KUNZMAN ASSOCIATES, INC.

COLTON'S HUB CITY CENTRE SPECIFIC PLAN

NOISE IMPACT ANALYSIS

March 20, 2014

Traffic Engineering | Transportation Planning | Parking | Noise/Vibration | Expert Witness
Air Quality | Global Climate Change | Health Risk Assessment

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I. Introduction and Setting

This report includes applicable data and information from the noise study prepared for a previously proposed project that included the current area of study (West Valley Specific Plan Noise Study 2008) prepared by Mestre Greve Associates. This noise impact analysis contains documentation of existing noise levels as well as analysis of the impacts that may be generated by proposed project. Each of these topics is contained in a separate section of the report. In this way, information on any particular aspect of the study can be easily located by the reader. Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with terms unique to acoustics, a definition of terms has been provided in Section II.

A. Purpose and Objectives

This study was performed to address the possibility of significant impacts due to noise associated with the implementation of the Colton Hub City Centre Specific Plan (CHCCSP). The objectives of the study include:

- documentation of the existing noise environment;
- discussion of noise modeling methodology and procedures;
- analysis of noise and vibration generated by the construction of the project;
- analysis of noise and vibration generated by the typical operation of the project;
- analysis of potential land use/noise incompatibilities due to noisy land uses and/or vehicle traffic;
- analysis of noise affecting nearby sensitive receptors due to increased traffic produced by the project;
- evaluation of the project's compliance with City of Colton standards; and
- recommendations for mitigation measures.

B. Project Location

The CHCCSP project area is located within the City of Colton in San Bernardino County, California. The project site is composed of approximately 373 gross acres and is bordered by San Bernardino Avenue to the north, the I-10 Freeway to the south, Hermosa Avenue to the east, and the City of Colton boundary with the City of Rialto on the west. A vicinity map showing the project location is provided on Figure 1.

The CHCCSP project area is bounded on the south by the I-10 Freeway and on the north by San Bernardino Avenue. There are a series of single-family residential neighborhoods to the north of San Bernardino Avenue and an apartment complex to the northwest. A retail center with a supermarket is located at the northeast corner of Pepper Avenue and San Bernardino Avenue with residential neighborhoods to the east.

The Arrowhead Regional Medical Center (ARMC) and the Hermosa Gardens Cemetery are within the West Valley Specific Plan project area, but are not a part of the CHCCSP project

area. A Union Pacific railroad right-of-way and the Kinder Morgan pipeline right-of-way traverse the eastern boundary of the site.

The western edge of the CHCCSP project area borders the City of Rialto's Gateway Specific Plan project area. Proposed land uses under the Gateway Specific Plan that border the CHCCSP project area consist of Office Park (OP), Industrial Park (IP) and Retail Commercial (R-C), and will border CHCC proposed land uses consisting of Business Park (BP), Residential Medium (RES-M), Residential Medium-1 (RES-M1) and Open Space Natural Habitat (OS/H).

C. Project Description

Under the West Valley Specific Plan amendment, the CHCCSP project area may be developed with a variety of land uses including retail, office, business-park, residential, and open space for recreation uses. Habitat conservation is also a component of the CHCCSP. The proposed land use map is shown on Figure 2. Proposed circulation roadways are shown on Figure 3.

1. Proposed Retail Land Uses (R)

In order to create a new shopping hub in the City of Colton, 79.2 acres has been designated for Commercial Retail (R) uses along the I-10 Freeway and Valley Boulevard corridors. These uses will be generally located near the intersection of Valley Boulevard and Pepper Avenue. The objective is to provide for development of a vibrant walkable Village Shopping Center/Hub that includes entertainment and hospitality components combined with department stores, large format national retail stores as well as small scale shops and services in a "Main Street" setting. Access is provided to this area from the I-10 Freeway via the Pepper Avenue interchange.

2. Proposed Office/Mixed Use (OMU)

The proposed Office Mixed Use designation (23.6 acres) will provide opportunities for corporate, executive, professional offices, banking, savings and loan institutions, medical facilities, laboratories, pharmacies, durable medical equipment sales and leasing. The three planning areas designated OMU are located at the intersections of Pepper Avenue/San Bernardino Avenue and Pepper Avenue/Valley Boulevard, both major arterial roadways north and south of the Arrowhead Regional Medical Center. The OMU designation provides for uses which are complementary to Arrowhead Regional Medical Center, e.g., opportunities for medical related offices, research and development, and services such as pharmacies, medical and equipment supplies. To promote other compatible uses, the land use designation includes flexibility to incorporate Business Park and Retail uses.

3. Proposed Business Park (BP)

Business Park (BP) uses totaling 51.7 acres will be located along the I-10 Freeway and Valley Boulevard corridors on the west side of the CHCCSP project area. With excellent freeway visibility, frontage and direct access along Valley Boulevard, this location is well suited to single and multi-tenant users, point of sale, flex space and incubator uses.

4. Proposed Retail/Mixed Use (RMU)

   Retail Mixed Use uses totaling 68.8 acres will be located along the I-10 Freeway and Valley Boulevard corridors. With its location and visibility along major transportation corridors, the area is conducive to a mix of retail, office and business uses. While retail is preferred as the primary land use, the RMU designation is intended to provide broad flexibility to respond to both the City's vision and market needs of the region.

5. Proposed Residential Medium and Residential M1 (RES-M & RES-M1)

   There are two residential land-use types, Residential Medium (RES-M) and Residential Medium M1 (RES-M1). The RES-M planning areas total 26.9 acres and are planned for approximately 108 single-family residential dwelling units on minimum 7,200 square feet lots. The intent is to meet the needs of those seeking high quality traditional residential dwelling units with pool sized yards that would not otherwise be available in the nearby area. Their location will complement the single-family character of the existing neighborhoods adjacent to San Bernardino Avenue to the north. In addition to providing housing opportunities for the general area and future commercial and business uses, the future residential dwelling units are also expected to appeal to doctors, nurses and others associated with the Arrowhead Regional Medical Center due to their close proximity to the campus.

   RES-M1 planning areas total 15.2 acres and provide for single-family and attached dwelling units. This land use provides opportunities for small lot single-family detached residential dwelling units, duplex/paired homes and attached townhomes. As is the case in the RES-M designation, the RES-M1 land use will also provide housing opportunities for the general area, future commercial and business uses and many professionals associated with the Arrowhead Regional Medical Center. Within Planning Areas 7 and 8, higher densities will be permitted for senior housing subject to a Conditional Use Permit.

6. Open Space/Parks (OS/P)

   A 4.5 acre neighborhood park is centrally located within walking distance of the residential uses in planning areas 12 and 14. A park master plan concept is included in the Specific Plan Community Design Guidelines and includes areas for free play, picnic stations, a basketball court, parking and a restroom.

7. Proposed Open Space/Habitat (OS/H)

   There are four planning areas (3, 6, 11, and 18) where habitat for Delhi Sand Fly (DSF) will be managed under an approved Habitat Conservation Plan (HCP) for DSF. These planning areas are located in the northerly portion of the project area and comprise 48.4 acres. The habitat areas will remain passive open space with no access.

8. Existing Land Uses

Vacant land uses are scattered throughout the project site. Other existing land uses within and in the immediate vicinity of the project site are listed below by proximity to acoustically significant road segments. Although not an acoustically significant road segment, land uses along Hermosa Avenue that may be affected by project construction noise are also included. Existing land uses east of Riverside Avenue are also included as they may also be affected by project construction noise.

I-10 Freeway

- Mixed use area including commercial, retail, hotel, and single-family residential (north of I-10 Freeway from project eastern boundary to vicinity of Acacia Avenue)
- Auto related retail and services (north of I-10 Freeway from Acacia Avenue to Pepper Avenue)
- Commercial (north of I-10 Freeway at Meridian Avenue)
- Commercial (north of I-10 Freeway west of Hermosa Avenue)

San Bernardino Avenue

- Rialto City Park (intersection of Sycamore and San Bernardino Avenues)
- Multiple family residential (north of San Bernardino Avenue and Wildrose Avenue)
- Single-family residential (north of San Bernardino Avenue from multiple family residential at Wildrose Avenue to Pepper Lane)
- West Valley Park (south of San Bernardino Avenue)
- Church (located at the southwest corner of the San Bernardino Avenue and Pepper Avenue intersection
- Single-family residential (in the vicinity of the northwest corner of the San Bernardino Avenue and Meridian Avenue intersection)

Valley Boulevard

- Vacant Commercial Building (north of Valley Boulevard at western project boundary)
- Mixed use area including commercial, retail, hotel, and single-family residential (south of Valley Boulevard from project eastern boundary to vicinity of Acacia Avenue)
- Colton Golf Club (north of Valley Boulevard)
- Retail (north of Valley Boulevard, east of Eucalyptus Avenue)
- Auto related retail and services (south of Valley Boulevard from Acacia Avenue to Pepper Avenue)
- Commercial (north of Valley Boulevard west of Meridian Avenue and west of Hermosa Avenue)

Riverside Avenue

- Mixed uses consisting of restaurant, retail, commercial, medical offices east of Riverside Avenue from Valley Boulevard to Cathedral of Praise Church)
- Cathedral of Praise Church (east of Riverside Avenue)
- Rialto Retirement Home, Vista Cove Care Center and related retail (east of Riverside Avenue and approximately 670 feet south of San Bernardino Avenue

Wildrose Avenue

- Commercial (EJK Center)
- San Bernardino Social Services Building
- Commercial (Telco)

Pepper Avenue

- Church (southwest corner of Pepper Avenue and San Bernardino Avenue)
- Arrowhead Regional Medical Center (east of Pepper Avenue from Olive Street to Valley Boulevard)
- Church Warehouse (west of Pepper Avenue and Arrowhead Regional Medical Center)
- McNeilus Trucking (west of Pepper Avenue and Arrowhead Regional Medical Center)

Meridian Street

- Arrowhead Regional Medical Center (west of Meridian Street from Olive Street to Valley Boulevard)
- Hermosa Gardens Cemetery (southeast corner of the intersection of Meridian Street and San Bernardino Avenue)

Hermosa Drive

- Commercial/Retail (at the northwest corner of Valley Boulevard and Hermosa Avenue)
- Slover Mountain High School (west of Hermosa Avenue)
- Hermosa Gardens Cemetery (southwest corner of the intersection of Hermosa Avenue and San Bernardino Avenue)
- Single-family residential (west of Hermosa Avenue from Olive Street to G Street)
- Single-family residential (at the southwest corner of Hermosa Avenue and "C Street"
- Budget Mini Storage (northeast of the intersection of Valley Boulevard and Hermosa Drive)

9. Proposed Circulation Plan

A major road network is already in place for the CHCCSP project area, providing north/south and east/west vehicular circulation routes. A full interchange also exists at Pepper Avenue and the I-10 Freeway. Road and bridge improvements at the interchange are scheduled to occur in 2014.

The Proposed Circulation Plan is shown on Figure 3. Development of the proposed specific plan is expected to generate approximately 67,424 daily vehicle trips, 3,949 of which will occur during the morning maximum hour and 6,832 of which will occur during the evening maximum hour. Existing and planned road segments are summarized below. Although roads designated as Local Roads are included below, it should be noted that impacts to land uses associated with the future build out of these roadways are not evaluated in this study as they would be minimal. If applicable, impacts to existing land uses associated with project generated traffic increases along Local Roads are, however, evaluated in this study.

Pepper Avenue
Pepper Avenue is designated as a Major Arterial. It is a major north/south 6-lane divided thoroughfare with a full interchange at the I-10 Freeway.

Valley Boulevard
Valley Boulevard is designated as a Major Arterial. It is currently a four lane road and will be increased to six lanes and include a raised median.

San Bernardino Avenue
San Bernardino Avenue is designated as a Major Arterial. It currently a four lane road with a small section with two lanes and will be increased to six lanes and include a raised median. The street width and right-of-way may be expanded approximately 10 feet on the south side of the road in the future to accommodate an Omnitrans Bus Rapid transit line, should that become a reality.

Meridian Avenue
Meridian Avenue is designated as a Collector. It is currently a 2-lane local road and will be improved to 4 lanes.

Hermosa Avenue
Hermosa Avenue is designated as a Local Road. It is currently an existing 2-lane road and will remain so. It will have a 36' curb to curb street section within a 60' right of way.

Wildrose Avenue (north of Street A)
Wildrose Avenue north of Street A is designated as a Local Road. It is currently an existing 2-lane road and will remain so. While Wildrose currently extends between Valley Boulevard and San Bernardino Avenue, it will be changed to a cul-de-sac on its north end to avoid through traffic in residential areas. Wildrose Avenue will have a 36' curb to curb street section within a 60' right of way.

Wildrose Avenue (south of Street A)
Wildrose Avenue south of Street A is designated as a Local Road and will remain as a 2-lane road. It will be improved to have a 40' curb to curb width within a 64' right of way.

Street A
Street A is a proposed Local Road. It will be improved to have two lanes and a 36' curb to curb street section within a 60' right of way.

C Street
C Street is an existing two-lane road designated as a Local Road. It will be improved to have two lanes and a 36' curb to curb street section within a 60' right of way.

Indigo Avenue
Indigo Avenue is an existing two-lane road designated as a Local Road. It will be improved to have two lanes and a 36' curb to curb street section within a 60' right of way.

Woodpine Avenue

Woodpine Avenue is an existing two-lane road designated as a Local Road. It will be improved to have two lanes and a 36’ curb to curb street section within a 60’ right of way.

Eucalyptus Avenue

Eucalyptus Avenue is a proposed road and an extension of Eucalyptus Avenue north of San Bernardino Avenue. It is planned as 2-lane road with a 40’ curb to curb width within a 64’ right of way.

Figure 1
Project Location Map

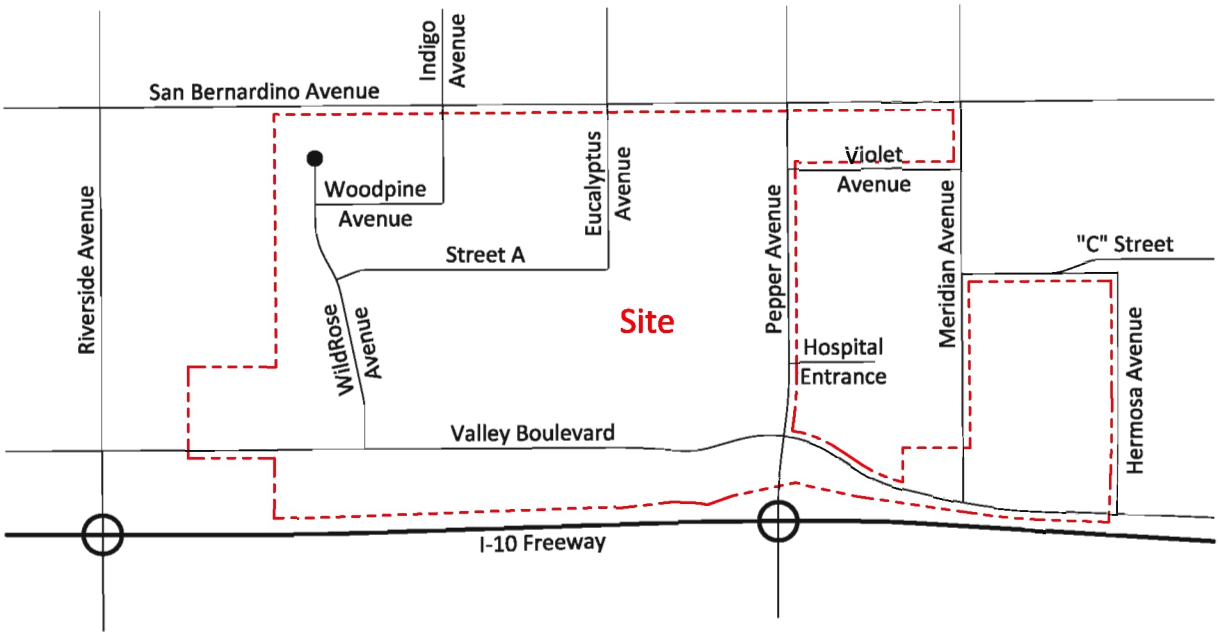

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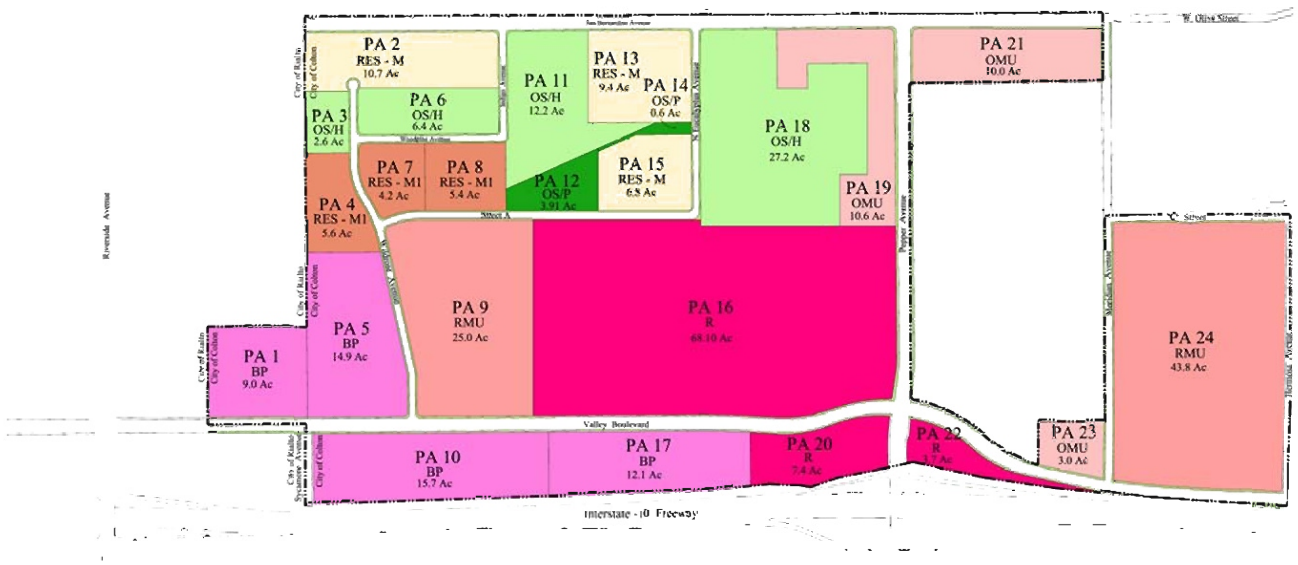
Figure 2
Proposed Specific Plan



Legend

RES-M	(Medium)	R	Retail	OS/P	Open Space / Park
RES-M1	(Medium - 1)	OMU	Office Mixed Use	OS/H	Natural Habitat
RMU	Retail Mixed Use	BP	Business Park		

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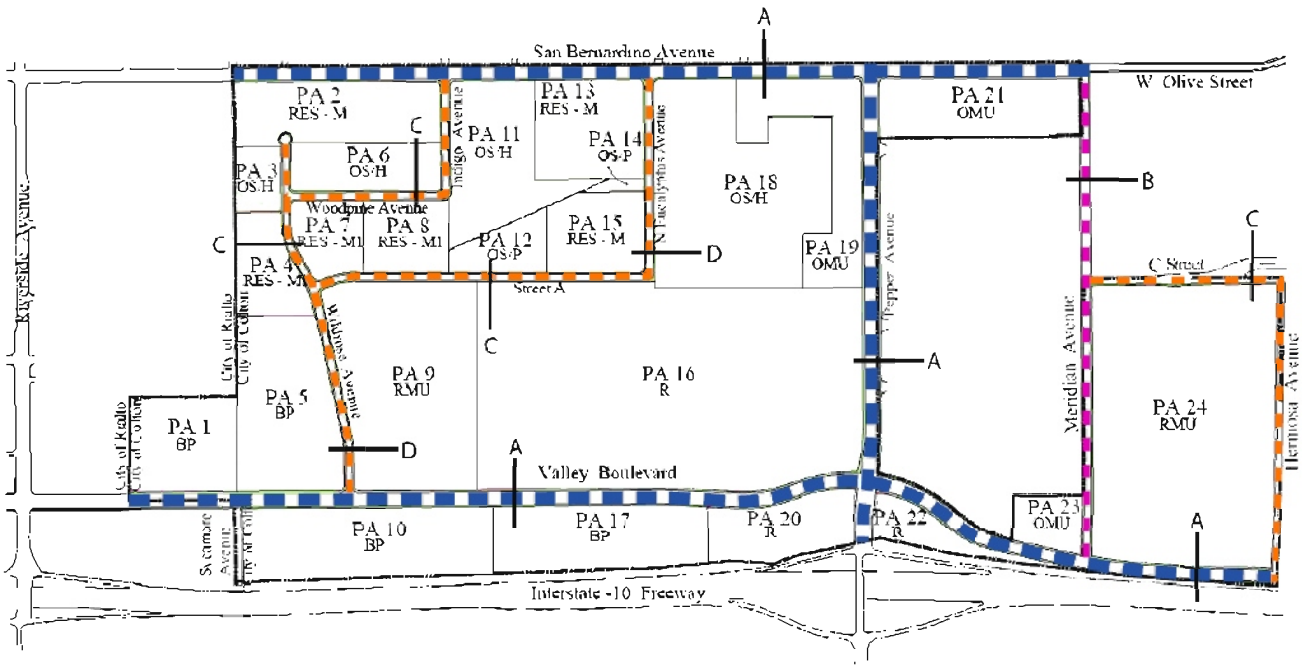
Figure 3
Proposed Circulation Plan



Legend

■ ■ ■	A	Major Artenial - 6 lanes divided
■ ■ ■ ■	B	Collector Road - 4 lanes
■ ■ ■	C	Local Road - 2 lanes

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II. Noise and Vibration Fundamentals and Definition of Terms

A. Noise

1. Noise Fundamentals

Sound is technically described in terms of the loudness (amplitude) of the sound and frequency (pitch) of the sound. The standard unit of measurement of the loudness of sound is the decibel (dB). Decibels are based on the logarithmic scale. The logarithmic scale compresses the wide range in sound pressure levels to a more usable range of numbers in a manner similar to the Richter scale used to measure earthquakes. In terms of human response to noise, a sound 10 dB higher than another is judged to be twice as loud; and 20 dB higher four times as loud; and so forth. Everyday sounds normally range from 30 dB (very quiet) to 100 dB (very loud).

Since the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale has been devised to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear. Community noise levels are measured in terms of the "A-weighted decibel," abbreviated dBA. Figure 4 provides examples of various noises and their typical A-weighted noise level.

Sound levels decrease as a function of distance from the source as a result of wave divergence, atmospheric absorption and ground attenuation. As the sound wave form travels away from the source, the sound energy is dispersed over a greater area, thereby dispersing the sound power of the wave. Atmospheric absorption also influences the levels that are received by the observer. The greater the distance traveled, the greater the influence and the resultant fluctuations. The degree of absorption is a function of the frequency of the sound as well as the humidity and temperature of the air. Turbulence and gradients of wind, temperature and humidity also play a significant role in determining the degree of attenuation. Intervening topography can also have a substantial effect on the effective perceived noise levels.

Noise has been defined as unwanted sound and it is known to have several adverse effects on people. From these known effects of noise, criteria have been established to help protect the public health and safety and prevent disruption of certain human activities. This criteria is based on such known impacts of noise on people as hearing loss, speech interference, sleep interference, physiological responses and annoyance. Each of these potential noise impacts on people are briefly discussed in the following narratives:

Hearing loss is not a concern in community noise situations of this type. The potential for noise induced hearing loss is more commonly associated with occupational noise exposures in heavy industry or very noisy work environments. Noise levels in

neighborhoods, even in very noisy airport environs, are not sufficiently loud to cause hearing loss.

Speech interference is one of the primary concerns in environmental noise problems. Normal conversational speech is in the range of 60 to 65 dBA and any noise in this range or louder may interfere with speech.

Sleep disturbance is a major noise concern for traffic noise. Sleep disturbance studies have identified interior noise levels that have the potential to cause sleep disturbance. Note that sleep disturbance does not necessarily mean awakening from sleep, but can refer to altering the pattern and stages of sleep.

Physiological responses are those measurable effects of noise on people that are realized as changes in pulse rate, blood pressure, etc. While such effects can be induced and observed, the extent is not known to which these physiological responses cause harm or are sign of harm.

Annoyance is the most difficult of all noise responses to describe. Annoyance is a very individual characteristic and can vary widely from person to person. What one person considers tolerable can be quite unbearable to another of equal hearing capability.

2. Noise Assessment Metrics

The definitions of commonly used acoustical terms are presented in Table 1. The description, analysis and reporting of community noise levels around communities is made difficult by the complexity of human response to noise and the myriad of noise metrics that have been developed for describing noise impacts. Each of these metrics attempts to quantify noise levels with respect to community response. Most of the metrics use the A-Weighted noise level to quantify noise impacts on humans. A-Weighting is a frequency weighting that accounts for human sensitivity to different frequencies.

Noise metrics can be divided into two categories: single event and cumulative. Single-event metrics describe the noise levels from an individual event such as an aircraft fly over or perhaps a heavy equipment pass-by. Cumulative metrics average the total noise over a specific time period, which is typically 1 or 24-hours for community noise problems. For this type of analysis, cumulative noise metrics will be used.

Several rating scales have been developed for measurement of community noise. These account for: (1) the parameters of noise that have been shown to contribute to the effects of noise on man, (2) the variety of noises found in the environment, (3) the variations in noise levels that occur as a person moves through the environment, and (4) the variations associated with the time of day. They are designed to account for the known health effects of noise on people described previously. Based on these effects, the observation has been made that the potential for a noise to impact people is dependent on the total acoustical energy content of the noise. A number of noise scales have been developed to account for this observation. Two of the predominate

noise scales are the: Equivalent Noise Level (LEQ) and the Community Noise Equivalent Level (CNEL). These scales are described in the following paragraphs.

B. Vibration

1. Vibration Fundamentals

Groundborne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of groundborne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although groundborne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Groundborne noise is an effect of groundborne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Several different methods are used to quantify vibration amplitude such as the maximum instantaneous peak in the vibrations velocity, which is known as the peak particle velocity (PPV) or the root mean square (RMS) amplitude of the vibration velocity. Because of the typically small amplitudes of vibrations, vibration velocity is often expressed in decibels and is denoted as L_V and is based on the RMS velocity amplitude. A commonly used abbreviation is VdB, which in this text, is when the particle velocity level (L_V) or sound velocity level (SVL) is based on the reference quantity of 1 microinch per second. The L_V should not be confused with the speed of sound.

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Off-site sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible groundborne noise or vibration.

The propagation of groundborne vibration is not as simple to model as airborne noise. This is because noise in the air travels through a relatively uniform median, while groundborne vibrations travel through the earth, which may contain significant geological differences. There are three main types of vibration propagation: surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse, or side-to-side and perpendicular to the direction of propagation.

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests. Table 2 shows the peak particle velocities of some common construction equipment.

Table 1

Definitions of Acoustical Terms[1]

Term	Definition
Decibel, dB	A logarithmic unit of noise level measurement that relates the energy of a noise source to that of a constant reference level; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
Frequency, Hertz	In a function periodic in time, the number of times that the quantity repeats itself in one second (i.e., the number of cycles per second).
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear.
Root Mean Square (RMS)	A measure of the magnitude of a varying noise source quantity. The name derives from the calculation of the square root of the mean of the squares of the values. It can be calculated from either a series of lone values or a continuous varying function.
Fast/Slow Meter Response	The fast and slow meter responses are different settings on a sound level meter. The fast response setting takes a measurement every 100 milliseconds, while a slow setting takes one every second.
L_{02}, L_{08}, L_{50}, L_{90}	The A-weighted noise levels that are equaled or exceeded by a fluctuating sound level, 2 percent, 8 percent, 50 percent, and 90 percent of a stated time period, respectively.
Equivalent Continuous Noise Level, L_{eq}	A level of steady state sound that in a stated time period, and a stated location, has the same A-weighted sound energy as the time-varying sound.
L_{max}, L_{min}	L_{max} is the RMS (root mean squared) maximum level of a noise source or environment measured on a sound level meter, during a designated time interval, using fast meter response. L_{min} is the minimum level.
Ambient Noise Level	The all-encompassing noise environment associated with a given environment, at a specified time, usually a composite of sound from many sources, at many directions, near and far, in which usually no particular sound is dominant.
Offensive/ Offending/ Intrusive Noise	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of sound depends on its amplitude, duration, frequency, and time of occurrence, and tonal information content as well as the prevailing ambient noise level.

[1] Adapted from: Cyril M. Harris; Handbook of Acoustical Measurement and Noise Control, 1991.

Table 2

Vibration Source Levels for Construction Equipment[1]

Equipment	Peak Particle Velocity (inches/second) at 25 feet	Approximate Vibration Level LV (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill	0.008 in soil	66
(slurry wall)	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

[1] Source: Transit Noise and Vibration Impact Assessment, Federal Transit Administration, May 2006.

Figure 4
Typical A-Weighted Noise Levels

SOUND LEVELS AND LOUDNESS OF ILLUSTRATIVE NOISES IN INDOOR AND OUTDOOR ENVIRONMENTS

Numbers in Parentheses are the A-Scale Weighted Sound Levels† for that Noise Event

dB(A) †	OVER-ALL LEVEL CHARACTERIZATION	COMMUNITY (Outdoor)	HOME OR INDUSTRY	LOUDNESS Human Judgement of Different Sound Levels
130		Military Jet Aircraft Take-Off With After-Burner From Aircraft Carrier @ 50 Ft. (130)	Oxygen Torch (121)	120 dB(A) 32 Times as Loud
120 110	UNCOMFORTABLY LOUD	Ambulance Siren (120) Concord Takeoff (113)* Leaf Blower (110)	Riveting Machine (110) Baby Crying on Shoulder (110) Rock-N-Roll Band (108-114)	110 dB(A) 16 Times as Loud
100		Boeing 747-200 Takeoff (101)*		100 dB(A) 8 Times as Loud
90	VERY LOUD	Power Mower (96) DC-10-30 Takeoff (96)* Motorcycle @25 Ft. (90)	Newspaper Press (97) Shouted Conversation (90)	90 dB(A) 4 Times as Loud
80		Car Wash @ 20 Ft. (89) Boeing 727 w/ Hushkit Takeoff (96)* Diesel Truck, 40 MPH @ 50 Ft. (84) Diesel Train, 45 MPH @ 100 Ft. (83)	Food Blender (88) Milling Machine (85) Garbage Disposal (80)	80 dB(A) 2 Times as Loud
70	MODERATELY LOUD	Passenger Car, 65 MPH @ 25 Ft. (77) Freeway @ 50 Ft. From Edge (70-82) Boeing 757 Takeoff (76)*	Living Room Music or TV (70-75) Vacuum Cleaner (65-85)	70 dB(A)
60		Propeller Airplane Takeoff (67)* Air Conditioning Unit @ 100 Ft. (60)	Sewing Machine (60) Dishwasher (55-70) Normal Conversation (60-65)	60 dB(A) 1/2 as Loud
50	QUIET	Large Transformers @ 100 Ft. (50)	Refridgerator (50)	50 dB(A) 1/4 as Loud
40		Bird Calls (44) Quiet Residential Area (40)		40 dB(A) 1/8 as Loud
30				
20	JUST AUDIBLE	Desert at Night Rustling of Leaves (20)	Whispering at 5 feet (20)	
10	THRESHOLD OF HEARING			

† Sound Pressure Level Reference: 0.0002 Microbars

*Aircraft takeoff noise measured 6,500 meters from beginning of takeoff roll

SOURCES: League for the Hard of Hearing, www. lhh.org
Handbook of Noise Control, Edited by Cyril Harris, 1979
Noise And Vibration Control, Leo L. Beranek, 1971
Aircraft Levels From FAA Advisory Circular AC-36-3G
Measurements by Mestre Greve Associates

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III. Existing Noise Environment

A. Sensitive Noise Receptors

The State of California defines sensitive receptors as those land uses that require serenity or are otherwise adversely affected by noise events or conditions. Schools, libraries, churches, hospitals, and residential uses make up the majority of these areas. The State of California has also established land use compatibility guidelines that set forth recommended noise levels for land uses that are typically not considered to be "sensitive" e.g. office, retail, commercial and recreational uses. Habitat for sensitive species located in Planning Area 3, 6, 11, and 18, as well as existing conservation sites (Hospital Site – 6.8 acres, and Pepper/Valley Conservation Site (2 acres) adjacent to Planning Area 23 are also considered to be a noise sensitive land use. Finally, the HCP includes the proposed Cemetery Conservation Site (6.5 acres) located adjacent to Planning Area 24.

The following land uses located either within the CHCCSP or in the immediate vicinity of the CHCCSP are most likely to be affected by construction and/or CHCCSP operational noise.

- Hotel, and single-family residential land uses located north of I-10 Freeway from project eastern boundary to vicinity of Acacia Avenue;
- Multiple family residential located north of San Bernardino Avenue and Wildrose Avenue;
- Church located at the southwest corner of intersection of San Bernardino Avenue and Pepper Avenue;
- Single-family residential located in the vicinity of northwest corner of the intersection of San Bernardino Avenue and Meridian Avenue;
- Cathedral of Praise Church located east of Riverside Avenue;
- Rialto Retirement Home, Vista Cove Care Center and related retail, all located east of Riverside Avenue approximately 670 feet south of San Bernardino Avenue;
- Medical offices east of Riverside Avenue;
- Arrowhead Regional Medical Center located east of Pepper Avenue from Olive Street to Valley Boulevard;
- Hermosa Gardens Cemetery located southeast corner of the intersection of Meridian Street and San Bernardino Avenue; and
- Slover Mountain High School located west of Hermosa Avenue.

C. Existing Ambient Noise Levels

Fifteen short-term noise measurements were taken on and within the vicinity of the project site (Mestre Greve 2008). Noise measurement locations are shown on Figure 5 and measured noise levels are presented in Table 3. Nine of the measurement sites were on or adjacent to the project site. The remaining six measurement sites were conducted in residential areas to the east, north and west of the project site. The first twelve of the short-term measurements were taken on August 7, 2008 between the hours of 9:44 AM and 3:41 PM. The remaining three measurements were taken on August 11, 2008 between the hours of 10:30 AM and 12:13 PM. The site locations are as follows: corner of Hermosa

Avenue and Valley Boulevard, Meridian Avenue, Hermosa Avenue, San Bernardino Avenue, corner of Olive Street and Lydon Drive, corner of Pepper Avenue and Randall Avenue, Pepper Avenue, George E. Brown Jr. Park, corner of Indigo Avenue and San Bernardino Avenue, Eucalyptus Avenue, Sycamore Avenue, corner of San Bernardino Avenue and Idyllwild Avenue, Caesar Chavez Park, corner of Wildrose Avenue and Woodpine Avenue, and Rialto City Park. Ambient noise levels in the project area range from 48.8 to 73.9 dB L_{eq}. Field observations during each measurement are included as Appendix A in this report.

Measurements at all sites were performed using a Brüel & Kjær Model 2236 automated digital noise data acquisition system and sound meter mounted on a tripod. During measurements, a large windscreen covered the sound meter's microphone to dampen-out the effect of unwanted wind-generated noise. For each measurement site, at least 15 minutes of data were collected and stored internally within the sound meter for subsequent downloading and post-processing on a computer. Both before and after each set of measurements were taken, a Brüel & Kjær calibrator with calibrations traceable to the National Institute of Standards and Technology was used to calibrate the sound meter to ensure that the measured sound levels readings were accurate. Sound level data samples were recorded at 1-second intervals. At the conclusion of each set of measurements, the Leq, Lmin, Lmax, L25, L50 and L90 values for the full time period were written down on a data sheet and then the buffer on the sound meter was reset to prepare it for the set of measurements at the next site. Prevailing weather conditions were noted along with any other factors that might adversely affect the noise measurements.

D. Existing Road Segment Noise Levels

Existing traffic noise levels associated with existing and proposed road segments were modeled utilizing the Highway Noise Model published by the Federal Highway Administration ("FHWA Highway Traffic Noise Prediction Model," FHWA-RD-77-108, December, 1978). The FHWA Model uses traffic volume, vehicle mix, vehicle speed, and roadway geometry to compute the "equivalent noise level." A computer code has been written which computes equivalent noise levels for each of the time periods used in the calculation of CNEL. Weighting these noise levels and summing them results in the CNEL for the traffic projections used. CNEL contours are found by iterating over many distances until the distances to the 60, 65, 70, and 75 CNEL contours are found.

Existing traffic volumes were obtained from the traffic study prepared by Kunzman Associates, Inc. (2014). The volumes, along with speeds and traffic mixes that were used to calculate the noise levels associated with vehicle traffic are presented in Appendix B. FHWA output is presented in Appendix C.

Worst-case assumptions about future motor vehicle traffic and noise levels were made and incorporated in the modeling effort. Specifically, no reductions in motor vehicle noise have been assumed in spite of legislation requiring quieter vehicles at the time of manufacture.

Existing CNEL noise contours for the roadways in the vicinity of the project site are shown on Figure 6. Note that the noise contours do not take into account the effect of any noise barriers or topography that may affect ambient noise levels.

E. Existing Aircraft Noise Levels

The closest major airport to the project site is Ontario Airport. Ontario Airport is 13 miles from the project site. The 60 CNEL noise contour of Ontario Airport is over 8 miles from the project site, so the CNEL noise levels at the project site due to Ontario Airport will be much less than 60 CNEL, and there will be no noise impact. The remaining nearby airports are only small municipal airports that typical support only small, quieter, non-jet aircraft. The closest small airport is the Rialto Municipal Airport, which is 4 miles from the project site. Aircraft do fly over the project site as was confirmed during noise measurements, however, because of the combination of the relatively low frequency of occurrence of these flyovers, the short time duration of the flyovers, the large distance of the flying aircraft to the project site (e.g. the altitude of flying aircraft), and the low intensity of the noise energy emitted by these aircraft results in noise impacts at the project site that are only sufficient to make minor alterations to the average ambient noise level. Aircraft noise does not significantly impact the project site.

F. Existing Train Noise Levels

Colton has an extensive railroad network and is the home of the Colton Crossing, which is the main thoroughfare for most trains entering or exiting California at-grade. The railroad line that travels east/west is adjacent to and south of the I-10 Freeway, which itself is south of, and adjacent to the project site. There is also a minor railroad track that is east of, and adjacent to the project site.

To determine the existing train noise levels, the Wyle Noise Model was used ("Assessment of Noise Environments Around Railroad Operations," Wyle Laboratories Report WCR-73-5, July, 1973). The noise generated by train operations can be divided into two components; noise generated by the engine or locomotive, and noise generated the railroad cars. The characteristic frequency of the engine is different than the characteristic frequency of the cars. The noise generated by the engine is the result of the mechanical movements of the engine parts, and to a lesser extent, the exhaust system. The noise generated by the cars is a result of the interaction between the wheels and the railroad track. A zero source height is used for the car noise, and a source height of 10 feet is utilized for the locomotive.

The existing operational data presented in Table 4 was utilized in conjunction with the Wyle Noise Model to estimate train noise levels on the project site. The results of the existing train noise projections are displayed in Table 4 in terms of the distances to the 60, 65, and 70 CNEL noise contours. These numbers represent the distances from the center of the railroad line to the noise contour value shown. These projections do not include topography or barriers that may reduce the noise levels.

The closest distance from any portion of the project site to the center of the railroad track line south of the I-10 Freeway is about 370 feet. At this distance, the highest existing CNEL noise level at the project site due to the railroad operations is 70.2 dBA.

Table 3

Ambient Noise Levels[1]

No.	Time	Ambient Noise Levels					
		L_{eq}	L_{max}	L_{min}	L_{25}	L_{50}	L_{90}
1	9:44	73.9	77.8	69.2	74.5	73.5	71.5
2	10:24	61.3	74.8	53.6	61	59	56.5
3	10:55	51.1	69.1	46.3	50.5	50	48
4	11:23	64.8	81.5	45.1	58.5	58.5	47.5
5	11:54	60.4	79.1	43.9	59	53.5	46.5
6	12:26	72.7	86.7	45.5	72.5	67.5	56
7	12:58	70.4	85.6	50.2	70.5	65.5	54.5
8	13:31	48.8	62.6	44.1	48	47	45.5
9	14:01	63.2	80.2	49.1	62.5	60	53.5
10	14:27	55.4	69.8	51.4	55.5	54.5	53
11	14:52	80.2	87	72.4	81	79.5	76.5
12	15:25	64	82.2	47.1	62.5	57	50.5
13	10:33	58.5	77.3	48.2	57.5	55.5	51.5
14	11:19	57.9	71.5	45.8	57.5	53	47.5
15	11:53	50.8	65.4	44.4	51	49.5	46.5

[1] Source: Mestre Greve Noise Assessment for West Valley Specific Plan, 2008.

Table 4

Existing Railroad Operations Modeled

Train	Number of Cars	Speed (MPH)	Number of Operations		
			Daytime (7:00 AM to 7:00 PM)	Evening (7:00 PM to 10:00 PM)	Nighttime (10:00 PM to 7:00 AM)
Freight	66	23	28	6	26

[1] Mestre Greve Associates, 2008

Figure 5
Noise Measurement Sites

Source: Mestre Greve 2008

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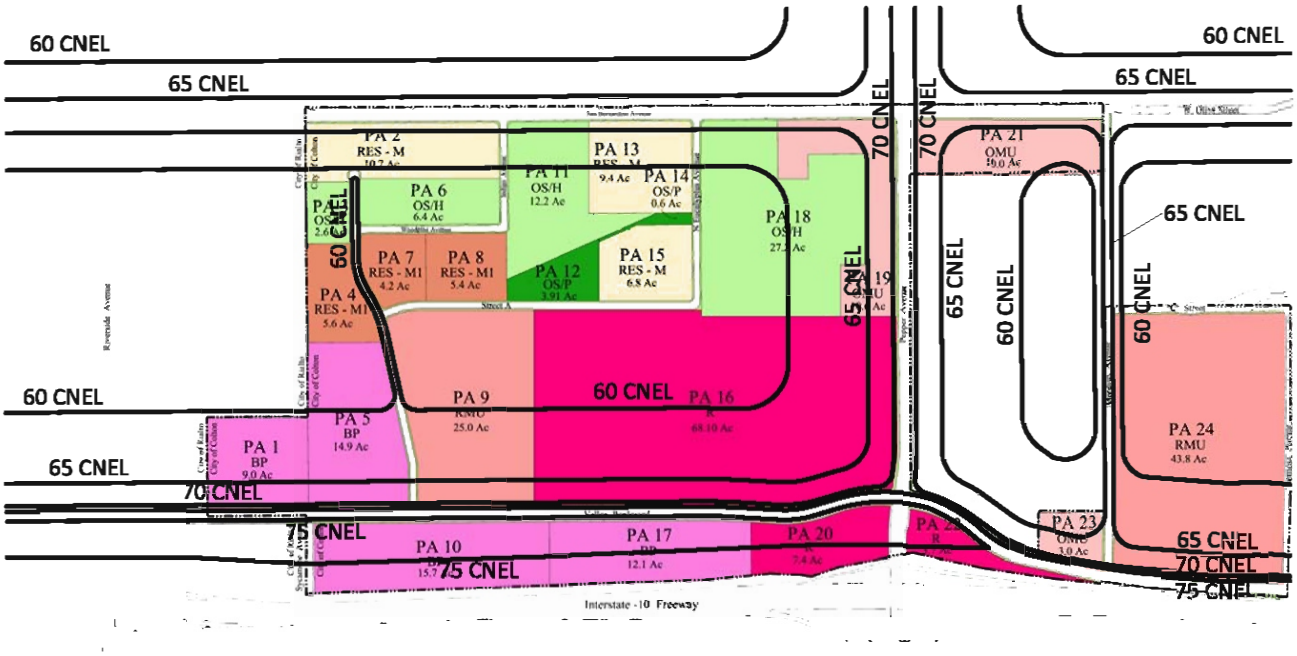
Figure 6
Existing On-Site Traffic Noise Contours (CNEL)



Legend

RES-M	(Medium)	R	Retail	OS/P	Open Space / Park
RES-M1	(Medium - 1)	OMU	Office Mixed Use	OS/H	Natural Habitat
RMU	Retail Mixed Use	BP	Business Park		

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IV. Applicable Standards

A. Federal Regulations

1. Federal Noise Control Act of 1972

The U.S. Environmental Protection Agency (EPA) Office of Noise Abatement and Control was originally established to coordinate federal noise control activities. After its inception, EPA's Office of Noise Abatement and Control issued the Federal Noise Control Act of 1972, establishing programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In response, the EPA published Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (Levels of Environmental Noise). The Levels of Environmental Noise recommended that the Ldn should not exceed 55 dBA outdoors or 45 dBA indoors to prevent significant activity interference and annoyance in noise-sensitive areas.

In addition, the Levels of Environmental Noise identified five dBA as an "adequate margin of safety" for a noise level increase relative to a baseline noise exposure level of 55 dBA Ldn (i.e., there would not be a noticeable increase in adverse community reaction with an increase of five dBA or less from this baseline level). The EPA did not promote these findings as universal standards or regulatory goals with mandatory applicability to all communities, but rather as advisory exposure levels below which there would be no risk to a community from any health or welfare effect of noise.

In 1981, EPA administrators determined that subjective issues such as noise would be better addressed at lower levels of government. Consequently, in 1982 responsibilities for regulating noise control policies were transferred to State and local governments. However, noise control guidelines and regulations contained in EPA rulings in prior years remain in place by designated Federal agencies, allowing more individualized control for specific issues by designated Federal, State, and local government agencies.

2. Federal Transit Administration

The Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual (2006) provides guidance for the analysis of noise and vibration associated with federally-funded transit projects. Section 7 of the manual discusses basic ground-borne vibration concepts including terminology, applicable descriptors, analysis procedures, thresholds and recommended mitigation for groundborne noise and vibration. Groundborne vibration thresholds included in this manual are frequently utilized for state and local projects where local thresholds for the analysis of groundborne noise and vibration have not been adopted. As shown Table 5, the FTA's maximum acceptable vibration standard for human annoyance in residences where people normally sleep is 80 VdB (less than 70 vibration events per day).

B. State Regulations

1. State of California Building Standards Code

The State of California has adopted noise standards in areas of regulation not preempted by the Federal government. State standards regulate noise levels of motor vehicles, sound transmission through buildings, occupational noise control, and noise insulation. Title 24 of the California Code of Regulations, also known as the California Building Code, establishes building standards applicable to all occupancies throughout the state. The code provides acoustical regulations for both exterior-to-interior sound insulation, as well as sound and impact isolation between adjacent spaces of various occupied units. Title 24 regulations state that interior noise levels generated by exterior noise sources shall not exceed 45 dBA Ldn/CNEL, with windows closed, in any habitable room for multi-family residential uses.

California Building Code. Section 1208A, Sound Transmission, of the Building Code requires acoustical evaluation and insulated building design and construction when exterior noise levels exceed 60 Ldn/CNEL. New residential construction must be acoustically designed and constructed to reduce the intrusion of transportation noise and local fixed noise sources. The California Building Code requires a minimum Sound Transmission Class of 50 (STC50) and Impact Isolation Class 50 (IIC50) for multiple family residential units located where exterior noise levels exceed 60 Ldn/CNEL.

The non-residential mandatory measures found in Title 24, Part 11, Section 5.507.4.1 of the California Code of Regulations requires the use of wall and roof-ceiling assemblies that make up the building envelope to have an STC of at least 50 and exterior windows must have minimum STC of 30 for any of the following building locations:

1. Within 1,000 ft (300 m) of right of ways of freeways.
2. Within 5 mi. (8 km) of airports serving more than 10,000 commercial jets per year.
3. Where sound levels at the property line regularly exceed 65 decibels, other than occasional sound due to church bells, train horns, emergency vehicles and public warning systems.

Buildings with few or no occupants and where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings are exempt from this section of code.

2. State of California General Plan Guidelines 2003

Though not adopted by law, the State of California General Plan Guidelines 2003, published by the California Governor's Office of Planning and Research (OPR) (OPR Guidelines), provide guidance for the compatibility of projects within areas of specific noise exposure. The OPR Guidelines identify the suitability of various types of construction relative to a range of outdoor noise levels and provide each local community some flexibility in setting local noise standards that allow for the variability in community preferences. Findings presented in the Levels of Environmental Noise

Document (EPA 1974) influenced the recommendations of the OPR Guidelines, most importantly in the choice of noise exposure metrics (i.e., Ldn or CNEL) and in the upper limits for the Normally Acceptable outdoor exposure of noise-sensitive uses. The OPR Guidelines include a Noise and Land Use Compatibility Matrix which identifies acceptable and unacceptable community noise exposure limits for various land use categories. As discussed below, the City of Colton has included this table in the Noise Element of their General Plan.

3. California Environmental Quality Act

The California Environmental Quality Act Guidelines (Appendix G) establishes thresholds for noise impact analysis. Two of these standards apply to what is referred to as a "substantial increase" in ambient noise levels. The City of Colton does not have a definition of a substantial increase, nor does CEQA establish a numerical value for this threshold. Noise generated by transportation sources propagates differently than noise generated by point sources. Therefore, for purposes of this analysis, the following two thresholds were utilized to evaluate the project's potential to result in substantial increases in ambient noise levels.

Traffic Noise

Roadway noise impacts would be considered significant if the project increases noise levels at a noise sensitive land use by 3 dBA CNEL and if: (1) the existing noise levels already exceed the residential land use compatibility standard for "normally acceptable" (65 dBA CNEL), or (2) the project increases noise levels from below the 65 dBA CNEL standard to above 65 dBA CNEL.

Stationary Noise

Project operations, including noise from car wash equipment and trucks, may produce an increase noise levels which disturbs the peace and quiet of adjacent residential areas or cause discomfort/annoyance to area residents. Caltrans considers a 5 dBA increase to be "readily audible", which seems to correlate most closely to "substantial increase." For the purposes of this report, a substantial permanent increase in ambient noise levels due to stationary noise sources shall be considered 5 dBA L_{eq}.

4. California Department of Transportation (Caltrans)

The Caltrans Transportation and Vibration Guidance Manual recommends a maximum vibration level standard of 0.2 in/sec PPV for the prevention of structural damage to typical residential buildings.

C. City of Colton

1. General Plan Noise Element

The City of Colton General Plan Noise Element specifies outdoor and indoor noise standards for various land uses impacted by transportation noise sources. The City's noise standards, shown in Table 6 are consistent with the State of California's noise standards. The interior and exterior noise standards are in terms of the Community

Noise Equivalent Level (CNEL). The standards state that for residential land use, the exterior noise exposure level shall not exceed 65 CNEL and the interior noise exposure level shall not exceed 45 CNEL. The City has not adopted noise standards for commercial uses. The County of San Bernardino Noise Element specifies an interior noise standard of 45 CNEL for office uses and will be used to evaluate impacts on these uses.

2. Municipal Ordinance

18.42.050 – Vibration. The City prohibits all activities from that generate ground vibration by equipment other than motor vehicles, trains or by temporary construction or demolition, which is perceptible without instruments by the average person at or beyond any lot line of the lot containing the activities.

D. County of San Bernardino

1. Noise Ordinance

A noise ordinance is designed to control unnecessary, excessive and annoying sounds from stationary (non-transportation) noise sources. Noise ordinance requirements cannot be applied to mobile noise sources such as heavy trucks when traveling on public roadways. Federal and state laws preempt control of mobile noise sources on public roads. Noise ordinance standards typically apply to industrial and commercial noise sources impacting residential areas. They are also applicable to noise generated at parks and schools impacting residential areas.

The City of Colton's municipal code prohibits the production of excessive noise, but the wording of the code describing noise violations is qualitative and nonspecific in regards to the level of noise that would constitute a violation. Since the City of Colton is under the jurisdiction of the County of San Bernardino, and the City of Colton does have a noise ordinance that provides maximum permissible noise levels that are quantifiable, the County of San Bernardino noise ordinance will be applied to this project to determine potential noise impacts.

Section 83.01.080 of the County of San Bernardino Development Code establishes standards concerning acceptable noise levels for both noise-sensitive land uses and for noise-generating land uses. Sections of the code applicable to the proposed project are presented below.

Noise level limits for Stationary Sources, as they affect adjacent properties (Section 83.01.080(c)(1) of County Development Code) are presented in Table 7. They specify a base limit of 55 dBA L_{eq} during the day (7:00 AM to 10:00 PM) and 45 dBA L_{eq} at night (10:00 PM to 7:00 AM). However, if the measured ambient level exceeds any of the first four noise limit categories, the allowable noise exposure standard shall be increased to reflect the ambient noise level; and if the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under this category shall be increased to reflect the maximum ambient noise level.

Temporary construction, maintenance, repair, or demolitions activities between 7:00 AM and 7:00 PM, except Sundays and Federal holidays are exempt from Section 83.01.080 the San Bernardino Development Code.

The County of San Bernardino Development Code also sets forth standards for noise generated by mobile sources on adjacent properties. Mobile noise sources on adjacent properties are not to exceed the standards described in Table 8.

E. West Valley Habitat Conservation Plan

The West Valley Habitat Conservation Plan (HCP) includes a long term commitment to maintaining high quality habitat for the DSF, and by extension, other sensitive species that may inhabit these planning areas. No specific measures to reduce noise levels are called out in the HCP, however, it is the City's intent to site more compatible land uses in proximity to the conservation areas. Habitat for sensitive species will be set aside in Planning Area 3, 6, 11, and 18, as well as the proposed Cemetery Conservation Site (6.5 acres) located adjacent to Planning Area 24 in the Hermosa Gardens Cemetery site. In addition there are two existing conservation sites, the Hospital Conservation Site (6.8 acres), and Pepper/Valley Conservation Site (2 acres) adjacent to Planning Area 23.

Table 5

Groundborne Vibration (GBV) and Groundborne Noise (GBN) Impact Criteria for General Assessment[1]

Land Use Category	GBV Impact Levels (VdB re 1 micro-inch /sec)			GBN Impact Levels (dB re 20 micro Pasacals)		
	Frequent Events[2]	Occasional Events[3]	Infrequent Events[4]	Frequent Events[2]	Occasional Events[3]	Infrequent Events[4]
Category 1: Buildings where vibration would interfere with interior operations.	65 VdB[5]	65 VdB[5]	65 VdB[5]	N/A[5]	N/A[5]	N/A[5]
Category 2: Residences and buildings where people normally sleep.	72VdB	75 VdB	80 VdB	35 dBA	38 dBA	43 dBA
Category 3: Institutional land uses with primarily daytime uses.	75VdB	78 VdB	83 VdB	40 dBA	43 dBA	48 dBA

[1] FTA Noise and Vibration Manual

[2.] "Frequent Events" is defined as more than 70 vibration event of the same source per day. Most rapid transit projects fall into this category.

[3.] "Occasional Events" is defined between 30 and 70 vibration events of the same source per day. Most commuter trunk lines have this many operations.

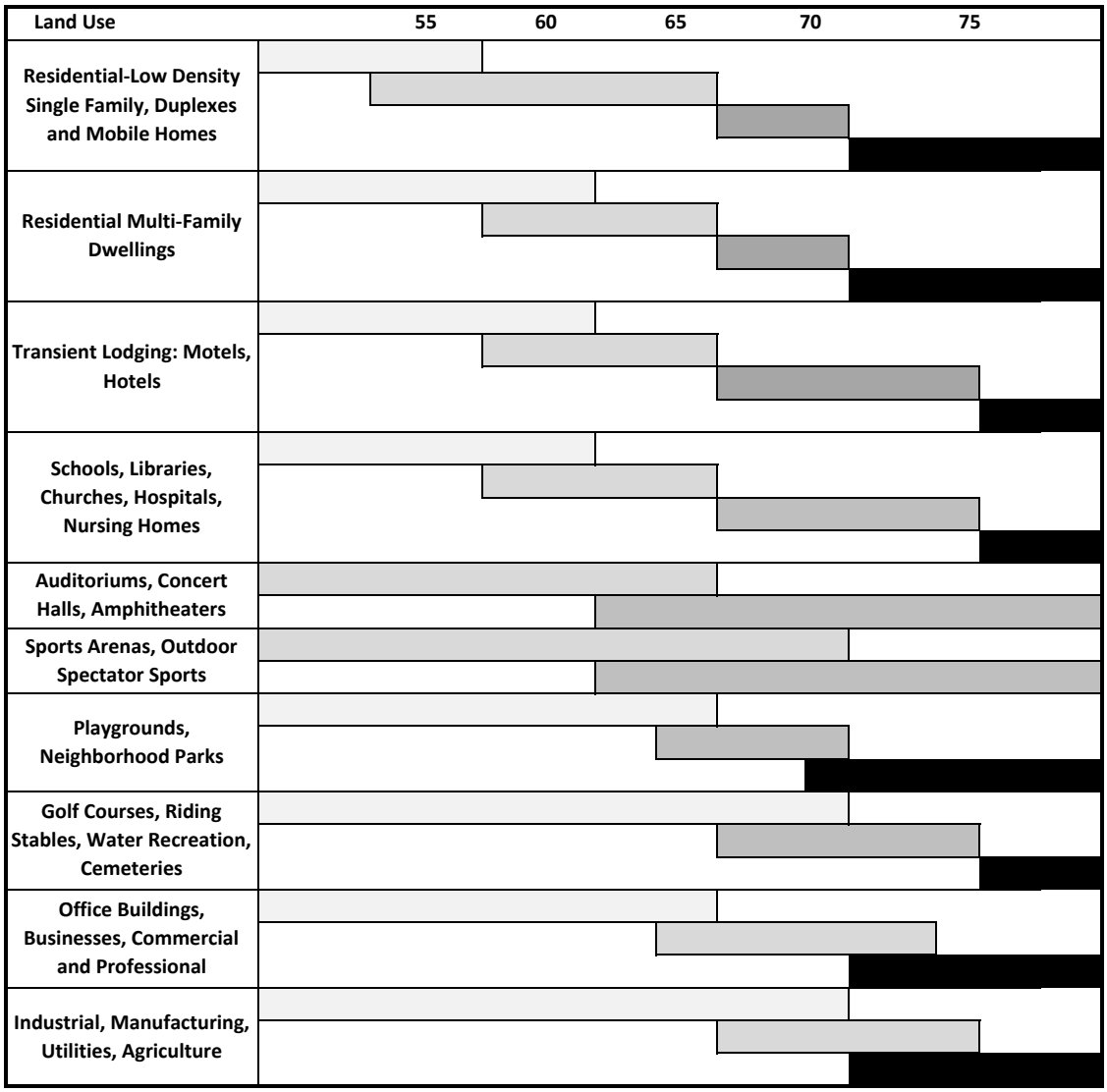
[4.] "Infrequent Events" is defined as fewer than 30 vibration events of the same kind per day. This category includes most commuter rail branch lines.

[5.] This criterion limit is based on levels that are acceptable for most moderately sensitive equipment such as optical microscopes. Vibration-sensitive manufacturing or research will require detailed evaluation to define the acceptable vibration levels. Ensuring lower vibration levels in a building often requires special design of the HVAC systems and stiffened floors.

[6.] Vibration-sensitive equipment is generally not sensitive to ground-borne noise.

Table 6

Land Use Compatibility for Community Noise Environments
(dBA CNEL or L_{dn})



Normally Acceptable:	**Conditionally Acceptable:**	**Normally Unacceptable:**	**Clearly Unacceptable:**
Specified land uses is satisfactory based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation or requirements.	New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice. Outdoor environment will seem noisy.	New construction and development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made with needed noise insulation features included in the design. Outdoor areas must be	New construction or development should generally not be undertaken. Construction costs to make the indoor environment acceptable would be prohibitive and the outdoor environment would not be usable.

Source: City of Colton General Plan Noise Element Table 5-1, 1987

Table 7

Noise Standards for Stationary Noise Sources (Development Code Table 83-2)[1]

Affected Land Uses (Receiving Noise)	7:00 AM to 10:00 PM dBA L_{eq}	10:00 PM to 7:00 AM dBA L_{eq}
Residential	55	45
Professional Services	55	55
Other Commercial	60	60
Industrial	70	70

Noise limit categories. No person shall operate or cause to be operated a source of sound at a location or allow the creation of noise on property owned, leased, occupied, or otherwise controlled by the person, which causes the noise level, when measured on another property, either incorporated or unincorporated, to exceed any one of the following:

(A) The noise standard for the receiving land use as specified in Subsection B (Noise-impacted areas), above, for a cumulative period of more than 30 minutes in any hour.

(B) The noise standard plus 5 dB(A) for a cumulative period of more than 15 minutes in any hour.

(C) The noise standard plus 10 dB(A) for a cumulative period of more than five minutes in any hour.

(D) The noise standard plus 15 dB(A) for a cumulative period of more than one minute in any hour.

(E) The noise standard plus 20 dB(A) for any period of time.

If the measured ambient level exceeds any of the first four noise limit categories, the allowable noise exposure standard shall be increased to reflect the ambient noise level. If the ambient noise level exceeds the fifth noise limit category, the maximum allowable noise level under this category shall be increased to reflect the maximum ambient noise level.

[1] Source: County of San Bernardino Development Code

Table 8

Noise Standards for Adjacent Mobile Noise Sources (Development Code Table 83-3)[1]

Land Use		L_{dn} (or CNEL) dB(A)	
Categories	Uses	Interior[2]	Exterior[3]
Residential	Single and multi-family, duplex, mobile homes	45	60[4]
Commercial	Hotel, motel, transient housing	45	60[4]
	Commercial retail, bank, restaurant	50	n/a
	Office building, research and development, professional offices	45	65
	Amphitheater, concert hall, auditorium, movie theater	45	n/a
Institutional/Public	Hospital, nursing home, school classroom, religious institution, library	45	65
Open Space	Park	n/a	65

[1] Source: County of San Bernardino Development Code

[2] The indoor environment shall exclude bathrooms, kitchens, toilets, closets and corridors.

[3] The outdoor environment shall be limited to:

Hospital/office building patios
Hotel and motel recreation areas
Mobile home parks
Multi-family private patios or balconies
Park picnic areas
Private yard of single-family dwellings
School playgrounds

[4] An exterior noise level of up to 65 dB(A) (or CNEL) shall be allowed provided exterior noise levels have been substantially mitigated through a reasonable application of the best available noise reduction technology, and interior noise exposure does not exceed 45 dB(A) (or CNEL) with windows and doors closed. Requiring that windows and doors remain closed to achieve an acceptable interior noise level shall necessitate the use of air conditioning or mechanical ventilation.

V. Impact Analysis

Potential noise impacts are commonly divided into two groups; temporary and long term. Temporary impacts are usually associated with noise generated by construction activities. Long-term impacts are further divided into impacts on surrounding land uses generated by the proposed project and those impacts that occur at the proposed project site.

A. Temporary Noise Impacts

1. Demolition and Construction Noise

Construction noise represents a short-term impact on ambient noise levels. Noise generated by construction equipment, including trucks, graders, bulldozers, concrete mixers and portable generators can reach high levels. Demolition and grading activities will have similar noise levels.

Examples of construction noise at 50 feet are presented on Figure 7. The maximum noise level for most of the equipment that will be used during the construction is 70 to 95 dBA at a distance of 50 feet. Noise levels at further distances are lower. For example, at 200 feet, the maximum construction noise levels range from 58 to 83 dBA. Note that these noise levels are based upon worst-case conditions. Noise measurements made by Mestre Greve Associates for other projects show that the noise levels generated by commonly used grading equipment (i.e. loaders, graders and trucks) generate noise levels that typically do not exceed the middle of the range shown on Figure 7. These noise levels will be used as the basis for the estimates presented here and represent a worst-case estimate. A summary of existing land uses that may be affected by project construction noise and a discussion of the potential impacts to each is presented below.

Maximum construction noise levels at hotels and single-family residential units located between Valley Boulevard and the I-10 Freeway could reach up to 95 dBA as a result of redevelopment activities that could occur immediately adjacent to them or new development that may occur directly to the north on the north side of Valley Boulevard. It should be noted that noise levels in this area are already quite high due to I-10 Freeway vehicle traffic and construction noise would be less noticeable in this area than at other sensitive receptors in the project vicinity. Nevertheless, construction mitigation measures listed in Section VI of this report should be implemented to minimize potential impacts.

Construction activities could occur immediately adjacent to the Colton Golf Club and could negatively impact the golfing environment is if it continues to be operational while other areas of the specific plan are developed. If adjacent properties are developed prior to the closure of the Colton Golf Club, construction mitigation measures listed in Section VI of this report should be implemented to minimize potential impacts.

Construction noise associated with development proposed along the northern boundary of the proposed project could reach up to 90 dBA L_{max} at residential properties and at Rialto City Park located north of San Bernardino Avenue. This noise levels could also occur at an existing church located at near the intersection of San Bernardino Avenue and Pepper Avenue. Construction mitigation measures listed in Section VI of this report should be implemented to minimize potential impacts.

Project related construction noise levels could reach up to 72 L_{max} at the Rialto Retirement Home, Vista Cove Care Center and the Cathedral of Praise Church which are all located east of the project. Construction mitigation measures listed in Section VI of this report should be implemented to minimize potential impacts.

Construction noise associated with development proposed along the northern boundary of the proposed project could reach up to 90 dBA L_{max} at the property boundaries of the San Bernardino Social Services Building, the Arrowhead Regional Medical Center, Hermosa Gardens Cemetery, Slover Mountain High School and at Single-family residential units located west of Hermosa Avenue. Construction mitigation measures listed in Section VI of this report should be implemented to minimize potential impacts.

It should be noted that the San Bernardino Noise Ordinance exempts construction noise between the hours of 7:00 AM and 7:00 PM on any day except Sunday or a national holiday. Although the San Bernardino ordinance has no legal authority in Colton, it does represent the concept that if construction noise is limited to time periods when people are less sensitive to noise than impacts can be avoided. If demolition or construction occurs during these periods, impacts will be minimized.

B. Long Term Noise Impacts

Increased traffic caused by the project will result in increased traffic noise levels along the roadways in the vicinity of the project. This section examines noise impacts from the proposed project on the surrounding land uses. Specifically, traffic noise increases due to the project are examined.

1. Project Generated Traffic Noise Impacts

Table 9 shows the expected incremental traffic noise level increases on road segments in the project area with and without implementation of the project. These noise level increases were calculated using traffic volumes presented in the previously referenced traffic study prepared for the project by Kunzman Associates, Inc. (2014). Neither the City of Colton nor the County of San Bernardino has vehicle/truck mixes or Day/Evening/Night (D/E/N) splits published for use in acoustical studies. Vehicle/truck mixes and D/E/N splits for use in acoustical studies published by the Riverside County Department of Industrial Hygiene were utilized for noise modeling.

Day/Evening/Night splits and traffic mix for the I-10 Freeway were calculated from Caltrans California Freeway Performance Measurement System (PEMS) data for the I-10 Freeway adjacent to the project site for 22 days in July and August 2008. The mix of automobile, medium trucks and heavy trucks were calculated from the 2006 truck mix

volumes provided by Caltrans. Traffic volumes, speeds and traffic mixes for all other road segments are presented in Appendix B. FHWA traffic modeling output is presented in Appendix C.

As can been seen in the column entitled "Project Increase" in Tables 9(2) and 9(4), project generated traffic noise will result in noise increases of 3 dB or greater along the five road segments listed below. A discussion of the impact to sensitive receptors associated with project related traffic noise increase is also discussed below.

Meridian Avenue, north of Valley Boulevard

Implementation of the project will result in traffic noise increases of up to 4.6 CNEL over Year 2016 noise levels without the proposed project and up to 4.2 CNEL over Year 2035 noise levels without the project at land uses adjacent to Meridian Street just north of Valley Boulevard. Based on modeling results, Year 2035 traffic noise levels are not expected to exceed 65 CNEL and there are no existing sensitive receptors at this location. This impact would not be significant.

Olive Street, east of Rancho Avenue

Implementation of the project will result in traffic noise increases of up to 3.5 CNEL over Year 2016 noise levels without the proposed project; and up to 3.2 CNEL over Year 2035 noise levels without the project at land uses adjacent to Olive Street east of Rancho Avenue. Based on modeling results, noise levels at Year 2035 are not expected to exceed 62 CNEL. Although there are existing residential dwelling units along the north side of Olive Street, the lot lines are set back from the road rights-of-way by approximately 15 feet and there are six-foot high masonry walls shielding the backyards from much of the traffic noise. This impact would not be significant.

Pepper Avenue, Valley Boulevard and the I-10 Freeway

Implementation of the project will result in traffic noise increases of up to 3.7 CNEL over Year 2016 noise levels without the proposed project; and up to 3.3 CNEL over Year 2035 noise levels without the project at land uses adjacent to Pepper Avenue near Valley Boulevard. Based on modeling results, noise levels associated with vehicle traffic on Pepper Street at Year 2035 in this area are expected to reach up to 72.8 CNEL. This area is also heavily influenced by vehicle traffic traveling on Valley Boulevard and the I-10 Freeway. There are however, no sensitive receptors in this area. Therefore, the impact of project generated traffic would be less than significant.

Valley Boulevard, Riverside Avenue to Meridian Avenue

Implementation of the project will result in traffic noise increases of up to 3.5 CNEL over Year 2016 noise levels without the proposed project and up to 3.2 CNEL over Year 2035 noise levels without the project at land uses adjacent to Valley Boulevard between Riverside Avenue and Meridian Avenue. Based on the modeling results, noise levels at Year 2035 are expected to range between 70 and 72 CNEL along this segment of Valley Boulevard. There are no sensitive land uses located along this segment of Valley

Boulevard. Further, measured ambient noise levels presented in Table 3 show that existing noise levels along this segment of Valley Boulevard currently range between 73.9 and 80.2 dBA L_{eq}. Therefore, the increase in vehicle noise along this segment of Valley Boulevard due to the proposed project would not be significant.

Wildrose Avenue, north of Valley Boulevard

Build out of the proposed project will result in increases in the ambient noise level of up to 4.9 CNEL over Year 2016 conditions without the project and up to 4.4 CNEL over Year 2035 conditions without the project. However, future noise levels along Wildrose Avenue are not expected to exceed 58 CNEL even with implementation of the project. Further, there are currently no sensitive receptors adjacent to this road segment. Increases in the ambient noise level due to project generated vehicle traffic would not be significant.

2. Operational Noise Impacts Associated with Proposed Land Uses

In addition to roadway traffic noise impacts discussed above, on-site activities associated with the proposed land uses have the potential to impact both on-site and off-site sensitive receptors. Specifically, the activities associated with retail, office and business park establishments such as large parking lot noise, air conditioning units, delivery trucks, loading and unloading.

Traffic associated with parking lots is not usually of sufficient volume to exceed community noise standards that are based on a time averaged scale such as the CNEL scale. However, the instantaneous maximum sound levels generated by car door slamming, engine start-up, alarm activation and car pass-bys can exceed the noise standard. Tire squeal may also be a problem depending on the type of parking surface. Estimates of the maximum noise levels associated with some parking lot activities are presented in Table 10. These noise levels, which are based on measurements conducted by Mestre Greve Associates, are representative of the noise level at a distance of 50 feet from the source, and are the maximum noise level generated. A range is given to reflect the variability of noise generated by various automobile types and driving styles. Due to the unavailability of detailed plans, the exact locations of all parking lots within the boundaries of each property are not yet known. For the purposes of determining worst-case noise impacts to residences due to parking lot related activities, it will be assumed that a parking lot could be located anywhere within the confines of the property containing the parking lot.

Truck deliveries, loading dock activities and air conditioning noise are difficult to assess at this stage of the project. Loading dock noise includes the movement of the goods into the store and possibly forklift operations. Truck delivery noise is generated when a truck drives to or from the loading dock. Formerly, delivery truck drivers could also leave the truck idling during unloading operations. However, trucks are now prohibited from idling for more than 5 minutes per the South Coast Air Quality Management District regulations. The number of truck deliveries and the time of day that unloading would occur is not known. Nighttime operations can be particularly annoying to

residences. However, noise levels could be loud enough that they would be disturbing to the residences.

Mechanical equipment noise associated with the heating, ventilation, and air conditioning system (HVAC) is often present with several of the land use types being proposed as part of the project. HVAC equipment is sometimes located on the ground and sometimes located on the roof of the buildings. The type, size and number of mechanical equipment are not known at this time. If the equipment is located on the roof, often parapet walls are used to control the noise from the equipment. Similarly, sound walls can be located around HVAC equipment that is located on the ground.

The above types of noise sources can be expected to occur within areas that are designated as Retail (R), Office Mixed Use (OMU) and Business Park (BP). A discussion of each planning area designated R, OMU or BP and the associated potential for each area to impact sensitive receptors are presented below.

Retail

PA16 – Although this parcel is situated just west of the existing Arrowhead Regional Medical Center, retail related noise would not impact this facility due to the hospital's setback from the intervening Pepper Avenue. Vehicle noise on Pepper Avenue would also mask any retail related noise that occurs on PA16. Retail activities may however, impact residential uses that would be allowed in PA15. Depending on the actual uses that are developed in the northwestern corner of PA16, a detailed noise study should be conducted to evaluate potential retail noise impacts to residential land uses that may be developed in PA15. Mitigation could include barrier walls along the northern boundary of PA16 and/or setbacks on PA16 or PA15. Implementation of Mitigation Measure 9 would minimize this impact.

PA20 and PA22 – There are no existing or proposed sensitive land uses located in the vicinity of these planning areas. No impact would occur.

Retail Mixed Use

PA9 – This planning area is situated south of proposed residential land uses. Depending on the actual uses that are developed along the northern boundary of PA9, a detailed noise study should be conducted to evaluate potential retail noise impacts to residential land uses that may be developed in PA9. Mitigation could include barrier walls along the northern boundary of PA9 and/or setbacks on PA9 or PA4, PA7 and PA8. There are no existing land uses that would be impacted by operational noise that may occur on PA9.

PA24 – There are existing land uses located within this planning area that may be affected by operational noise associated with land uses that would be allowed in PA24 including single-family residential dwelling units located at the southwest corner of Hermosa Avenue and C Street, single-family residential dwelling units located on the east side of Hermosa Avenue and Slover Mountain High School located west of Hermosa Avenue. Depending on the actual uses that are developed near these existing

uses, a detailed noise study should be conducted to evaluate potential operational noise impacts. Mitigation could include barrier walls and/or setbacks. Implementation of Mitigation Measure 9 would minimize this impact.

Office Mixed Use

PA19 – Land uses that may be allowed in this planning area have the potential for impacts to single-family residential units located north of San Bernardino Avenue. Vehicle noise travelling on San Bernardino Avenue will likely mask most noise that would be generated in this planning area. Depending on the actual uses that are developed near these existing uses, a detailed noise study should be conducted to evaluate potential operational noise impacts. Mitigation could include barrier walls and/or setbacks. Implementation of Mitigation Measure 9 would minimize this impact.

PA21 – Land uses that could be developed in this site have the potential to impact the single-family residential units located north of San Bernardino Avenue and the passive recreational areas located on the hospital grounds to the south. Depending on the actual uses that are developed near these existing uses, a detailed noise study should be conducted to evaluate potential operational noise impacts. Mitigation could include barrier walls and/or setbacks. Implementation of Mitigation Measure 9 would minimize this impact.

PA23 – Although this parcel is situated just west of the existing Arrowhead Regional Medical Center, noise associated with retail and office land uses are not likely to impact hospital due to the existing noise due to vehicle traffic associated with Pepper Avenue and the I-10 Freeway.

Business Park

PA1 - Existing retail land uses within the vicinity of this planning area are already exposed vehicle traffic noise associated with Valley Boulevard and the I-10 Freeway that would mask any activities associated with business park activities that may be developed in this planning area.

PA5 – Land uses that could be developed in this site have the potential to impact the residential units proposed directly to the north. Depending on the actual uses that are developed near these existing uses, a detailed noise study should be conducted to evaluate potential operational noise impacts. Mitigation could include barrier walls and/or setbacks. Implementation of Mitigation Measure 9 would minimize this impact.

PA10 and PA17 – These planning areas are situated in-between Valley Boulevard and the I-10 Freeway. Noise levels in this area currently range between 74 to 80 dBA L_{eq}. Noise that may be associated with business park uses in this area would not be noticeable over the existing ambient noise levels.

3. Future Traffic Noise Exposure to the Proposed Project

The project site is adjacent to busy arterial roadways. In addition, the I-10 Freeway is located just south of the project site. As discussed previously, the FHWA Noise Model was utilized to calculate future noise levels associated with vehicle traffic travelling on roads in the project area. The distances from the centerline to the 60, 65, 70 and 75 CNEL contours for each of the acoustically significant roadways within the project area were calculated and are shown on Figure 8. Note that the contours do not include the shielding effects of buildings, topography, or sound barriers that would lower the noise levels from what is shown on Figure 8, and therefore represent a worst-case estimate.

The largest source of traffic noise near the project site is the I-10 Freeway, so all areas that are near the I-10 Freeway have the potential to be significantly impacted. Noise levels along the I-10 Freeway are as high as 80 CNEL. Areas PA10, PA17, PA20, PA22, PA 23 and PA24 are located at the southern portion of the project site adjacent to the I-10 Freeway. Because of this, these areas will experience higher traffic noise levels than the other project areas that are further away from the I-10 Freeway. Although no new residential land uses are proposed to be located in-between Valley Boulevard and the I-10 Freeway, retail, commercial and office buildings may experience unacceptable interior noise levels. Mitigation Measure N-10 should be implemented to minimize this impact.

Land uses within 115 feet of the centerline of Valley Boulevard are expected to experience exterior noise levels that exceed 70 CNEL by the Year 2035. These exterior noise levels may result in unacceptable interior noise levels. Mitigation measure N-10 presented in Section VI of this report should be implemented in planning areas adjacent to Valley Boulevard.

Year 2035 traffic noise levels along San Bernardino Avenue are expected to exceed 65 CNEL up to 57 feet of the centerline of the road and proposed residential land uses in PA2 and PA13 may be exposed to exterior noise levels that exceed 65 CNEL. Mitigation measure N-11 should be implemented in order to avoid this impact.

The future (Year 2035) 70 CNEL traffic noise contour associated with Pepper Avenue will is expected to extend up to 117 feet from the roadway centerline. Proposed retail uses within 117 feet of Pepper Avenue may be exposed to unacceptable interior noise levels. Mitigation measure N-10 should be should be implemented in order to avoid this impact. No residential land uses are proposed in this area.

Traffic noise levels associated with vehicles travelling on Meridian Avenue in the Year 2035 are expected to reach up to 65 CNEL at a distance of 70 feet from the roadway centerline. Proposed retail land uses would not be significantly impacted and no residential land uses are proposed along this roadway. No mitigation is required.

Future traffic noise levels along Wildrose Avenue are expected to exceed 65 within 55 feet of centerline of the road. Mitigation Measure N-11 should be implemented in order to avoid significant impacts to proposed residential land uses within planning areas 4 and 7.

Traffic noise levels associated with Street A and Indigo Avenue would not be acoustically significant.

4. Future Train Noise Exposure to the Proposed Project

Just like as was done to estimate current railroad operations noise, the Wyle Noise Model was employed to project future railroad operations noise. Future projected train operations for the Union Pacific railroads were obtained from the OnTrac Trade Impact Study. "National Economic Significance of Rail Capacity and Homeland Security on the Alameda Corridor East", dated September 11, 2003. The projected future year 2025 operational data that is presented in Table 11 was utilized in conjunction with the Wyle Noise Model to project future train noise levels on the project site.

The results of the future train noise projections are displayed in Table 12 in terms of the distances to the 60, 65, and 70 CNEL noise contours. These numbers represent the distances from the center of the railroad line to the noise contour value shown. These projections do not include topography or barriers that may reduce the noise levels.

Using the future projected number of train operations, the projected future CNEL noise level at the portion of the project site that is closest to the center of the railroad line (e.g. 370 feet) is 73.7 dBA. This noise level is about 3.5 dB higher than the existing estimated train noise level at the same location.

Despite the fact that the noise from train operations will increase in the future, the future noise level due to train operations will still be significantly lower than the noise level generated by the I-10 Freeway. By comparison, the highest future CNEL noise level at the same portion of the project site due to the traffic traveling on the I-10 Freeway will be about 83.2 dBA. Because of the topography of the project site near the railroad, the same conclusion about railroad noise producing significantly lower noise levels than that due to the I-10 Freeway can be extended to include all portions of the project site. Because the noise level due to the I-10 Freeway is significantly higher than that due to railroad yard, the noise contribution from railroad operations will not the critical factor in determining future noise impacts at the project site.

C. Short-Term Vibration Impacts

Construction activity can result in varying degrees of ground vibration, depending on the equipment used on the site. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings in the vicinity of future construction activities could respond to these vibrations with varying results ranging from no perceptible effects at the low levels to slight damage at the highest levels. It is highly unlikely, however, that damage would occur. Table 2 gives approximate vibration levels for particular construction activities. This data provides a reasonable estimate for a wide range of soil conditions.

Vibratory equipment including loaded trucks, large bulldozers and a hoe-ram would be utilized during demolition activities that would include the tearing up of concrete and asphalt and the tearing down existing structures. A vibratory roller, loaded trucks and

possibly a jackhammer would be utilized to renovate and to build new structures. The vibratory roller would primarily be used during the laying of asphalt and a jackhammer may be utilized during utility relocation or installation. As shown in Table 2, a vibratory roller could produce up to a PPV of up to 0.21 inch per second at 25 feet. Use of vibratory equipment within 70 feet of a sensitive receptor could result in an exceedance of the VdB perception standard and use of vibratory equipment within 26 feet of a sensitive receptor could exceed the ppv standard established to protect structures.

The most sensitive receptor in the vicinity is the Arrowhead Regional Medical Center. With the location of a large medical facility in proximity to the proposed Retail (Planning Area 16), Office Mixed Use (planning areas 19, 21, and 23) and Retail – Mixed Use (Planning Area 24), impacts associated with vibration could be significant. Within these planning areas a variety of retail, office and business park buildings would be developed that may include drive aisles and loading docks where large trucks would access the rear of buildings that may be adjacent property lines. Large heating, ventilation and air conditioning (HVAC) facilities may also be located near property lines, which could also have a significant impact when operating.

The largest area to be preserved as Open Space/Habitat (Planning Area 18) is adjacent to Planning Area 16 (68 acres of Retail Use), and Planning Area 19 (Office Mixed Use). Sensitive species could also be adversely affected by project related demolition and construction activities.

In addition to adherence with allowed hours for construction (Mitigation Measure N-1), implementation of Mitigation Measure N-9 will minimize potential impacts related to demolition and construction activities.

D. Long-Term Vibration Impacts

Medium and heavy delivery trucks can be expected to visit the project site on a regular basis. Heavy trucks would not be anticipated to exceed 0.10 in/sec peak particle velocity (ppv) at 10 feet (Caltrans 2002). Predicted operational related vibration levels at the nearest off-site structures, which are located in excess of 25 feet from the traveled roadway segments, would not be anticipated to exceed even the most conservative threshold of 0.2 inch/second ppv. No mitigation is necessary.

Table 9

Project-Related Traffic Noise Increases (dBA CNEL)[1]

Roadway	Segment	Existing	Opening Year (2016)		2035		Project Increase Year 2016	Project Increase Year 2035
			No Project	With Project	No Project	With Project		
Agua Mansa Road	West of Main Street	64.1	64.8	65.2	66.9	67.1	0.4	0.2
	East of Main Street	64.1	64.8	65.2	66.9	67.1	0.4	0.2
	East of S Rancho Avenue	55.2	57.7	57.7	63.4	63.4	0.0	0.0
Baseline Road	West of Riverside Avenue	66.3	67.1	67.1	67.5	67.5	0.0	0.0
	East of Riverside Avenue	67.4	67.4	67.4	67.8	67.8	0.0	0.0
	West of Pepper Avenue	66.7	66.8	67.0	67.2	67.4	0.2	0.2
	East of Pepper Avenue	66.0	66.1	66.3	66.4	66.6	0.2	0.2
Bloomington Avenue	West of Cedar Avenue	69.7	69.8	69.8	70.8	71.0	0.0	0.1
	East of Cedar Avenue	64.7	65.2	65.4	67.6	67.8	0.2	0.1
	West of Riverside Avenue	63.6	64.0	64.0	62.0	62.0	0.0	0.0
C Street	Meridian Avenue to Hermosa Avenue	52.4	52.8	52.8	54.5	54.5	0.0	0.0
Cedar Avenue	North of Foothill Boulevard	58.8	68.8	68.9	69.2	69.3	0.1	0.1
	South of Foothill Boulevard	68.6	68.6	68.6	69.1	69.1	0.0	0.0
	North of Rialto Avenue	67.9	68.6	68.6	69.1	69.1	0.0	0.0
	South of Rialto Avenue	68.1	68.3	68.3	69.1	69.1	0.0	0.0
	North of San Bernardino Avenue	68.1	68.2	68.3	68.6	68.7	0.1	0.1
	San Bernardino Avenue to Valley Boulevard	68.4	68.5	68.7	68.8	69.0	0.2	0.2
	Valley Boulevard to I-10 Freeway	71.0	71.4	71.6	72.1	72.2	0.1	0.1
	I-10 Freeway to Slover Avenue	68.8	68.9	69.1	69.7	69.8	0.2	0.1
	South of Slover Avenue	68.1	68.2	68.3	68.5	68.6	0.1	0.1
Columbia	East of Riverside Drive	65.4	65.5	65.6	65.9	66.0	0.1	0.1
Etiwanda Avenue	West of Riverside Avenue	58.6	58.7	58.7	59.5	59.5	0.0	0.0
	East of Riverside Avenue	58.5	58.6	58.6	59.6	59.6	0.0	0.0
Foothill Boulevard	West of Cedar Avenue	69.1	69.2	69.3	69.9	70.0	0.1	0.1
	East of Cedar Avenue	68.8	69.0	69.2	69.8	70.0	0.2	0.1
	West of Riverside Avenue	68.6	68.7	68.9	69.5	69.6	0.2	0.2
	East of Riverside Avenue	69.0	69.2	69.3	70.3	70.4	0.2	0.1
	West of Pepper Avenue	67.7	68.0	68.3	69.5	69.7	0.3	0.2
	East of Pepper Avenue	67.7	67.8	67.9	68.3	68.4	0.2	0.1
Hermosa	C Street to Valley Boulevard	39.8	39.8	39.8	39.8	39.8	0.0	0.0
Highland Avenue	West of Pepper Avenue	64.0	64.1	64.6	64.4	64.9	0.5	0.4
	East of Pepper Avenue	64.0	64.7	64.7	67.7	67.7	0.0	0.0
Jurupa	Willow Avenue to Riverside Avenue	59.7	60.0	60.0	61.6	61.6	0.0	0.0
La Cadena Drive	North of Rancho Avenue	66.0	66.4	66.4	68.4	68.4	0.0	0.0
	South of Rancho Avenue	69.0	69.4	69.7	71.3	71.6	0.4	0.2
	North of I-215 Freeway	66.4	66.8	67.2	68.8	69.0	0.4	0.3
	South of I-215 Freeway	67.6	67.8	67.8	68.8	68.8	0.0	1.1

[1] Noise levels shown are at a distance of 100 feet from roadway centerline

Table 9 (Cont'd)

Project-Related Traffic Noise Increases (dBA CNEL)[1]

Roadway	Segment	Existing	Opening Year (2016)		2035		Project Increase	Cumulative Increase
			No Project	With Project	No Project	With Project		
Main Street	Placentia Lane to Columbia Avenue	68.7	68.9	69.3	70.4	70.7	0.4	0.3
	Columbia Avenue to SR-60 Freeway	68.5	69.0	69.3	71.1	71.4	0.4	0.2
	South of SR-60	67.9	67.9	68.0	68.3	68.4	0.1	0.0
Meridian Avenue	North of Olive Street	60.1	60.2	61.0	60.6	61.3	0.8	0.7
	South of Olive Street	60.1	60.1	61.3	60.7	61.8	1.2	1.1
	North of Valley Boulevard	59.9	59.9	64.5	60.5	64.7	4.6	4.2
Merill Avenue	West of Riverside Avenue	55.4	55.8	56.0	60.9	61.0	0.2	0.1
	Riverside Avenue to Acacia Avenue	60.6	60.7	60.7	61.1	61.1	0.0	0.0
	Acacia Avenue to Pepper Avenue	57.9	58.0	59.2	58.4	59.4	1.2	1.1
Mill Avenue	East of Pepper Avenue	58.9	58.9	59.4	59.2	59.7	0.5	0.4
Mount Vernon Avenue	Fairway Drive to Valley Boulevard	66.0	66.2	66.7	67.2	67.7	0.6	0.4
	I-10 Freeway to M Street	67.7	67.8	67.8	68.4	68.4	0.0	0.0
Olive Street	West of Rancho Avenue	60.0	60.1	63.0	60.4	63.2	3.0	2.8
	East of Rancho Avenue	57.6	57.8	61.3	58.5	61.6	3.5	3.2
Pepper Avenue	SR-210 Freeway to Baseline Road	58.9	61.0	63.7	69.6	70.1	2.7	0.5
	Baseline Road to Etiwanda Avenue	65.1	65.8	67.9	68.5	69.8	2.2	1.3
	Etiwanda Avenue to Foothill Boulevard	65.9	66.4	68.5	68.7	70.0	2.1	1.3
	Foothill Boulevard to Rialto Avenue	68.4	68.6	70.4	69.6	71.1	1.8	1.5
	Rialto Avenue to Merrill Avenue	69.2	69.3	71.1	69.6	71.4	1.8	1.7
	Merrill Avenue to Randall Avenue	68.1	68.2	70.9	68.5	68.5	2.8	0.0
	Randall Avenue to San Bernardino Avenue	68.9	68.9	71.5	69.3	71.7	2.6	2.4
	San Bernardino Avenue to Violet Street	69.2	69.3	72.0	69.8	72.3	2.7	2.5
	Violet Street to Hospital Entrance	69.2	69.3	72.1	69.7	72.3	2.8	2.6
	Hospital Entrance to Valley Boulevard	69.6	69.7	72.1	69.7	72.3	2.4	2.6
	Valley Boulevard to I-10 Freeway	68.8	68.9	72.6	69.5	72.8	3.7	3.3
	South of I-10 Freeway	68.0	68.0	68.0	68.4	68.4	0.0	0.0
Rancho Avenue	North of Olive Street	67.3	67.4	67.7	68.0	68.3	0.3	0.2
	Olive Street to C Street	67.4	67.5	67.6	68.2	68.2	0.0	0.0

[1] Noise levels shown are at a distance of 100 feet from roadway centerline

Table 9 (Cont'd)

Project-Related Traffic Noise Increases (dBA CNEL)[1]

Roadway	Segment	Existing	Opening Year (2016)		2035		Project Increase	Cumulative Increase
			No Project	With Project	No Project	With Project		
Rancho Avenue	North of Valley Boulevard	67.6	67.7	67.8	68.4	68.5	0.1	0.1
	I-10 Freeway to 3rd Street	68.4	68.5	69.1	69.4	69.8	0.5	0.4
	3rd Street to Agua Mansa Road	67.1	67.3	67.9	68.3	68.8	0.7	0.5
	Agua Mansa Road to La Cadena Drive	65.5	65.9	66.6	67.7	68.1	0.7	0.4
Rialto Avenue	West of Cedar Avenue	62.3	62.3	62.5	62.7	62.9	0.2	0.2
	Cedar Avenue to Cactus Avenue	61.2	61.2	61.5	61.6	61.8	0.3	0.3
	Cactus Avenue to Riverside Avenue	60.0	60.2	60.5	61.3	61.5	0.3	0.3
	Riverside Avenue to Acacia Avenue	58.4	58.7	58.9	60.1	60.2	0.2	0.1
	Acacia Avenue to Pepper Avenue	61.3	61.6	62.2	63.0	63.5	0.6	0.4
	East of Pepper Avenue	63.1	63.2	63.4	63.5	63.7	0.2	0.2
Riverside Avenue	North of Baseline Road	68.8	68.9	68.9	69.3	69.3	0.0	0.0
	Baseline Road to Etiwanda Avenue	66.1	66.1	66.1	66.5	66.5	0.0	0.0
	Etiwanda Avenue to Foothill Boulevard	66.1	66.2	66.2	66.5	66.6	0.0	0.1
	Foothill Boulevard to Rialto Avenue	65.6	65.9	66.1	67.3	67.5	0.2	0.1
	Rialto Avenue to Merrill Avenue	66.0	66.3	66.6	67.7	67.9	0.3	0.2
	Merill Avenue to Randall Avenue	66.9	67.1	68.3	68.3	68.6	1.2	0.3
	Randall Avenue to San Bernardino Avenue	67.6	67.8	68.3	69.1	69.3	0.5	0.3
	San Bernardino Avenue to Value Center	68.7	68.9	69.3	70.1	70.4	0.4	0.3
	Value Center to Valley Boulevard	68.5	69.6	70.0	71.1	71.1	0.5	0.0
	Valley Boulevard to I-10 Freeway	70.1	70.4	71.3	71.7	72.4	0.9	0.7
	I-10 Freeway to Slover Avenue	69.3	69.6	70.0	71.1	71.1	0.5	0.0
	Slover Avenue to Jurupa Avenue	69.4	69.8	70.3	71.7	72.0	0.6	0.4
	Jurupa Avenue to Agua Mansa Road	69.5	69.9	70.5	71.9	72.3	0.5	0.3
	Agua Mansa Road to Placentia Lane	66.2	67.0	67.8	70.1	70.5	0.8	0.4
San Bernardino Avenue	West of Cedar Avenue	61.2	61.2	62.4	61.6	62.6	1.1	1.0
	Cedar Avenue to Cactus Avenue	56.7	61.2	62.4	61.6	62.6	1.1	1.0

[1] Noise levels shown are at a distance of 100 feet from roadway centerline

Table 9 (Cont'd)

Project-Related Traffic Noise Increases (dBA CNEL)[1]

Roadway	Segment	Existing	Opening Year (2016)		2035		Project Increase Year 2016	Project Increase Year 2035
			No Project	With Project	No Project	With Project		
San Bernardino Avenue	Cactus Avenue to Riverside Avenue	61.4	61.6	63.4	62.8	64.2	1.8	1.4
	Riverside Avenue to Wildrose Avenue	63.4	63.6	64.7	64.6	65.5	1.1	0.9
	Wildrose Avenue to Indigo Avenue	62.4	62.5	64.4	63.2	64.4	1.9	1.2
	Indigo Avenue to N Eucalyptus Avenue	62.4	62.6	63.9	63.1	64.8	1.3	1.7
	N Eucalyptus Avenue to Pepper Avenue	62.6	62.7	64.7	62.6	65.5	2.1	2.9
	Pepper Avenue to Meridian Avenue	61.7	61.9	64.5	63.3	65.5	2.6	2.2
Slover Avenue	West of Cedar Avenue	63.1	63.9	64.0	67.3	67.3	0.1	0.1
	East of Cedar Avenue	62.1	63.9	63.9	68.8	68.8	0.0	0.0
Valley Boulevard	West of Cedar Avenue	69.1	69.1	69.4	69.5	69.8	0.3	0.3
	Cedar Avenue to Cactus Avenue	67.1	67.1	68.0	67.5	68.3	0.8	0.8
	Cactus Avenue to Riverside Avenue	67.7	67.9	68.7	68.7	69.4	0.8	0.7
	Riverside Avenue to Wildrose Avenue	66.3	66.4	69.8	67.0	70.1	3.4	3.1
	Wildrose Avenue to Eucalyptus Avenue	65.1	65.3	69.6	66.2	69.9	4.3	3.8
	Eucalyptus Avenue to Pepper Avenue	67.9	68.0	71.4	68.4	71.6	3.4	3.2
	Pepper Avenue to Meridian Avenue	68.3	68.4	71.4	68.7	71.6	3.0	2.8
	Meridian Avenue to Hermosa Avenue	65.1	65.2	67.4	65.8	67.8	2.2	2.0
	Hermosa Avenue to Rancho Avenue	66.2	66.3	68.1	66.8	68.5	1.8	1.6
	Rancho Avenue to La Cadena Drive	65.3	65.4	66.6	65.7	66.9	1.2	1.1
	La Cadena Drive to Mount Vernon Avenue	66.3	66.4	67.4	66.8	67.5	1.0	0.7
Wildrose Avenue	North of Valley Boulevard	52.9	53.0	57.8	53.6	58.1	4.9	4.4

[1] Noise levels shown are at a distance of 100 feet from roadway centerline

Table 10

Maximum Noise Levels Generated by Parking Lots (at 50 feet)

Event	dBA L_{max}
Door Slam	60 to 70
Car Alarm Activation	65 to 70
Engine Start Up	60 to 70
Car pass-by	55 to 70

[1] Mestre Greve Associates, 2008

Table 11

Future Railroad Operations Modeled

Train	Number of Cars	Speed (MPH)	Number of Operations		
			Daytime (7:00 AM to 7:00 PM)	Evening (7:00 PM to 10:00 PM)	Nighttime (10:00 PM to 7:00 AM)
Freight	66	23	64	14	59

[1] Mestre Greve Associates, 2008

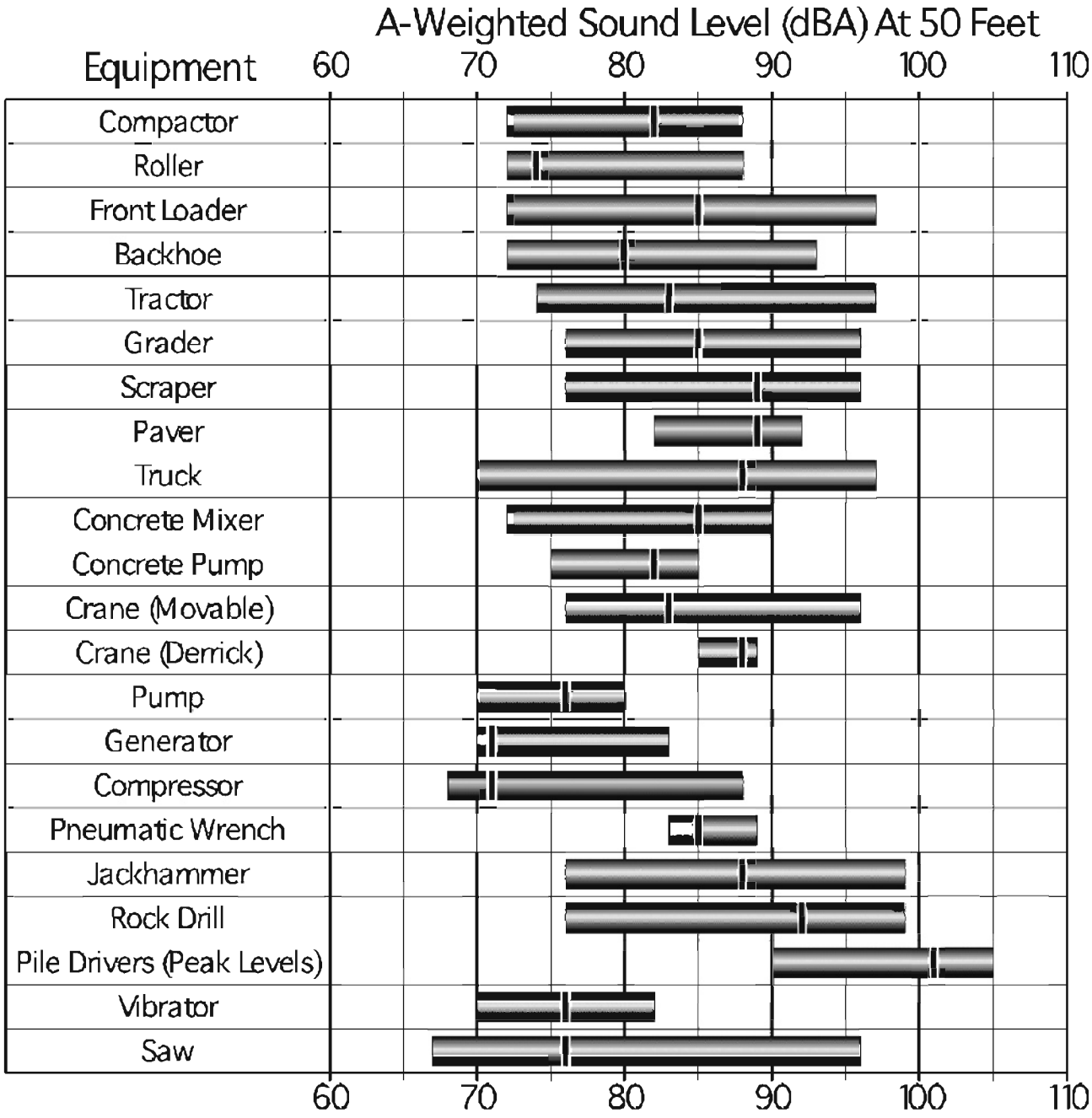
Table 12

Future Railroad Distance to Noise Level Contours

Train	70 CNEL	65 CNEL	60 CNEL
Freight	594	1127	2145

[1] Mestre Greve Associates, 2008

Figure 7
Construction Equipment Noise Levels



Sources: "Handbook of Noise Control," by Cyril Harris, 1979
"Transit Noise and Vibration Impact Assessment" by Federal Transit Administration, 1995

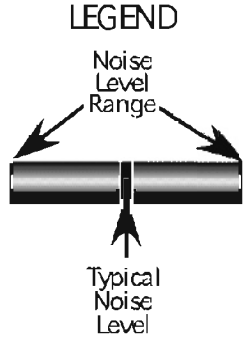


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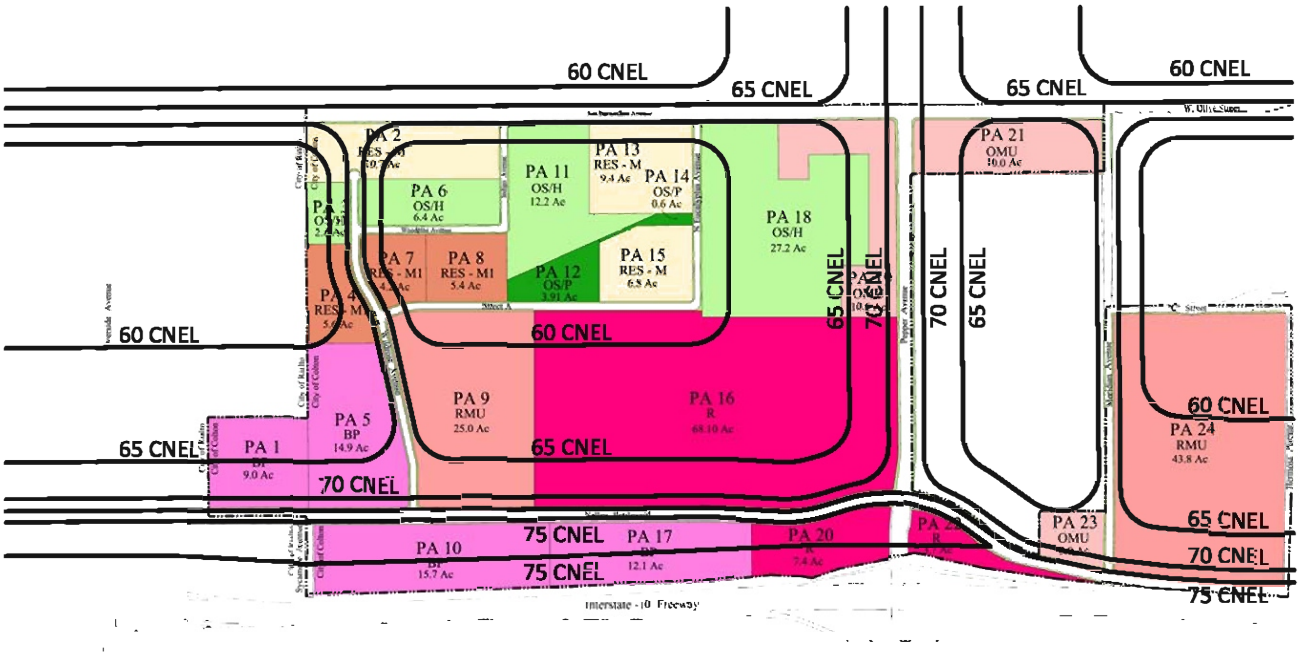
Figure 8
Future On-Site Traffic Noise Contours (CNEL)



Legend

RES-M	(Medium)	R	Retail	OS/P	Open Space / Park
RES-M1	(Medium - 1)	OMU	Office Mixed Use	OS/H	Natural Habitat
RMU	Retail Mixed Use	BP	Business Park		

N

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VI. Mitigation Measures

A. Temporary Noise Impacts

1. Demolition and Construction Noise

The analysis presented in Section 2.2.1 shows that project demolition and construction noise could result in significant impacts to nearby residences if uncontrolled. The most effective method of controlling construction noise is through limiting construction hours. The County of San Bernardino Noise Ordinance does have restrictions on construction hours. Therefore, the following mitigation measure is proposed and is consistent with the San Bernardino Noise Ordinance.

Mitigation Measure N-1:
Control of Construction Hours – All construction activities should be limited to the hours between 7:00 AM and 7:00 PM Monday through Saturday. Construction and demolition should be prohibited on Sundays or national holidays.

In addition to implementation of Mitigation Measure N-1, the following mitigation measures should be implemented whenever construction activities occur within 1,500 feet of the hotel and residential land uses located between Valley Boulevard and the I-10 Freeway; the Colton Golf Club (if in operation); the residential properties, the church and the Rialto City Park all located along San Bernardino Avenue; the Rialto Retirement Home, Vista Cove Care Center and the Cathedral of Praise Church all located near Riverside Drive; the San Bernardino Social Services Building; the Arrowhead Regional Medical Center; the Hermosa Gardens Cemetery; Slover Mountain High School; and the residential land uses located along Hermosa Avenue.

Mitigation Measure N-2:
The construction contractor shall limit haul truck deliveries to the same hours specified for construction equipment (7:00 AM and 7:00 PM Monday through Saturday).

Mitigation Measure N-3:
To the extent feasible, haul routes shall not pass sensitive land uses or residential dwellings and should avoid using alleyways adjacent to said uses.

Mitigation Measure N-4:
The project contractor shall use power construction equipment with state-of-the-art noise shielding and muffling devices.

Mitigation Measure N-5:
During all project site excavation and grading on-site, construction contractors shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers, consistent with manufacturers' standards.

Mitigation Measure N-7:
The construction contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and noise sensitive receptors nearest the project site during all project construction.

Mitigation Measure N-8:
The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from the noise sensitive receptors nearest the project site.

Mitigation Measure N-9:

The use of vibratory equipment shall be avoided within 70 feet of existing vibration-sensitive land uses.

Mitigation Measure N-10:

If vibratory equipment must be used within 26 feet of an existing structure vibration monitoring shall be conducted and work shall be halted and re-evaluated if vibratory levels near 0.20 PPV which is the standard established to protect structures.

B. Long Term Noise Impacts

1. Project Generated Traffic Noise Impacts

No significant impacts related to the increase in ambient noise levels due to project traffic were identified. No mitigation is necessary.

2. Operational Impacts Associated with Proposed Land Uses

Mitigation Measure N-9:
Prior to issuance of building permits for non-residential land uses within PA5, PA9, PA16, PA19, PA21 and PA24, city staff shall require the preparation of a detailed noise study that shall be prepared to ensure that these sources do not exceed 55 dBA (Leq) and 75 dBA (Lmax) during the daytime (7:00 AM to 10:00 PM), and 45 dBA (Leq) and 65 dBA (Lmax) during the nighttime (10:00 PM to 7:00 AM). The assessment shall be prepared by a qualified acoustical engineer and shall document the noise generation characteristics of the proposed equipment and the projected noise levels at the nearest use. Compliance with these levels shall be demonstrated and any measures required to comply with the Noise Ordinance will be included in the project plans. The report shall be completed and approved by the City prior to issuance of building permits.

3. Traffic Noise Impacts to Proposed Land Uses

Mitigation Measure N-10:
New non-residential development shall be constructed with roof-ceiling assemblies that make up the building envelope to have an STC of at least 50 and exterior windows must have minimum STC of 30 where sound levels at the property line regularly exceed 65

decibels. This measure shall apply to new non-residential land uses proposed along Valley Boulevard and Pepper Avenue. This measure would reduce interior noise levels to acceptable levels and mitigate any impact to less than significant.

Buildings with few or no occupants and where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings are exempt from this measure.

Mitigation Measure N-11:

Prior to issuance of building permits for residences located along San Bernardino Avenue and Wildrose Avenue a detailed noise assessment shall be prepared to show that noise levels in those areas will not exceed the 65 CNEL outdoor noise criteria and the 45 CNEL indoor noise standard. The noise assessment shall be prepared by a qualified acoustical consultant and shall document the sources of noise impacting the areas and describe any measures required to meet the standard. These measures will be incorporated into the project plans. The report shall be completed and approved by the City prior to issuance of building permits.

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Appendices

Appendix A – Noise Measurement Notes

Appendix B – Road Volumes, Speed and Mix

Appendix C – FHWA Traffic Noise Prediction Model – FHWA-RD-77-108 Output

APPENDIX A

Noise Measurement Notes

Noise Measurement Field Notes
Mestre Greve Associates, 2008

Measurements 1-12 were taken on August 7, 2008 between the hours of 9:44 AM and 3:41 PM
Measurements 13-15 were taken on August 11, 2008 between the hours of 10:30 AM and 12:13 PM

Site 1: Corner of Hermosa Avenue and Valley Boulevard
At the northwest corner of Hermosa Avenue and Valley Boulevard adjacent to PA30 about 200 north of the centerline of the I-10 Freeway is the location of Site 1. Heavy traffic including trucks, cars and buses from both Valley Boulevard and the I-10 Freeway accounted for most of the noise that occurred at this site. During the measurement period, a nearby train sounded its horn and produced a noise that measured 74.7 dBA, although the Lmax that occurred during the measurement period was 77.7 dBA. This site had the 2nd highest Leq with a value of 73.9 dBA. The freeway was the dominant source in the area. The railroad, which is on the far side of the freeway, rarely could be heard except when a train used its horn.

Site 2: Meridian Avenue
To the east and south of the Arrowhead Regional Medical Center in a vacant field (PA36), 65 feet east of the centerline of Meridian Avenue, 550 feet north of the centerline of Valley Boulevard and about 700 north of the centerline of the I-10 Freeway was the location of this site. Despite the fact that this site was so far from the I-10 Freeway, the sound of traffic traveling along the freeway was still noticeable. Traffic along Meridian Avenue also contributed to the noise at this site. A passing trash truck produced the highest noise level at this site. The Lmax was 74.8 dBA. The Leq at this site measured 61.3 dBA.

Site 3: Hermosa Avenue
On the west side of Hermosa Avenue about 400 feet south of C Street on a vacant field (PA30) was the location of Site 3. The meter was setup adjacent to the roadway a few feet from a telephone pole. North-south running railroad tracks lie just east of Hermosa Avenue about 80 feet away from the measurement site. No trains could be heard by during the measurement period. Hermosa Avenue experiences only low volume roadway traffic. The loudest event that occurred during the measurement period was caused by an SUV as it drove by. The SUV produced an Lmax of 69.1 dBA. An airplane also flew near the site, although the noise that it produced was not significantly different from the background noise. This site had the 3rd lowest average noise level with an Leq of 51.1 dBA.

Site 4: San Bernardino Avenue
On a small grassy strip on the north side of San Bernardino Avenue under a tree about a half block west of Meridian Avenue and across the street from PA29 is the location of Site 4. The traffic that was traveling along San Bernardino Avenue was the main source of noise at this site. The Lmax occurred when one pickup truck passed another pickup truck. The noise level due to this event measured 81.1 dBA. The Leq for this site was 64.8 dBA.

Site 5: Corner of Olive Street and Lydon Drive
This site, which is located near the northeastern curb of Olive Street and Lydon Drive in a residential neighborhood 0.9 miles east of the project site, experienced a slight wind. During the measurement period, a nearby train sounded its horn 21 times over a period of about 10 minutes, although the train horn wasn't the loudest noise source. A passing UPS truck produced the Lmax of 79.1 dBA. Other noticeable sound events included a barking dog and loud music emanating from a passing car. The Leq

at this site measured 60.4 dBA. Between all of these events, this site got very quiet. At 43.9 dBA, this site had the lowest Lmin of all sites.

Site 6: Corner of Pepper Avenue and Randall Avenue
At the southeastern corner of Pepper Avenue and Randall Avenue north of the project is the location of this site. The noise that occurred during the measurement period was due to very heavy truck traffic that was traveling on Pepper Avenue. Two cars passed by the sound meter and blasted loud music. This site had the 3rd highest average noise level with an Leq of 72.7 dBA and the 2nd highest Lmax with a value of 86.7 dBA.

Site 7: Pepper Avenue
This site was located on the west side of Pepper Avenue in front of a Mormon church (PA35) and across Pepper Avenue from the Arrowhead Regional Medical Center. Traffic vehicles on Pepper Avenue accounted for most the noise that occurred here. Although this site was located on the same street as Site 6, the average noise level at this site was a little bit quieter because the truck traffic was less. An extremely loud small car passed by the sound meter and generated the Lmax of 85.6 dBA. Other notable events included loud banging noises that emanated from a nearby factory. The Leq for this site measured 70.4 dBA.

Site 8: George E. Brown Jr. Park.
Slightly north of the southwest corner of George E. Brown Jr. Park, nestled between the Colton Golf Course and a small north side bluff about 650 feet south of San Bernardino Avenue is the location of Site 8 (PA22). There was a breeze in the air. Bird chirping, leaves rustling, faint conversation, and a school bus were some of the sounds that occurred during the measurement period. The combination of the topography of the site and the distance of the site from the nearest roadway were responsible for the relative quiet that this site experienced. This site had the lowest average noise level of all measurement sites; the Leq was 48.8 dBA. This site also had the 2nd lowest Lmin with a value of 44.1 dBA. The Lmax occurred when a jet plane flew overhead and caused the noise level to reach a value of 62.6 dBA. The Lmax for this site was the lowest Lmax of all sites measured.

Site 9: Corner of Indigo Avenue and San Bernardino Avenue
On a vacant field (PA23) a few feet from the southeast corner of Indigo Avenue and San Bernardino is the location of Site 9. The main source of noise at this site was due to traffic that was traveling along San Bernardino Avenue. The Leq at this site measured 63.2 dBA. The Lmax occurred when a FedEx trucks drove by at the same time that a helicopter flew overhead. The Lmax measured 80.2 dBA. Loud music emanating from a passing car occurred no less than four times during the measurement period.

Site 10: Eucalyptus Avenue
On Eucalyptus Avenue where it dead-ends about 600 feet north of Valley Boulevard is the location of Site 10. Eucalyptus Avenue is not well traveled, nor well maintained. Because of the absence of vehicles traffic on Eucalyptus Avenue, and the fact that this site was far from the nearest traffic-bearing road (e.g. Valley Boulevard), traffic noise did not contribute much to the ambient noise level. A facility that operated heavy trucks was adjacent to and east of Eucalyptus Avenue (PA35). During the measurement period, a jet flew over momentarily producing a noise level of 59.1 dBA. On the west side of Eucalyptus

Avenue (also PA35) is the Colton Golf Course. The sound of yelling golfers could be heard, and one of the yells produced the highest noise level causing the Lmax to reach 69.8 dBA. This site had the 4th quietest average noise level with an Leq of 55.4 dBA.

Site 11: Sycamore Avenue
At the south dead-end of Sycamore Avenue just north of the I-10 Freeway at the western border of PA9 is the location of Site 11. From the measurement site, a good view of the freeway could be seen. A couple of trees, a chain-link fence and a utility meter pole were the only obstructions between the freeway and the measurement site. Freeway noise was the dominant noise source at this site, due mainly to the fact that the distance of the site from the centerline of the I-10 Freeway is only about 115 feet. Besides freeway noise, there were no other noticeable noise events. The railroad yard located on the opposite site of the freeway was not audible. This site had the highest average noise level with an Leq of 80.2 dBA. This site also had the highest Lmax and Lmin. The Lmax was recorded at 87.0 dBA, and the Lmin was recorded at 72.4 dBA.
Site 12: San Bernardino Avenue and Idyllwild Avenue
This site was located at the northwestern corner of San Bernardino Avenue and Idyllwild Avenue in a residential area west of the project site. On three separate occasions, a high-altitude jet plane flew overhead. There was a dog near the measurement site, and it started barking. The Leq at this site measured 64.0 dBA. A passing bus produced the highest noise level; the Lmax reached 82.2 dBA.

Site 13: Caesar Chavez Park
This measurement was taken within the boundaries of Caesar Chavez Park about 1.7 miles to the east of the project site. The main source of noise at this site was from vehicles traveling along Mount Vernon Avenue and E Street. When there was a lull in traffic on these nearby streets, freeway noise could be heard as well as the sound of chirping birds. Some local workers who had assembled near the measurement site started banging objects together. Also during the measurement period an aircraft flew over the site, although this was a minor noise event, and the noise that it produced was not significant. This site had an Leq of 58.5 dBA. A siren was heard in the distance, and shortly afterward an ambulance passed by the site and produced the Lmax of 77.3 dBA.

Site 14: Wildrose Avenue and Woodpine Avenue
At the northeast corner of Wildrose Avenue and Woodpine Avenue is the location of this site. North of the measurement site was a vacant filed (PA8) and south of the measurement site was a vacant field (PA10). To the west of the measurement site was a vacant filed (PA6), but slightly south of PA6 on PA5 about 180 feet from the measurement site was a shop/warehouse where people were working. Music that was playing at the warehouse was audible. Local traffic accounted for some of the noise at this site, although the traffic volume wasn't high, so birds could be heard chirping. A helicopter flew near this site, as did a small plane, although both of these were minor noise events, and the sound that they generated did not significantly change the ambient noise level. Dogs that were at the warehouse started yipping. This sound generated the highest noise level recorded at this site; the Lmax was 71.5 dBA. This site had an Leq of 57.9 dBA.

Site 15: Rialto City Park

Cattycorner to PA6 at the northwest border of the project site is Rialto City Park. Within the boundary of Rialto City Park about 300 feet north of San Bernardino Avenue and about 750 feet west of Sycamore Avenue is the location of this measurement site. There were a number of noise sources at this site. Some of the noises included car doors slamming, aircraft flyovers, voices and a train horn. The train horn blew 22 times during a 14-minute period. There was a structure resembling a hanger/shelter located midway between the measurement site and San Bernardino Avenue. During the last five minutes of the measurement period, a group of skateboarders congregated under the shelter, started talking and making noise on a nearly continuous basis. It was during this period that the highest noise level occurred. An Lmax of 65.4 dBA was recorded, although it was the 2nd lowest Lmax of all measurement sites. Despite all of the apparent perceived racket that was produced by the skateboarders, the Leq, which measured 50.8 dBA, was also the 2nd lowest of all measurement sites.

APPENDIX B

Road Volumes, Speed and Mix

Table Appendix B-1

Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)

No.	Road Segment	SPEED (mph)	Existing Year 2014	Without Project Year 2016	With Project Year 2016	Without Project Year 2035	With Project Year 2035
	Agua Mansa Road						
1	West of Main Street	45	7.0	8.2	8.9	13.1	13.8
2	East of Main Street	45	0.9	1.6	1.6	5.9	5.9
3	East of S Rancho Avenue	45	6.9	7.5	8.2	11.5	12.2
	Baseline Road						
4	West of Riverside Avenue	40	16.0	16.5	16.5	18.0	18.0
5	East of Riverside Avenue	40	17.5	17.7	17.7	19.3	19.3
6	West of Pepper Avenue	40	15.0	15.2	15.9	16.8	17.5
7	East of Pepper Avenue	40	12.8	13.0	13.5	14.1	14.6
	Bloomington Avenue						
8	West of Cedar Avenue	40	29.5	30.8	30.8	38.7	40.0
9	East of Cedar Avenue	40	9.4	10.7	11.2	18.6	19.1
10	West of Riverside Avenue	40	7.4	8.0	8.0	5.1	5.1
	C Street						
11	Meridian Avenue to Hermosa Avenue	30	2.6	2.8	2.8	4.2	4.2
	Cedar Avenue						
12	North of Foothill Boulevard	40	24.0	24.3	24.8	26.4	26.9
13	South of Foothill Boulevard	40	23.0	23.4	23.4	26.0	26.0
14	North of Rialto Avenue	40	19.6	23.4	23.4	26.0	26.0
15	South of Rialto Avenue	40	20.8	21.5	21.5	25.9	25.9
16	North of San Bernardino Avenue	40	20.8	21.1	21.7	23.1	23.7
17	San Bernardino Avenue to Valley Boulevard	40	22.3	22.6	23.5	24.5	25.4
18	Valley Boulevard to I-10 Freeway	40	40.6	44.5	45.9	52.0	53.4
19	I-10 Freeway to Slover Avenue	40	24.0	24.8	25.7	29.9	30.8

Table Appendix B-1							
Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)							
20	South of Slover Avenue	40	20.6	20.9	21.6	22.7	23.4
	Columbia Avenue						
21	East of Riverside Drive	40	11.2	11.4	11.7	12.3	12.6
	Etiwanda Avenue						
22	West of Riverside Avenue	30	3.4	3.5	3.5	4.2	4.2
23	East of Riverside Avenue	30	3.3	3.4	3.4	4.3	4.3
	Foothill Boulevard						
24	West of Cedar Avenue	40	25.7	26.5	27.0	31.5	32.0
25	East of Cedar Avenue	40	24.5	25.4	26.4	30.8	31.8
26	West of Riverside Avenue	40	23.0	23.7	24.8	28.2	29.2
27	East of Riverside Avenue	40	25.2	26.4	27.4	34.4	35.4
28	West of Pepper Avenue	40	18.7	20.0	21.6	28.5	30.1
29	East of Pepper Avenue	40	18.7	19.1	19.8	21.5	22.2
	Hermosa Avenue						
30	C Street to Valley Boulevard	25	0.20	0.20	0.20	0.20	0.20
	Highland Avenue						
31	West of Pepper Avenue	35	11.7	11.9	13.3	12.9	14.3
32	East of Pepper Avenue	35	11.7	13.8	13.8	27.4	27.4
	Jurupa Avenue						
33	Willow Avenue to Riverside Avenue	40	3.0	3.2	3.2	4.6	4.6
	La Cadena Drive						
34	North of Rancho Avenue	50	9.1	10.1	10.1	16.1	16.1
35	South of Rancho Avenue	50	18.1	19.9	21.6	31.3	33.0
36	North of I-215 Freeway	50	10.0	11.0	12.2	17.3	18.5
37	South of I-215 Freeway	50	13.4	14.0	14.0	17.4	17.4
	Main Street						
38	Placentia Lane to Columbia Avenue	45	19.8	21.1	23.2	29.3	31.4
39	Columbia Avenue to SR-60 Freeway	45	19.1	21.3	23.2	35.0	36.9

Table Appendix B-1							
Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)							
40	South of SR-60	45	16.6	16.8	17.0	18.3	18.5
	Meridian Avenue						
41	North of Olive Street	40	6.6	6.7	8.0	7.3	8.6
42	South of Olive Street	40	6.5	6.6	8.7	7.6	9.7
43	North of Valley Boulevard	40	6.2	6.3	18.2	7.2	19.1
	Merill Avenue						
44	West of Riverside Avenue	35	3.8	4.2	4.4	13.5	13.7
45	Riverside Avenue to Acacia Avenue	35	12.6	12.8	12.8	14.2	14.2
46	Acacia Avenue to Pepper Avenue	35	6.8	6.9	29.0	7.5	9.6
	Mill Avenue						
47	East of Pepper Avenue	35	8.4	8.5	9.5	9.2	10.2
	Mount Vernon Avenue						
48	Fairway Drive to Valley Boulevard	35	15.1	15.8	18.0	20.2	22.4
49	I-10 Freeway to M Street	35	22.3	22.9	22.9	26.6	26.6
	Olive Street						
50	West of Rancho Avenue	35	3.8	3.9	7.7	4.2	8.0
51	East of Rancho Avenue	35	2.2	2.3	5.2	2.7	5.6
	Pepper Avenue						
52	SR-210 Freeway to Baseline Road	50	1.8	2.9	5.4	21.1	23.6
53	Baseline Road to Etiwanda Avenue	50	7.5	8.7	14.3	16.2	21.8
54	Etiwanda Avenue to Foothill Boulevard	50	9.0	10.1	16.2	17.0	23.1
55	Foothill Boulevard to Rialto Avenue	50	16.0	16.7	25.1	21.0	29.4
56	Rialto Avenue to Merill Avenue	50	19.3	19.6	29.9	21.2	31.5
57	Merill Avenue to Randall Avenue	50	14.9	15.1	28.5	16.4	16.4
58	Randall Avenue to San Bernardino Avenue	50	17.7	18.0	32.6	19.6	34.2
59	San Bernardino Avenue to Violet Street	50	19.3	19.6	36.7	21.8	38.9
60	Violet Street to Hospital Entrance	50	19.3	19.4	37.2	21.6	39.4
61	Hospital Entrance to Valley Boulevard	50	21.1	21.5	37.3	23.7	39.6

Table Appendix B-1							
Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)							
62	Valley Boulevard to I-10 Freeway	50	17.4	17.8	41.6	20.6	44.3
63	South of I-10 Freeway	50	14.4	14.6	14.6	15.8	15.8
	Rancho Avenue						
64	North of Olive Street	45	14.4	14.8	15.8	17.1	18.1
65	Olive Street to C Street	45	14.9	15.3	15.4	17.8	17.9
66	North of Valley Boulevard	45	15.5	15.9	16.2	18.7	19.0
67	I-10 Freeway to 3rd Street	45	18.6	19.3	21.7	23.5	25.9
68	3rd Street to Agua Mansa Road	45	13.8	14.4	16.8	18.1	20.5
69	Agua Mansa Road to La Cadena Drive	45	9.6	10.5	12.2	15.9	17.6
	Rialto Avenue						
70	West of Cedar Avenue	25	9.8	9.9	27.0	31.5	11.3
71	Cedar Avenue to Cactus Avenue	25	7.6	7.7	26.4	30.8	8.9
72	Cactus Avenue to Riverside Avenue	25	5.8	6.1	24.8	28.2	8.3
73	Riverside Avenue to Acacia Avenue	25	4.0	4.3	27.4	34.4	6.1
74	Acacia Avenue to Pepper Avenue	25	7.9	8.4	21.6	28.5	12.9
75	East of Pepper Avenue	25	11.9	12.1	19.8	21.5	13.8
	Riverside Avenue						
76	North of Baseline Road	45	20.7	21.0	21.0	22.8	22.8
77	Baseline Road to Etiwanda Avenue	30	18.9	19.2	19.2	20.8	20.9
78	Etiwanda Avenue to Foothill Boulevard	30	19.0	19.3	19.4	20.9	21.4
79	Foothill Boulevard to Rialto Avenue	30	17.0	18.0	18.8	25.3	26.1
80	Rialto Avenue to Merill Avenue	30	18.6	19.8	21.3	27.5	29.0
81	Merill Avenue to Randall Avenue	40	15.6	16.4	18.2	21.47	23.2
82	Randall Avenue to San Bernardino Avenue	40	18.4	19.4	21.7	25.7	27.5
83	San Bernardino Avenue to Value Center	40	23.6	24.9	27.2	33.0	35.3
84	Value Center to Valley Boulevard	40	22.7	24.0	26.3	32.0	34.3
85	Valley Boulevard to I-10 Freeway	40	32.7	34.7	42.9	47.4	55.6
86	I-10 Freeway to Slover Avenue	40	27.0	28.9	32.1	41.0	41.2

Table Appendix B-1							
Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)							
87	Slover Avenue to Jurupa Avenue	50	19.9	21.8	24.8	33.8	36.8
88	Jurupa Avenue to Agua Mansa Road	50	20.6	22.7	25.6	35.8	38.7
89	Agua Mansa Road to Placentia Lane	50	9.7	11.6	13.8	23.8	26.0
	San Bernardino Avenue						
90	West of Cedar Avenue	35	5.0	5.1	6.6	5.5	7.0
91	Cedar Avenue to Cactus Avenue	35	4.8	5.1	7.2	7.1	9.2
92	Cactus Avenue to Riverside Avenue	35	5.3	5.6	8.4	7.3	10.1
93	Riverside Avenue to Wildrose Avenue	35	8.3	8.7	11.2	11.1	13.6
94	Wildrose Avenue to Indigo Avenue	35	6.6	6.8	10.6	8.0	10.5
95	Indigo Avenue to N Eucalyptus Avenue	35	6.7	6.9	9.4	7.9	11.7
96	N Eucalyptus Avenue to Pepper Avenue	35	6.9	7.1	11.4	7.0	13.6
97	Pepper Avenue to Meridian Avenue	35	5.7	5.9	10.7	8.2	13.6
	Slover Avenue						
98	West of Cedar Avenue	40	6.5	7.9	8.1	17.1	17.3
99	East of Cedar Avenue	40	5.2	7.8	7.8	24.5	24.5
	Valley Boulevard						
100	West of Cedar Avenue	45	21.7	22.0	23.6	23.9	25.5
101	Cedar Avenue to Cactus Avenue	45	13.8	14.0	17.0	15.2	18.2
102	Cactus Avenue to Riverside Avenue	45	16.0	16.6	20.0	20.2	23.6
103	Riverside Avenue to Wildrose Avenue	45	11.6	11.9	25.8	13.6	27.5
104	Wildrose Avenue to Eucalyptus Avenue	45	8.8	9.1	24.5	11.2	26.6
105	Eucalyptus Avenue to Pepper Avenue	45	16.7	17.0	37.5	18.8	39.3
106	Pepper Avenue to Meridian Avenue	45	18.4	18.7	37.3	20.2	38.8
107	Meridian Avenue to Hermosa Avenue	45	8.8	9.0	15.0	10.3	16.3
108	Hermosa Avenue to Rancho Avenue	45	11.3	11.5	17.5	13.0	19.0
109	Rancho Avenue to La Cadena Drive	45	9.2	9.3	12.4	10.1	13.1
110	La Cadena Drive to Mount Vernon Avenue	45	11.6	11.8	14.9	12.8	15.1
	Wildrose Avenue						

Table Appendix B-1							
Traffic Volumes Used for Noise Modeling (ADT's in units of 1,000's)							
111	North of Valley Boulevard	25	4.0	4.1	12.6	4.8	13.3
	Interstate 10 Freeway						
112	Riverside Avenue to Rancho Avenue						

Table Appendix B-2			
Traffic Vehicle Mix Used For Noise Modeling			
Interstate 10	Day	Evening	Night
Auto	61.07	11.81	17.12
Medium Truck	1.66	0.32	0.47
Heavy Truck	5.12	0.99	1.44
Roadways Designated as Major or Arterial			
Auto	69.5	12.9	9.6
Medium Truck	1.44	0.06	1.5
Heavy Truck	2.4	0.1	2.5
Roadways Designated as Secondary, Collector or Smaller			
Auto	73.6	13.6	10.22
Medium Truck	0.9	0.04	0.9
Heavy Truck	0.35	0.04	0.35

APPENDIX C

FHWA Traffic Noise Prediction Model
– FHWA-RD-77-108 Output

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **West of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	7000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.71	4.20	7.00	37.63	0.18	0.29	28.00	4.38	7.29	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	16.23	-0.61	1.61	8.92	-14.41	-12.19	7.63	-0.43	1.79		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.04
LEQ	57.50	48.94	55.67	50.18	35.13	41.87	48.90	49.11	55.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.04		EVENING LEQ	50.90		NIGHT LEQ	57.35		Use hour?	no
										GRADE dB	0.00
	CNEL		64.14								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **West of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	237.46	4.92	8.20	44.08	0.21	0.34	32.80	5.13	8.54	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	16.92	0.08	2.30	9.60	-13.72	-11.50	8.32	0.26	2.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.82
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.73
LEQ	58.18	49.62	56.36	50.87	35.82	42.56	49.59	49.80	56.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.73		EVENING LEQ	51.58		NIGHT LEQ	58.04		Use hour?	no
										GRADE dB	0.00
	CNEL		64.82								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **West of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	257.73	5.34	8.90	47.84	0.22	0.37	35.60	5.56	9.27	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.27	0.44	2.66	9.96	-13.36	-11.15	8.68	0.61	2.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.18
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.08
LEQ	58.54	49.98	56.72	51.22	36.18	42.92	49.94	50.16	56.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.08		EVENING LEQ	51.94		NIGHT LEQ	58.40		Use hour?	no
										GRADE dB	0.00
	CNEL		65.18								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **West of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	13100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	379.35	7.86	13.10	70.41	0.33	0.55	52.40	8.19	13.65	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.95	2.12	4.33	11.64	-11.69	-9.47	10.36	2.29	4.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.86
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.76
LEQ	60.22	51.66	58.40	52.90	37.86	44.59	51.62	51.84	58.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.76		EVENING LEQ	53.62		NIGHT LEQ	60.08		Use hour?	no
										GRADE dB	0.00
	CNEL		66.86								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **West of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	13800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.18	2.34	4.56	11.86	-11.46	-9.24	10.58	2.52	4.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.44	51.88	58.62	53.13	38.08	44.82	51.85	52.06	58.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.84		NIGHT LEQ	60.30		Use hour?	no
										GRADE dB	0.00
	CNEL		67.09								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	7000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.71	4.20	7.00	37.63	0.18	0.29	28.00	4.38	7.29	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	16.23	-0.61	1.61	8.92	-14.41	-12.19	7.63	-0.43	1.79		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.04
LEQ	57.50	48.94	55.67	50.18	35.13	41.87	48.90	49.11	55.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.04		EVENING LEQ	50.90		NIGHT LEQ	57.35		Use hour?	no
										GRADE dB	0.00
	CNEL		64.14								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	237.46	4.92	8.20	44.08	0.21	0.34	32.80	5.13	8.54	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	16.92	0.08	2.30	9.60	-13.72	-11.50	8.32	0.26	2.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.82
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.73
LEQ	58.18	49.62	56.36	50.87	35.82	42.56	49.59	49.80	56.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.73		EVENING LEQ	51.58		NIGHT LEQ	58.04		Use hour?	no
										GRADE dB	0.00
	CNEL		64.82								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	257.73	5.34	8.90	47.84	0.22	0.37	35.60	5.56	9.27	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.27	0.44	2.66	9.96	-13.36	-11.15	8.68	0.61	2.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.18
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.08
LEQ	58.54	49.98	56.72	51.22	36.18	42.92	49.94	50.16	56.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.08		EVENING LEQ	51.94		NIGHT LEQ	58.40		Use hour?	no
										GRADE dB	0.00
	CNEL		65.18								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	13100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	379.35	7.86	13.10	70.41	0.33	0.55	52.40	8.19	13.65	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.95	2.12	4.33	11.64	-11.69	-9.47	10.36	2.29	4.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.86
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.76
LEQ	60.22	51.66	58.40	52.90	37.86	44.59	51.62	51.84	58.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.76		EVENING LEQ	53.62		NIGHT LEQ	60.08		Use hour?	no
										GRADE dB	0.00
	CNEL		66.86								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	13800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.18	2.34	4.56	11.86	-11.46	-9.24	10.58	2.52	4.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.44	51.88	58.62	53.13	38.08	44.82	51.85	52.06	58.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.84		NIGHT LEQ	60.30		Use hour?	no
										GRADE dB	0.00
	CNEL		67.09								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	900.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	26.06	0.54	0.90	4.84	0.02	0.04	3.60	0.56	0.94	% A	90.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	7.55
ADJUSTMENTS											
Flow	7.32	-9.51	-7.30	0.01	-23.32	-21.10	-1.27	-9.34	-7.12		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	55.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	51.13
LEQ	48.59	40.03	46.77	41.27	26.23	32.96	39.99	40.21	46.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	51.13		EVENING LEQ	41.99		NIGHT LEQ	48.45		Use hour?	no
										GRADE dB	0.00
	CNEL		55.23								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	1600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	46.33	0.96	1.60	8.60	0.04	0.07	6.40	1.00	1.67	% A	90.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	7.55
ADJUSTMENTS											
Flow	9.82	-7.02	-4.80	2.51	-20.82	-18.60	1.22	-6.84	-4.62		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.63
LEQ	51.09	42.53	49.26	43.77	28.72	35.46	42.49	42.70	49.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.63		EVENING LEQ	44.49		NIGHT LEQ	50.95		Use hour?	no
										GRADE dB	0.00
	CNEL		57.73								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	1600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	46.33	0.96	1.60	8.60	0.04	0.07	6.40	1.00	1.67	% A	90.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	7.55
ADJUSTMENTS											
Flow	9.82	-7.02	-4.80	2.51	-20.82	-18.60	1.22	-6.84	-4.62		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.63
LEQ	51.09	42.53	49.26	43.77	28.72	35.46	42.49	42.70	49.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.63		EVENING LEQ	44.49		NIGHT LEQ	50.95		Use hour?	no
										GRADE dB	0.00
	CNEL		57.73								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	5900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	170.85	3.54	5.90	31.71	0.15	0.25	23.60	3.69	6.15	% A	90.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	7.55
ADJUSTMENTS											
Flow	15.49	-1.35	0.87	8.17	-15.15	-12.93	6.89	-1.17	1.05		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.40
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.30
LEQ	56.75	48.19	54.93	49.44	34.39	41.13	48.16	48.37	55.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.30		EVENING LEQ	50.15		NIGHT LEQ	56.61		Use hour?	no
										GRADE dB	0.00
	CNEL		63.40								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Agua Mansa Road**

Segment: **East of Main Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	5900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	170.85	3.54	5.90	31.71	0.15	0.25	23.60	3.69	6.15	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	15.49	-1.35	0.87	8.17	-15.15	-12.93	6.89	-1.17	1.05		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.40
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.30
LEQ	56.75	48.19	54.93	49.44	34.39	41.13	48.16	48.37	55.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.30		EVENING LEQ	50.15		NIGHT LEQ	56.61		Use hour?	no
										GRADE dB	0.00
	CNEL		63.40								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	407.13	11.07	34.13	78.73	2.13	6.60	114.13	3.13	9.60	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.77	4.11	9.01	12.64	-3.04	1.87	14.25	-1.37	3.50		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.26
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.14
LEQ	59.05	52.35	62.08	51.91	45.20	54.95	53.53	46.87	56.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.14		EVENING LEQ	57.00		NIGHT LEQ	58.62		Use hour?	no
										GRADE dB	0.00
	CNEL		66.26								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	477.81	9.90	16.50	88.69	0.41	0.69	66.00	10.31	17.19	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.47	3.63	5.85	13.15	-10.17	-7.95	11.87	3.81	6.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.74
LEQ	59.75	51.86	58.93	52.43	38.06	45.13	51.15	52.04	59.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.74		EVENING LEQ	53.30		NIGHT LEQ	60.43		Use hour?	no
										GRADE dB	0.00
	CNEL		67.13								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	477.81	9.90	16.50	88.69	0.41	0.69	66.00	10.31	17.19	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.47	3.63	5.85	13.15	-10.17	-7.95	11.87	3.81	6.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.74
LEQ	59.75	51.86	58.93	52.43	38.06	45.13	51.15	52.04	59.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.74		EVENING LEQ	53.30		NIGHT LEQ	60.43		Use hour?	no
										GRADE dB	0.00
	CNEL		67.13								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	521.25	10.80	18.00	96.75	0.45	0.75	72.00	11.25	18.75	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.84	4.01	6.23	13.53	-9.79	-7.58	12.25	4.19	6.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.11
LEQ	60.12	52.24	59.31	52.81	38.44	45.50	51.53	52.42	59.48	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.11		EVENING LEQ	53.68		NIGHT LEQ	60.81		Use hour?	no
										GRADE dB	0.00
	CNEL		67.51								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	521.25	10.80	18.00	96.75	0.45	0.75	72.00	11.25	18.75	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.84	4.01	6.23	13.53	-9.79	-7.58	12.25	4.19	6.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.11
LEQ	60.12	52.24	59.31	52.81	38.44	45.50	51.53	52.42	59.48	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.11		EVENING LEQ	53.68		NIGHT LEQ	60.81		Use hour?	no
										GRADE dB	0.00
	CNEL		67.51								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	506.77	10.50	17.50	94.06	0.44	0.73	70.00	10.94	18.23	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.72	3.89	6.10	13.41	-9.92	-7.70	12.12	4.06	6.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.38
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.00	52.12	59.18	52.69	38.32	45.38	51.40	52.30	59.36	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.56		NIGHT LEQ	60.69		Use hour?	no
										GRADE dB	0.00
	CNEL		67.38								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	512.56	10.62	17.70	95.14	0.44	0.74	70.80	11.06	18.44	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.77	3.93	6.15	13.46	-9.87	-7.65	12.17	4.11	6.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.04
LEQ	60.05	52.17	59.23	52.74	38.37	45.43	51.45	52.34	59.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.04		EVENING LEQ	53.61		NIGHT LEQ	60.73		Use hour?	no
										GRADE dB	0.00
	CNEL		67.43								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	512.56	10.62	17.70	95.14	0.44	0.74	70.80	11.06	18.44	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.77	3.93	6.15	13.46	-9.87	-7.65	12.17	4.11	6.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.04
LEQ	60.05	52.17	59.23	52.74	38.37	45.43	51.45	52.34	59.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.04		EVENING LEQ	53.61		NIGHT LEQ	60.73		Use hour?	no
										GRADE dB	0.00
	CNEL		67.43								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.15	4.31	6.53	13.83	-9.49	-7.27	12.55	4.49	6.71		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.81
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.42
LEQ	60.43	52.54	59.61	53.11	38.74	45.81	51.83	52.72	59.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.42		EVENING LEQ	53.98		NIGHT LEQ	61.11		Use hour?	no
										GRADE dB	0.00
	CNEL		67.81								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.15	4.31	6.53	13.83	-9.49	-7.27	12.55	4.49	6.71		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.81
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.42
LEQ	60.43	52.54	59.61	53.11	38.74	45.81	51.83	52.72	59.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.42		EVENING LEQ	53.98		NIGHT LEQ	61.11		Use hour?	no
										GRADE dB	0.00
	CNEL		67.81								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	434.38	9.00	15.00	80.63	0.38	0.63	60.00	9.38	15.63	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.05	3.22	5.43	12.74	-10.59	-8.37	11.46	3.39	5.61		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.32
LEQ	59.33	51.45	58.51	52.02	37.65	44.71	50.73	51.63	58.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.32		EVENING LEQ	52.89		NIGHT LEQ	60.02		Use hour?	no
										GRADE dB	0.00
	CNEL		66.72								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	440.17	9.12	15.20	81.70	0.38	0.63	60.80	9.50	15.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.11	3.27	5.49	12.80	-10.53	-8.31	11.51	3.45	5.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.38
LEQ	59.39	51.51	58.57	52.08	37.70	44.77	50.79	51.68	58.75	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.38		EVENING LEQ	52.95		NIGHT LEQ	60.07		Use hour?	no
										GRADE dB	0.00
	CNEL		66.77								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	460.44	9.54	15.90	85.46	0.40	0.66	63.60	9.94	16.56	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.31	3.47	5.69	12.99	-10.33	-8.11	11.71	3.65	5.86		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.58
LEQ	59.58	51.70	58.77	52.27	37.90	44.96	50.99	51.88	58.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.58		EVENING LEQ	53.14		NIGHT LEQ	60.27		Use hour?	no
										GRADE dB	0.00
	CNEL		66.97								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	486.50	10.08	16.80	90.30	0.42	0.70	67.20	10.50	17.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.54	3.71	5.93	13.23	-10.09	-7.88	11.95	3.89	6.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.21
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.81
LEQ	59.82	51.94	59.01	52.51	38.14	45.20	51.23	52.12	59.18	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.81		EVENING LEQ	53.38		NIGHT LEQ	60.51		Use hour?	no
										GRADE dB	0.00
	CNEL		67.21								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	506.77	10.50	17.50	94.06	0.44	0.73	70.00	10.94	18.23	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.72	3.89	6.10	13.41	-9.92	-7.70	12.12	4.06	6.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.38
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.00	52.12	59.18	52.69	38.32	45.38	51.40	52.30	59.36	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.56		NIGHT LEQ	60.69		Use hour?	no
										GRADE dB	0.00
	CNEL		67.38								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	370.67	7.68	12.80	68.80	0.32	0.53	51.20	8.00	13.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.36	2.53	4.75	12.05	-11.27	-9.06	10.77	2.70	4.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.63
LEQ	58.64	50.76	57.82	51.33	36.96	44.02	50.05	50.94	58.00	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.63		EVENING LEQ	52.20		NIGHT LEQ	59.33		Use hour?	no
										GRADE dB	0.00
	CNEL		66.03								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	376.46	7.80	13.00	69.88	0.33	0.54	52.00	8.13	13.54	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.43	2.59	4.81	12.12	-11.21	-8.99	10.83	2.77	4.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.70
LEQ	58.71	50.83	57.89	51.40	37.02	44.09	50.11	51.00	58.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.70		EVENING LEQ	52.27		NIGHT LEQ	59.39		Use hour?	no
										GRADE dB	0.00
	CNEL		66.09								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	390.94	8.10	13.50	72.56	0.34	0.56	54.00	8.44	14.06	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.59	2.76	4.98	12.28	-11.04	-8.83	11.00	2.94	5.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.26
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.87
LEQ	58.87	50.99	58.06	51.56	37.19	44.25	50.28	51.17	58.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.87		EVENING LEQ	52.43		NIGHT LEQ	59.56		Use hour?	no
										GRADE dB	0.00
	CNEL		66.26								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	408.31	8.46	14.10	75.79	0.35	0.59	56.40	8.81	14.69	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.78	2.95	5.17	12.47	-10.85	-8.64	11.19	3.12	5.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.45
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.05
LEQ	59.06	51.18	58.24	51.75	37.38	44.44	50.47	51.36	58.42	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.05		EVENING LEQ	52.62		NIGHT LEQ	59.75		Use hour?	no
										GRADE dB	0.00
	CNEL		66.45								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Baseline Road**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	422.79	8.76	14.60	78.48	0.37	0.61	58.40	9.13	15.21	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.93	3.10	5.32	12.62	-10.70	-8.49	11.34	3.28	5.49		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.60
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.21
LEQ	59.21	51.33	58.40	51.90	37.53	44.59	50.62	51.51	58.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.21		EVENING LEQ	52.77		NIGHT LEQ	59.90		Use hour?	no
										GRADE dB	0.00
	CNEL		66.60								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	29500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	854.27	17.70	29.50	158.56	0.74	1.23	118.00	18.44	30.73	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.99	6.15	8.37	15.68	-7.65	-5.43	14.39	6.33	8.55		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.26
LEQ	62.27	54.39	61.45	54.96	40.58	47.65	53.67	54.56	61.63	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.26		EVENING LEQ	55.83		NIGHT LEQ	62.95		Use hour?	no
										GRADE dB	0.00
	CNEL		69.65								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	30800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	891.92	18.48	30.80	165.55	0.77	1.28	123.20	19.25	32.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.18	6.34	8.56	15.86	-7.46	-5.24	14.58	6.52	8.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.45
LEQ	62.46	54.57	61.64	55.14	40.77	47.84	53.86	54.75	61.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.45		EVENING LEQ	56.01		NIGHT LEQ	63.14		Use hour?	no
										GRADE dB	0.00
	CNEL		69.84								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	30800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	891.92	18.48	30.80	165.55	0.77	1.28	123.20	19.25	32.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.18	6.34	8.56	15.86	-7.46	-5.24	14.58	6.52	8.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.45
LEQ	62.46	54.57	61.64	55.14	40.77	47.84	53.86	54.75	61.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.45		EVENING LEQ	56.01		NIGHT LEQ	63.14		Use hour?	no
										GRADE dB	0.00
	CNEL		69.84								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	38700.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1120.69	23.22	38.70	208.01	0.97	1.61	154.80	24.19	40.31	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.17	7.33	9.55	16.85	-6.47	-4.25	15.57	7.51	9.73		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.83
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.44
LEQ	63.45	55.56	62.63	56.13	41.76	48.83	54.85	55.74	62.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.44		EVENING LEQ	57.01		NIGHT LEQ	64.13		Use hour?	no
										GRADE dB	0.00
	CNEL		70.83								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	40000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1158.33	24.00	40.00	215.00	1.00	1.67	160.00	25.00	41.67	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.31	7.48	9.69	17.00	-6.33	-4.11	15.71	7.65	9.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.98
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.58
LEQ	63.59	55.71	62.77	56.28	41.91	48.97	54.99	55.89	62.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.58		EVENING LEQ	57.15		NIGHT LEQ	64.28		Use hour?	no
										GRADE dB	0.00
	CNEL		70.98								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	272.21	5.64	9.40	50.53	0.24	0.39	37.60	5.88	9.79	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.02	1.19	3.40	10.71	-12.62	-10.40	9.43	1.36	3.58		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.69
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.29
LEQ	57.30	49.42	56.48	49.99	35.62	42.68	48.71	49.60	56.66	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.29		EVENING LEQ	50.86		NIGHT LEQ	57.99		Use hour?	no
										GRADE dB	0.00
	CNEL		64.69								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	309.85	6.42	10.70	57.51	0.27	0.45	42.80	6.69	11.15	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.59	1.75	3.97	11.27	-12.05	-9.83	9.99	1.93	4.14		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.25
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.86
LEQ	57.86	49.98	57.05	50.55	36.18	43.24	49.27	50.16	57.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.86		EVENING LEQ	51.42		NIGHT LEQ	58.55		Use hour?	no
										GRADE dB	0.00
	CNEL		65.25								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	324.33	6.72	11.20	60.20	0.28	0.47	44.80	7.00	11.67	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.78	1.95	4.17	11.47	-11.85	-9.64	10.19	2.12	4.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.45
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.05
LEQ	58.06	50.18	57.24	50.75	36.38	43.44	49.47	50.36	57.42	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.05		EVENING LEQ	51.62		NIGHT LEQ	58.75		Use hour?	no
										GRADE dB	0.00
	CNEL		65.45								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	538.63	11.16	18.60	99.98	0.47	0.78	74.40	11.63	19.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.99	4.15	6.37	13.67	-9.65	-7.43	12.39	4.33	6.55		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.26
LEQ	60.27	52.38	59.45	52.95	38.58	45.65	51.67	52.56	59.63	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.26		EVENING LEQ	53.82		NIGHT LEQ	60.95		Use hour?	no
										GRADE dB	0.00
	CNEL		67.65								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	553.10	11.46	19.10	102.66	0.48	0.80	76.40	11.94	19.90	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.10	4.27	6.48	13.79	-9.54	-7.32	12.50	4.44	6.66		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.37
LEQ	60.38	52.50	59.56	53.07	38.70	45.76	51.78	52.68	59.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.37		EVENING LEQ	53.94		NIGHT LEQ	61.07		Use hour?	no
										GRADE dB	0.00
	CNEL		67.76								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	7400.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	214.29	4.44	7.40	39.78	0.19	0.31	29.60	4.63	7.71	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	16.98	0.15	2.37	9.67	-13.65	-11.44	8.39	0.32	2.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.25
LEQ	56.26	48.38	55.45	48.95	34.58	41.64	47.67	48.56	55.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.25		EVENING LEQ	49.82		NIGHT LEQ	56.95		Use hour?	no
										GRADE dB	0.00
	CNEL		63.65								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	231.67	4.80	8.00	43.00	0.20	0.33	32.00	5.00	8.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.99
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.59
LEQ	56.60	48.72	55.78	49.29	34.92	41.98	48.00	48.90	55.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.59		EVENING LEQ	50.16		NIGHT LEQ	57.29		Use hour?	no
										GRADE dB	0.00
	CNEL		63.99								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	231.67	4.80	8.00	43.00	0.20	0.33	32.00	5.00	8.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.99
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.59
LEQ	56.60	48.72	55.78	49.29	34.92	41.98	48.00	48.90	55.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.59		EVENING LEQ	50.16		NIGHT LEQ	57.29		Use hour?	no
										GRADE dB	0.00
	CNEL		63.99								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	147.69	3.06	5.10	27.41	0.13	0.21	20.40	3.19	5.31	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	15.37	-1.47	0.75	8.05	-15.27	-13.05	6.77	-1.29	0.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.64
LEQ	54.65	46.76	53.83	47.33	32.96	40.03	46.05	46.94	54.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.64		EVENING LEQ	48.21		NIGHT LEQ	55.33		Use hour?	no
										GRADE dB	0.00
	CNEL		62.03								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Bloomington Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	147.69	3.06	5.10	27.41	0.13	0.21	20.40	3.19	5.31	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	15.37	-1.47	0.75	8.05	-15.27	-13.05	6.77	-1.29	0.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.64
LEQ	54.65	46.76	53.83	47.33	32.96	40.03	46.05	46.94	54.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.64		EVENING LEQ	48.21		NIGHT LEQ	55.33		Use hour?	no
										GRADE dB	0.00
	CNEL		62.03								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **C Street**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	79.73	0.98	0.38	14.73	0.04	0.04	11.07	0.98	0.38	% A	97.40
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	0.74
ADJUSTMENTS											
Flow	13.94	-5.19	-9.29	6.61	-18.71	-18.71	5.37	-5.19	-9.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	52.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	49.65
LEQ	48.37	39.85	41.39	41.04	26.33	31.97	39.80	39.85	41.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	49.65		EVENING LEQ	41.67		NIGHT LEQ	45.18		Use hour?	no
										GRADE dB	0.00
	CNEL		52.44								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **C Street**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	85.87	1.05	0.41	15.87	0.05	0.05	11.92	1.05	0.41	% A	97.40
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	0.74
ADJUSTMENTS											
Flow	14.26	-4.87	-8.97	6.93	-18.39	-18.39	5.69	-4.87	-8.97		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	52.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	49.97
LEQ	48.69	40.17	41.71	41.36	26.65	32.29	40.12	40.17	41.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	49.97		EVENING LEQ	42.00		NIGHT LEQ	45.50		Use hour?	no
										GRADE dB	0.00
	CNEL		52.77								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **C Street**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	85.87	1.05	0.41	15.87	0.05	0.05	11.92	1.05	0.41	% A	97.40
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	0.74
ADJUSTMENTS											
Flow	14.26	-4.87	-8.97	6.93	-18.39	-18.39	5.69	-4.87	-8.97		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	52.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	49.97
LEQ	48.69	40.17	41.71	41.36	26.65	32.29	40.12	40.17	41.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	49.97		EVENING LEQ	42.00		NIGHT LEQ	45.50		Use hour?	no
										GRADE dB	0.00
	CNEL		52.77								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **C Street**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	128.80	1.58	0.61	23.80	0.07	0.07	17.89	1.58	0.61	% A	97.40
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	0.74
ADJUSTMENTS											
Flow	16.02	-3.10	-7.21	8.69	-16.63	-16.63	7.45	-3.10	-7.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	54.53
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	51.73
LEQ	50.45	41.93	43.47	43.12	28.41	34.05	41.88	41.93	43.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	51.73		EVENING LEQ	43.76		NIGHT LEQ	47.26		Use hour?	no
										GRADE dB	0.00
	CNEL		54.53								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **C Street**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	128.80	1.58	0.61	23.80	0.07	0.07	17.89	1.58	0.61	% A	97.40
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	0.74
ADJUSTMENTS											
Flow	16.02	-3.10	-7.21	8.69	-16.63	-16.63	7.45	-3.10	-7.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	54.53
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	51.73
LEQ	50.45	41.93	43.47	43.12	28.41	34.05	41.88	41.93	43.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	51.73		EVENING LEQ	43.76		NIGHT LEQ	47.26		Use hour?	no
										GRADE dB	0.00
	CNEL		54.53								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	2400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	69.50	1.44	2.40	12.90	0.06	0.10	9.60	1.50	2.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	12.09	-4.74	-2.52	4.78	-18.54	-16.33	3.50	-4.57	-2.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.36
LEQ	51.37	43.49	50.55	44.06	29.69	36.75	42.78	43.67	50.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.36		EVENING LEQ	44.93		NIGHT LEQ	52.06		Use hour?	no
										GRADE dB	0.00
	CNEL		58.76								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	24300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	703.69	14.58	24.30	130.61	0.61	1.01	97.20	15.19	25.31	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.15	5.31	7.53	14.83	-8.49	-6.27	13.55	5.49	7.71		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.81
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.42
LEQ	61.43	53.54	60.61	54.11	39.74	46.81	52.83	53.72	60.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.42		EVENING LEQ	54.99		NIGHT LEQ	62.11		Use hour?	no
										GRADE dB	0.00
	CNEL		68.81								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	24800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	718.17	14.88	24.80	133.30	0.62	1.03	99.20	15.50	25.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.24	5.40	7.62	14.92	-8.40	-6.18	13.64	5.58	7.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.90
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.51
LEQ	61.52	53.63	60.70	54.20	39.83	46.90	52.92	53.81	60.87	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.51		EVENING LEQ	55.07		NIGHT LEQ	62.20		Use hour?	no
										GRADE dB	0.00
	CNEL		68.90								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	26400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	764.50	15.84	26.40	141.90	0.66	1.10	105.60	16.50	27.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.51	5.67	7.89	15.19	-8.13	-5.91	13.91	5.85	8.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.17
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.78
LEQ	61.79	53.90	60.97	54.47	40.10	47.17	53.19	54.08	61.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.78		EVENING LEQ	55.35		NIGHT LEQ	62.47		Use hour?	no
										GRADE dB	0.00
	CNEL		69.17								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	26900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	778.98	16.14	26.90	144.59	0.67	1.12	107.60	16.81	28.02	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.59	5.75	7.97	15.27	-8.05	-5.83	13.99	5.93	8.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.25
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.86
LEQ	61.87	53.98	61.05	54.55	40.18	47.25	53.27	54.16	61.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.86		EVENING LEQ	55.43		NIGHT LEQ	62.55		Use hour?	no
										GRADE dB	0.00
	CNEL		69.25								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	666.04	13.80	23.00	123.63	0.58	0.96	92.00	14.38	23.96	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.91	5.07	7.29	14.59	-8.73	-6.51	13.31	5.25	7.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.18
LEQ	61.19	53.30	60.37	53.87	39.50	46.57	52.59	53.48	60.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.18		EVENING LEQ	54.75		NIGHT LEQ	61.87		Use hour?	no
										GRADE dB	0.00
	CNEL		68.57								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	677.63	14.04	23.40	125.78	0.59	0.98	93.60	14.63	24.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.98	5.15	7.37	14.67	-8.65	-6.44	13.39	5.32	7.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.25
LEQ	61.26	53.38	60.44	53.95	39.58	46.64	52.67	53.56	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.25		EVENING LEQ	54.82		NIGHT LEQ	61.95		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	677.63	14.04	23.40	125.78	0.59	0.98	93.60	14.63	24.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.98	5.15	7.37	14.67	-8.65	-6.44	13.39	5.32	7.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.25
LEQ	61.26	53.38	60.44	53.95	39.58	46.64	52.67	53.56	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.25		EVENING LEQ	54.82		NIGHT LEQ	61.95		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	26000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	752.92	15.60	26.00	139.75	0.65	1.08	104.00	16.25	27.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.44	5.60	7.82	15.13	-8.20	-5.98	13.84	5.78	8.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.71
LEQ	61.72	53.84	60.90	54.41	40.04	47.10	53.12	54.01	61.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.71		EVENING LEQ	55.28		NIGHT LEQ	62.40		Use hour?	no
										GRADE dB	0.00
	CNEL		69.10								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	26000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	752.92	15.60	26.00	139.75	0.65	1.08	104.00	16.25	27.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.44	5.60	7.82	15.13	-8.20	-5.98	13.84	5.78	8.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.71
LEQ	61.72	53.84	60.90	54.41	40.04	47.10	53.12	54.01	61.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.71		EVENING LEQ	55.28		NIGHT LEQ	62.40		Use hour?	no
										GRADE dB	0.00
	CNEL		69.10								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	567.58	11.76	19.60	105.35	0.49	0.82	78.40	12.25	20.42	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.21	4.38	6.60	13.90	-9.42	-7.21	12.62	4.55	6.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.48
LEQ	60.49	52.61	59.68	53.18	38.81	45.87	51.90	52.79	59.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.48		EVENING LEQ	54.05		NIGHT LEQ	61.18		Use hour?	no
										GRADE dB	0.00
	CNEL		67.88								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	677.63	14.04	23.40	125.78	0.59	0.98	93.60	14.63	24.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.98	5.15	7.37	14.67	-8.65	-6.44	13.39	5.32	7.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.25
LEQ	61.26	53.38	60.44	53.95	39.58	46.64	52.67	53.56	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.25		EVENING LEQ	54.82		NIGHT LEQ	61.95		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	677.63	14.04	23.40	125.78	0.59	0.98	93.60	14.63	24.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.98	5.15	7.37	14.67	-8.65	-6.44	13.39	5.32	7.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.25
LEQ	61.26	53.38	60.44	53.95	39.58	46.64	52.67	53.56	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.25		EVENING LEQ	54.82		NIGHT LEQ	61.95		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	752.92	15.60	26.00	139.75	0.65	1.08	104.00	16.25	27.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.44	5.60	7.82	15.13	-8.20	-5.98	13.84	5.78	8.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.71
LEQ	61.72	53.84	60.90	54.41	40.04	47.10	53.12	54.01	61.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.71		EVENING LEQ	55.28		NIGHT LEQ	62.40		Use hour?	no
										GRADE dB	0.00
	CNEL		69.10								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	752.92	15.60	26.00	139.75	0.65	1.08	104.00	16.25	27.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.44	5.60	7.82	15.13	-8.20	-5.98	13.84	5.78	8.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.71
LEQ	61.72	53.84	60.90	54.41	40.04	47.10	53.12	54.01	61.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.71		EVENING LEQ	55.28		NIGHT LEQ	62.40		Use hour?	no
										GRADE dB	0.00
	CNEL		69.10								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Rialto Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	20800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	602.33	12.48	20.80	111.80	0.52	0.87	83.20	13.00	21.67	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.47	4.64	6.85	14.16	-9.17	-6.95	12.87	4.81	7.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.74
LEQ	60.75	52.87	59.93	53.44	39.07	46.13	52.15	53.05	60.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.74		EVENING LEQ	54.31		NIGHT LEQ	61.44		Use hour?	no
										GRADE dB	0.00
	CNEL		68.14								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Rialto Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	21500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	622.60	12.90	21.50	115.56	0.54	0.90	86.00	13.44	22.40	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.62	4.78	7.00	14.30	-9.02	-6.80	13.02	4.96	7.18		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	60.90	53.01	60.08	53.58	39.21	46.28	52.30	53.19	60.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.45		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.28								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Rialto Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	21500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	622.60	12.90	21.50	115.56	0.54	0.90	86.00	13.44	22.40	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.62	4.78	7.00	14.30	-9.02	-6.80	13.02	4.96	7.18		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	60.90	53.01	60.08	53.58	39.21	46.28	52.30	53.19	60.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.45		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.28								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Rialto Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	25900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	750.02	15.54	25.90	139.21	0.65	1.08	103.60	16.19	26.98	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.42	5.59	7.81	15.11	-8.21	-6.00	13.83	5.77	7.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.69
LEQ	61.70	53.82	60.89	54.39	40.02	47.08	53.11	54.00	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.69		EVENING LEQ	55.26		NIGHT LEQ	62.39		Use hour?	no
										GRADE dB	0.00
	CNEL		69.09								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Rialto Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	25900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	750.02	15.54	25.90	139.21	0.65	1.08	103.60	16.19	26.98	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.42	5.59	7.81	15.11	-8.21	-6.00	13.83	5.77	7.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.69
LEQ	61.70	53.82	60.89	54.39	40.02	47.08	53.11	54.00	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.69		EVENING LEQ	55.26		NIGHT LEQ	62.39		Use hour?	no
										GRADE dB	0.00
	CNEL		69.09								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20800.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	602.33	12.48	20.80	111.80	0.52	0.87	83.20	13.00	21.67	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.47	4.64	6.85	14.16	-9.17	-6.95	12.87	4.81	7.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.74
LEQ	60.75	52.87	59.93	53.44	39.07	46.13	52.15	53.05	60.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.74		EVENING LEQ	54.31		NIGHT LEQ	61.44		Use hour?	no
										GRADE dB	0.00
	CNEL		68.14								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	611.02	12.66	21.10	113.41	0.53	0.88	84.40	13.19	21.98	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.53	4.70	6.92	14.22	-9.10	-6.89	12.94	4.88	7.09		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.20
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.80
LEQ	60.81	52.93	60.00	53.50	39.13	46.19	52.22	53.11	60.17	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.80		EVENING LEQ	54.37		NIGHT LEQ	61.50		Use hour?	no
										GRADE dB	0.00
	CNEL		68.20								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	628.40	13.02	21.70	116.64	0.54	0.90	86.80	13.56	22.60	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.66	4.82	7.04	14.34	-8.98	-6.76	13.06	5.00	7.22		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.93
LEQ	60.94	53.05	60.12	53.62	39.25	46.32	52.34	53.23	60.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.93		EVENING LEQ	54.49		NIGHT LEQ	61.62		Use hour?	no
										GRADE dB	0.00
	CNEL		68.32								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	668.94	13.86	23.10	124.16	0.58	0.96	92.40	14.44	24.06	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.93	5.09	7.31	14.61	-8.71	-6.49	13.33	5.27	7.49		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.20
LEQ	61.21	53.32	60.39	53.89	39.52	46.59	52.61	53.50	60.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.20		EVENING LEQ	54.77		NIGHT LEQ	61.89		Use hour?	no
										GRADE dB	0.00
	CNEL		68.59								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **North of San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	686.31	14.22	23.70	127.39	0.59	0.99	94.80	14.81	24.69	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.04	5.20	7.42	14.72	-8.60	-6.38	13.44	5.38	7.60		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.31
LEQ	61.32	53.43	60.50	54.00	39.63	46.70	52.72	53.61	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.31		EVENING LEQ	54.88		NIGHT LEQ	62.00		Use hour?	no
										GRADE dB	0.00
	CNEL		68.70								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **San Bernardino Avenue to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	22300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	645.77	13.38	22.30	119.86	0.56	0.93	89.20	13.94	23.23	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.77	4.94	7.16	14.46	-8.86	-6.65	13.18	5.12	7.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.04
LEQ	61.05	53.17	60.24	53.74	39.37	46.43	52.46	53.35	60.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.04		EVENING LEQ	54.61		NIGHT LEQ	61.74		Use hour?	no
										GRADE dB	0.00
	CNEL		68.44								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **San Bernardino Avenue to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	22600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	654.46	13.56	22.60	121.48	0.57	0.94	90.40	14.13	23.54	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.83	5.00	7.21	14.52	-8.81	-6.59	13.24	5.17	7.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.10
LEQ	61.11	53.23	60.29	53.80	39.43	46.49	52.51	53.41	60.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.10		EVENING LEQ	54.67		NIGHT LEQ	61.80		Use hour?	no
										GRADE dB	0.00
	CNEL		68.50								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **San Bernardino Avenue to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	680.52	14.10	23.50	126.31	0.59	0.98	94.00	14.69	24.48	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.00	5.17	7.38	14.69	-8.64	-6.42	13.40	5.34	7.56		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.67
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.27
LEQ	61.28	53.40	60.46	53.97	39.60	46.66	52.68	53.58	60.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.27		EVENING LEQ	54.84		NIGHT LEQ	61.97		Use hour?	no
										GRADE dB	0.00
	CNEL		68.67								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **San Bernardino Avenue to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	24500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	709.48	14.70	24.50	131.69	0.61	1.02	98.00	15.31	25.52	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.18	5.35	7.57	14.87	-8.46	-6.24	13.59	5.52	7.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.45
LEQ	61.46	53.58	60.64	54.15	39.78	46.84	52.87	53.76	60.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.45		EVENING LEQ	55.02		NIGHT LEQ	62.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **San Bernardino Avenue to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	25400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	735.54	15.24	25.40	136.53	0.64	1.06	101.60	15.88	26.46	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.34	5.50	7.72	15.03	-8.30	-6.08	13.74	5.68	7.90		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.61
LEQ	61.62	53.74	60.80	54.31	39.93	47.00	53.02	53.91	60.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.61		EVENING LEQ	55.18		NIGHT LEQ	62.30		Use hour?	no
										GRADE dB	0.00
	CNEL		69.00								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **Valley Boulevard to I-10 Freeway**

	DAYTIME			EVENING			NIGHTTIME			ADT	40600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1175.71	24.36	40.60	218.23	1.02	1.69	162.40	25.38	42.29	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.38	7.54	9.76	17.06	-6.26	-4.04	15.78	7.72	9.94		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.04
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.65
LEQ	63.66	55.77	62.84	56.34	41.97	49.04	55.06	55.95	63.02	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.65		EVENING LEQ	57.21		NIGHT LEQ	64.34		Use hour?	no
										GRADE dB	0.00
	CNEL		71.04								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **Valley Boulevard to I-10 Freeway**

	DAYTIME			EVENING			NIGHTTIME			ADT	44500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1288.65	26.70	44.50	239.19	1.11	1.85	178.00	27.81	46.35	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.77	7.94	10.16	17.46	-5.86	-3.64	16.18	8.12	10.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.05
LEQ	64.05	56.17	63.24	56.74	42.37	49.43	55.46	56.35	63.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.05		EVENING LEQ	57.61		NIGHT LEQ	64.74		Use hour?	no
										GRADE dB	0.00
	CNEL		71.44								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **Valley Boulevard to I-10 Freeway**

	DAYTIME			EVENING			NIGHTTIME			ADT	45900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1329.19	27.54	45.90	246.71	1.15	1.91	183.60	28.69	47.81	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.91	8.07	10.29	17.60	-5.73	-3.51	16.31	8.25	10.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.18
LEQ	64.19	56.31	63.37	56.88	42.50	49.57	55.59	56.48	63.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.18		EVENING LEQ	57.75		NIGHT LEQ	64.87		Use hour?	no
										GRADE dB	0.00
	CNEL		71.57								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **Valley Boulevard to I-10 Freeway**

	DAYTIME			EVENING			NIGHTTIME			ADT	52000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1505.83	31.20	52.00	279.50	1.30	2.17	208.00	32.50	54.17	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	25.45	8.62	10.83	18.14	-5.19	-2.97	16.85	8.79	11.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.11
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.72
LEQ	64.73	56.85	63.91	57.42	43.05	50.11	56.13	57.02	64.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.72		EVENING LEQ	58.29		NIGHT LEQ	65.41		Use hour?	no
										GRADE dB	0.00
	CNEL		72.11								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **Valley Boulevard to I-10 Freeway**

	DAYTIME			EVENING			NIGHTTIME			ADT	53400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1546.38	32.04	53.40	287.03	1.34	2.23	213.60	33.38	55.63	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	25.57	8.73	10.95	18.25	-5.07	-2.85	16.97	8.91	11.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.84
LEQ	64.85	56.96	64.03	57.53	43.16	50.23	56.25	57.14	64.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.84		EVENING LEQ	58.40		NIGHT LEQ	65.53		Use hour?	no
										GRADE dB	0.00
	CNEL		72.23								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **I-10 Freeway to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	24000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	695.00	14.40	24.00	129.00	0.60	1.00	96.00	15.00	25.00	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.09	5.26	7.48	14.78	-8.54	-6.33	13.50	5.43	7.65		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.36
LEQ	61.37	53.49	60.55	54.06	39.69	46.75	52.78	53.67	60.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.36		EVENING LEQ	54.93		NIGHT LEQ	62.06		Use hour?	no
										GRADE dB	0.00
	CNEL		68.76								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **I-10 Freeway to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	24800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	718.17	14.88	24.80	133.30	0.62	1.03	99.20	15.50	25.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.24	5.40	7.62	14.92	-8.40	-6.18	13.64	5.58	7.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.90
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.51
LEQ	61.52	53.63	60.70	54.20	39.83	46.90	52.92	53.81	60.87	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.51		EVENING LEQ	55.07		NIGHT LEQ	62.20		Use hour?	no
										GRADE dB	0.00
	CNEL		68.90								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **I-10 Freeway to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	25700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	744.23	15.42	25.70	138.14	0.64	1.07	102.80	16.06	26.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.39	5.55	7.77	15.08	-8.25	-6.03	13.79	5.73	7.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.66
LEQ	61.67	53.79	60.85	54.36	39.98	47.05	53.07	53.96	61.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.66		EVENING LEQ	55.23		NIGHT LEQ	62.35		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **I-10 Freeway to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	29900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	865.85	17.94	29.90	160.71	0.75	1.25	119.60	18.69	31.15	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.05	6.21	8.43	15.73	-7.59	-5.37	14.45	6.39	8.61		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.71
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.32
LEQ	62.33	54.44	61.51	55.01	40.64	47.71	53.73	54.62	61.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.32		EVENING LEQ	55.89		NIGHT LEQ	63.01		Use hour?	no
										GRADE dB	0.00
	CNEL		69.71								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **I-10 Freeway to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	30800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	891.92	18.48	30.80	165.55	0.77	1.28	123.20	19.25	32.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.18	6.34	8.56	15.86	-7.46	-5.24	14.58	6.52	8.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.45
LEQ	62.46	54.57	61.64	55.14	40.77	47.84	53.86	54.75	61.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.45		EVENING LEQ	56.01		NIGHT LEQ	63.14		Use hour?	no
										GRADE dB	0.00
	CNEL		69.84								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Slover**

	DAYTIME			EVENING			NIGHTTIME			ADT	20600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	596.54	12.36	20.60	110.73	0.52	0.86	82.40	12.88	21.46	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.43	4.59	6.81	14.12	-9.21	-6.99	12.83	4.77	6.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.70
LEQ	60.71	52.83	59.89	53.40	39.02	46.09	52.11	53.00	60.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.70		EVENING LEQ	54.27		NIGHT LEQ	61.39		Use hour?	no
										GRADE dB	0.00
	CNEL		68.09								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Slover**

	DAYTIME			EVENING			NIGHTTIME			ADT	20900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	605.23	12.54	20.90	112.34	0.52	0.87	83.60	13.06	21.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.49	4.66	6.88	14.18	-9.15	-6.93	12.90	4.83	7.05		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.16
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.76
LEQ	60.77	52.89	59.95	53.46	39.09	46.15	52.18	53.07	60.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.76		EVENING LEQ	54.33		NIGHT LEQ	61.46		Use hour?	no
										GRADE dB	0.00
	CNEL		68.16								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Slover**

	DAYTIME			EVENING			NIGHTTIME			ADT	21600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	625.50	12.96	21.60	116.10	0.54	0.90	86.40	13.50	22.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.64	4.80	7.02	14.32	-9.00	-6.78	13.04	4.98	7.20		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.91
LEQ	60.92	53.03	60.10	53.60	39.23	46.30	52.32	53.21	60.27	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.91		EVENING LEQ	54.47		NIGHT LEQ	61.60		Use hour?	no
										GRADE dB	0.00
	CNEL		68.30								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Slover**

	DAYTIME			EVENING			NIGHTTIME			ADT	22700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	657.35	13.62	22.70	122.01	0.57	0.95	90.80	14.19	23.65	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.85	5.02	7.23	14.54	-8.79	-6.57	13.25	5.19	7.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.12
LEQ	61.13	53.25	60.31	53.82	39.45	46.51	52.53	53.43	60.49	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.12		EVENING LEQ	54.69		NIGHT LEQ	61.81		Use hour?	no
										GRADE dB	0.00
	CNEL		68.51								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Cedar Avenue**

Segment: **South of Slover**

	DAYTIME			EVENING			NIGHTTIME			ADT	23400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	677.63	14.04	23.40	125.78	0.59	0.98	93.60	14.63	24.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.98	5.15	7.37	14.67	-8.65	-6.44	13.39	5.32	7.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.25
LEQ	61.26	53.38	60.44	53.95	39.58	46.64	52.67	53.56	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.25		EVENING LEQ	54.82		NIGHT LEQ	61.95		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Columbia Avenue**

Segment: **East of Riverside Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	11200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	324.33	6.72	11.20	60.20	0.28	0.47	44.80	7.00	11.67	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.78	1.95	4.17	11.47	-11.85	-9.64	10.19	2.12	4.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.45
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.05
LEQ	58.06	50.18	57.24	50.75	36.38	43.44	49.47	50.36	57.42	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.05		EVENING LEQ	51.62		NIGHT LEQ	58.75		Use hour?	no
										GRADE dB	0.00
	CNEL		65.45								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Columbia Avenue**

Segment: **East of Riverside Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	11400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	330.13	6.84	11.40	61.28	0.29	0.48	45.60	7.13	11.88	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.86	2.02	4.24	11.55	-11.78	-9.56	10.26	2.20	4.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.13
LEQ	58.14	50.26	57.32	50.83	36.45	43.52	49.54	50.43	57.50	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.13		EVENING LEQ	51.70		NIGHT LEQ	58.82		Use hour?	no
										GRADE dB	0.00
	CNEL		65.52								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Columbia Avenue**

Segment: **East of Riverside Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	11700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	338.81	7.02	11.70	62.89	0.29	0.49	46.80	7.31	12.19	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	18.97	2.14	4.36	11.66	-11.67	-9.45	10.38	2.31	4.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.64
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.24
LEQ	58.25	50.37	57.43	50.94	36.57	43.63	49.66	50.55	57.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.24		EVENING LEQ	51.81		NIGHT LEQ	58.94		Use hour?	no
										GRADE dB	0.00
	CNEL		65.64								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Columbia Avenue**

Segment: **East of Riverside Drive**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	12300.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	356.19	7.38	12.30	66.11	0.31	0.51	49.20	7.69	12.81	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.19	2.35	4.57	11.88	-11.45	-9.23	10.59	2.53	4.75		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.46
LEQ	58.47	50.59	57.65	51.16	36.78	43.85	49.87	50.76	57.83	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.46		EVENING LEQ	52.03		NIGHT LEQ	59.15		Use hour?	no
										GRADE dB	0.00
	CNEL		65.85								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Columbia Avenue**

Segment: **East of Riverside Drive**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	12600.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	364.88	7.56	12.60	67.73	0.32	0.53	50.40	7.88	13.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	19.30	2.46	4.68	11.98	-11.34	-9.12	10.70	2.64	4.85		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.57
LEQ	58.57	50.69	57.76	51.26	36.89	43.95	49.98	50.87	57.93	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.57		EVENING LEQ	52.13		NIGHT LEQ	59.26		Use hour?	no
										GRADE dB	0.00
	CNEL		65.96								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	98.46	2.04	3.40	18.28	0.09	0.14	13.60	2.13	3.54	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.86	-1.98	0.24	7.54	-15.78	-13.56	6.26	-1.80	0.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.59
LEQ	49.29	43.05	50.92	41.97	29.25	37.12	40.69	43.23	51.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.59		EVENING LEQ	43.37		NIGHT LEQ	52.08		Use hour?	no
										GRADE dB	0.00
	CNEL		58.62								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	101.35	2.10	3.50	18.81	0.09	0.15	14.00	2.19	3.65	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.98	-1.85	0.36	7.67	-15.66	-13.44	6.38	-1.68	0.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.75
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.72
LEQ	49.41	43.18	51.04	42.10	29.38	37.24	40.82	43.36	51.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.72		EVENING LEQ	43.50		NIGHT LEQ	52.21		Use hour?	no
										GRADE dB	0.00
	CNEL		58.75								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	101.35	2.10	3.50	18.81	0.09	0.15	14.00	2.19	3.65	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.98	-1.85	0.36	7.67	-15.66	-13.44	6.38	-1.68	0.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.75
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.72
LEQ	49.41	43.18	51.04	42.10	29.38	37.24	40.82	43.36	51.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.72		EVENING LEQ	43.50		NIGHT LEQ	52.21		Use hour?	no
										GRADE dB	0.00
	CNEL		58.75								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	121.63	2.52	4.20	22.58	0.11	0.18	16.80	2.63	4.38	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	15.77	-1.06	1.16	8.46	-14.87	-12.65	7.18	-0.89	1.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.54
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.51
LEQ	50.21	43.97	51.84	42.89	30.17	38.03	41.61	44.15	52.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.51		EVENING LEQ	44.29		NIGHT LEQ	53.00		Use hour?	no
										GRADE dB	0.00
	CNEL		59.54								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	121.63	2.52	4.20	22.58	0.11	0.18	16.80	2.63	4.38	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	15.77	-1.06	1.16	8.46	-14.87	-12.65	7.18	-0.89	1.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.54
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.51
LEQ	50.21	43.97	51.84	42.89	30.17	38.03	41.61	44.15	52.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.51		EVENING LEQ	44.29		NIGHT LEQ	53.00		Use hour?	no
										GRADE dB	0.00
	CNEL		59.54								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	95.56	1.98	3.30	17.74	0.08	0.14	13.20	2.06	3.44	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.73	-2.11	0.11	7.41	-15.91	-13.69	6.13	-1.93	0.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.49
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.46
LEQ	49.16	42.92	50.79	41.84	29.12	36.99	40.56	43.10	50.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.46		EVENING LEQ	43.24		NIGHT LEQ	51.95		Use hour?	no
										GRADE dB	0.00
	CNEL		58.49								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	98.46	2.04	3.40	18.28	0.09	0.14	13.60	2.13	3.54	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.86	-1.98	0.24	7.54	-15.78	-13.56	6.26	-1.80	0.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.59
LEQ	49.29	43.05	50.92	41.97	29.25	37.12	40.69	43.23	51.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.59		EVENING LEQ	43.37		NIGHT LEQ	52.08		Use hour?	no
										GRADE dB	0.00
	CNEL		58.62								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	98.46	2.04	3.40	18.28	0.09	0.14	13.60	2.13	3.54	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	14.86	-1.98	0.24	7.54	-15.78	-13.56	6.26	-1.80	0.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.59
LEQ	49.29	43.05	50.92	41.97	29.25	37.12	40.69	43.23	51.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.59		EVENING LEQ	43.37		NIGHT LEQ	52.08		Use hour?	no
										GRADE dB	0.00
	CNEL		58.62								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	124.52	2.58	4.30	23.11	0.11	0.18	17.20	2.69	4.48	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	15.88	-0.96	1.26	8.56	-14.76	-12.54	7.28	-0.78	1.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.64
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.61
LEQ	50.31	44.07	51.94	42.99	30.27	38.14	41.71	44.25	52.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.61		EVENING LEQ	44.39		NIGHT LEQ	53.10		Use hour?	no
										GRADE dB	0.00
	CNEL		59.64								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Etiwanda Avenue**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	124.52	2.58	4.30	23.11	0.11	0.18	17.20	2.69	4.48	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	15.88	-0.96	1.26	8.56	-14.76	-12.54	7.28	-0.78	1.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.64
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.61
LEQ	50.31	44.07	51.94	42.99	30.27	38.14	41.71	44.25	52.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.61		EVENING LEQ	44.39		NIGHT LEQ	53.10		Use hour?	no
										GRADE dB	0.00
	CNEL		59.64								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	25700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	744.23	15.42	25.70	138.14	0.64	1.07	102.80	16.06	26.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.39	5.55	7.77	15.08	-8.25	-6.03	13.79	5.73	7.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.66
LEQ	61.67	53.79	60.85	54.36	39.98	47.05	53.07	53.96	61.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.66		EVENING LEQ	55.23		NIGHT LEQ	62.35		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	767.40	15.90	26.50	142.44	0.66	1.10	106.00	16.56	27.60	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.52	5.69	7.91	15.21	-8.11	-5.90	13.93	5.86	8.08		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.19
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.79
LEQ	61.80	53.92	60.99	54.49	40.12	47.18	53.21	54.10	61.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.79		EVENING LEQ	55.36		NIGHT LEQ	62.49		Use hour?	no
										GRADE dB	0.00
	CNEL		69.19								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	27000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	781.88	16.20	27.00	145.13	0.68	1.13	108.00	16.88	28.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.60	5.77	7.99	15.29	-8.03	-5.81	14.01	5.95	8.16		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.88
LEQ	61.88	54.00	61.07	54.57	40.20	47.26	53.29	54.18	61.24	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.88		EVENING LEQ	55.44		NIGHT LEQ	62.57		Use hour?	no
										GRADE dB	0.00
	CNEL		69.27								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	31500.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	912.19	18.90	31.50	169.31	0.79	1.31	126.00	19.69	32.81	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.27	6.44	8.66	15.96	-7.36	-5.15	14.68	6.62	8.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.54
LEQ	62.55	54.67	61.74	55.24	40.87	47.93	53.96	54.85	61.91	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.54		EVENING LEQ	56.11		NIGHT LEQ	63.24		Use hour?	no
										GRADE dB	0.00
	CNEL		69.94								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	32000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	926.67	19.20	32.00	172.00	0.80	1.33	128.00	20.00	33.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.34	6.51	8.73	16.03	-7.30	-5.08	14.75	6.68	8.90		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.01
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.61
LEQ	62.62	54.74	61.80	55.31	40.94	48.00	54.03	54.92	61.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.61		EVENING LEQ	56.18		NIGHT LEQ	63.31		Use hour?	no
										GRADE dB	0.00
	CNEL		70.01								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	24500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	709.48	14.70	24.50	131.69	0.61	1.02	98.00	15.31	25.52	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.18	5.35	7.57	14.87	-8.46	-6.24	13.59	5.52	7.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.45
LEQ	61.46	53.58	60.64	54.15	39.78	46.84	52.87	53.76	60.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.45		EVENING LEQ	55.02		NIGHT LEQ	62.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	25400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	735.54	15.24	25.40	136.53	0.64	1.06	101.60	15.88	26.46	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.34	5.50	7.72	15.03	-8.30	-6.08	13.74	5.68	7.90		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.61
LEQ	61.62	53.74	60.80	54.31	39.93	47.00	53.02	53.91	60.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.61		EVENING LEQ	55.18		NIGHT LEQ	62.30		Use hour?	no
										GRADE dB	0.00
	CNEL		69.00								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	764.50	15.84	26.40	141.90	0.66	1.10	105.60	16.50	27.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.51	5.67	7.89	15.19	-8.13	-5.91	13.91	5.85	8.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.17
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.78
LEQ	61.79	53.90	60.97	54.47	40.10	47.17	53.19	54.08	61.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.78		EVENING LEQ	55.35		NIGHT LEQ	62.47		Use hour?	no
										GRADE dB	0.00
	CNEL		69.17								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	30800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	891.92	18.48	30.80	165.55	0.77	1.28	123.20	19.25	32.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.18	6.34	8.56	15.86	-7.46	-5.24	14.58	6.52	8.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.45
LEQ	62.46	54.57	61.64	55.14	40.77	47.84	53.86	54.75	61.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.45		EVENING LEQ	56.01		NIGHT LEQ	63.14		Use hour?	no
										GRADE dB	0.00
	CNEL		69.84								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	31800.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	920.88	19.08	31.80	170.93	0.80	1.33	127.20	19.88	33.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.32	6.48	8.70	16.00	-7.32	-5.10	14.72	6.66	8.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.98
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.59
LEQ	62.60	54.71	61.78	55.28	40.91	47.97	54.00	54.89	61.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.59		EVENING LEQ	56.15		NIGHT LEQ	63.28		Use hour?	no
										GRADE dB	0.00
	CNEL		69.98								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	666.04	13.80	23.00	123.63	0.58	0.96	92.00	14.38	23.96	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.91	5.07	7.29	14.59	-8.73	-6.51	13.31	5.25	7.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.18
LEQ	61.19	53.30	60.37	53.87	39.50	46.57	52.59	53.48	60.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.18		EVENING LEQ	54.75		NIGHT LEQ	61.87		Use hour?	no
										GRADE dB	0.00
	CNEL		68.57								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	686.31	14.22	23.70	127.39	0.59	0.99	94.80	14.81	24.69	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.04	5.20	7.42	14.72	-8.60	-6.38	13.44	5.38	7.60		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.31
LEQ	61.32	53.43	60.50	54.00	39.63	46.70	52.72	53.61	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.31		EVENING LEQ	54.88		NIGHT LEQ	62.00		Use hour?	no
										GRADE dB	0.00
	CNEL		68.70								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	24800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	718.17	14.88	24.80	133.30	0.62	1.03	99.20	15.50	25.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.24	5.40	7.62	14.92	-8.40	-6.18	13.64	5.58	7.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.90
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.51
LEQ	61.52	53.63	60.70	54.20	39.83	46.90	52.92	53.81	60.87	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.51		EVENING LEQ	55.07		NIGHT LEQ	62.20		Use hour?	no
										GRADE dB	0.00
	CNEL		68.90								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	28200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	816.63	16.92	28.20	151.58	0.71	1.18	112.80	17.63	29.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.79	5.96	8.18	15.48	-7.84	-5.63	14.20	6.13	8.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.46
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.06
LEQ	62.07	54.19	61.26	54.76	40.39	47.45	53.48	54.37	61.43	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.06		EVENING LEQ	55.63		NIGHT LEQ	62.76		Use hour?	no
										GRADE dB	0.00
	CNEL		69.46								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	29200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	845.58	17.52	29.20	156.95	0.73	1.22	116.80	18.25	30.42	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.95	6.11	8.33	15.63	-7.69	-5.47	14.35	6.29	8.50		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.61
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.22
LEQ	62.22	54.34	61.41	54.91	40.54	47.60	53.63	54.52	61.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.22		EVENING LEQ	55.78		NIGHT LEQ	62.91		Use hour?	no
										GRADE dB	0.00
	CNEL		69.61								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	25200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	729.75	15.12	25.20	135.45	0.63	1.05	100.80	15.75	26.25	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.31	5.47	7.69	14.99	-8.33	-6.11	13.71	5.65	7.86		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.58
LEQ	61.58	53.70	60.77	54.27	39.90	46.96	52.99	53.88	60.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.58		EVENING LEQ	55.14		NIGHT LEQ	62.27		Use hour?	no
										GRADE dB	0.00
	CNEL		68.97								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	764.50	15.84	26.40	141.90	0.66	1.10	105.60	16.50	27.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.51	5.67	7.89	15.19	-8.13	-5.91	13.91	5.85	8.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.17
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.78
LEQ	61.79	53.90	60.97	54.47	40.10	47.17	53.19	54.08	61.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.78		EVENING LEQ	55.35		NIGHT LEQ	62.47		Use hour?	no
										GRADE dB	0.00
	CNEL		69.17								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	27400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	793.46	16.44	27.40	147.28	0.69	1.14	109.60	17.13	28.54	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.67	5.83	8.05	15.35	-7.97	-5.75	14.07	6.01	8.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.94
LEQ	61.95	54.06	61.13	54.63	40.26	47.33	53.35	54.24	61.31	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.94		EVENING LEQ	55.51		NIGHT LEQ	62.63		Use hour?	no
										GRADE dB	0.00
	CNEL		69.33								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	34400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	996.17	20.64	34.40	184.90	0.86	1.43	137.60	21.50	35.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.66	6.82	9.04	16.34	-6.98	-4.76	15.06	7.00	9.22		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.93
LEQ	62.94	55.05	62.12	55.62	41.25	48.32	54.34	55.23	62.30	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.93		EVENING LEQ	56.49		NIGHT LEQ	63.62		Use hour?	no
										GRADE dB	0.00
	CNEL		70.32								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	35400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1025.13	21.24	35.40	190.28	0.89	1.48	141.60	22.13	36.88	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.78	6.95	9.16	16.47	-6.86	-4.64	15.18	7.12	9.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.05
LEQ	63.06	55.18	62.24	55.75	41.38	48.44	54.46	55.35	62.42	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.05		EVENING LEQ	56.62		NIGHT LEQ	63.74		Use hour?	no
										GRADE dB	0.00
	CNEL		70.44								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	541.52	11.22	18.70	100.51	0.47	0.78	74.80	11.69	19.48	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.01	4.17	6.39	13.70	-9.63	-7.41	12.41	4.35	6.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.67
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.28
LEQ	60.29	52.41	59.47	52.98	38.60	45.67	51.69	52.58	59.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.28		EVENING LEQ	53.85		NIGHT LEQ	60.97		Use hour?	no
										GRADE dB	0.00
	CNEL		67.67								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	20000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	579.17	12.00	20.00	107.50	0.50	0.83	80.00	12.50	20.83	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.30	4.47	6.68	13.99	-9.34	-7.12	12.70	4.64	6.86		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.57
LEQ	60.58	52.70	59.76	53.27	38.90	45.96	51.98	52.88	59.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.57		EVENING LEQ	54.14		NIGHT LEQ	61.26		Use hour?	no
										GRADE dB	0.00
	CNEL		67.96								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	21600.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	625.50	12.96	21.60	116.10	0.54	0.90	86.40	13.50	22.50	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.64	4.80	7.02	14.32	-9.00	-6.78	13.04	4.98	7.20		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.91
LEQ	60.92	53.03	60.10	53.60	39.23	46.30	52.32	53.21	60.27	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.91		EVENING LEQ	54.47		NIGHT LEQ	61.60		Use hour?	no
										GRADE dB	0.00
	CNEL		68.30								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	28500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	825.31	17.10	28.50	153.19	0.71	1.19	114.00	17.81	29.69	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.84	6.00	8.22	15.53	-7.80	-5.58	14.24	6.18	8.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.11
LEQ	62.12	54.24	61.30	54.81	40.43	47.50	53.52	54.41	61.48	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.11		EVENING LEQ	55.68		NIGHT LEQ	62.80		Use hour?	no
										GRADE dB	0.00
	CNEL		69.50								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	30100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	871.65	18.06	30.10	161.79	0.75	1.25	120.40	18.81	31.35	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.08	6.24	8.46	15.76	-7.56	-5.34	14.48	6.42	8.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.35
LEQ	62.36	54.47	61.54	55.04	40.67	47.74	53.76	54.65	61.72	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.35		EVENING LEQ	55.92		NIGHT LEQ	63.04		Use hour?	no
										GRADE dB	0.00
	CNEL		69.74								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	541.52	11.22	18.70	100.51	0.47	0.78	74.80	11.69	19.48	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.01	4.17	6.39	13.70	-9.63	-7.41	12.41	4.35	6.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.67
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.28
LEQ	60.29	52.41	59.47	52.98	38.60	45.67	51.69	52.58	59.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.28		EVENING LEQ	53.85		NIGHT LEQ	60.97		Use hour?	no
										GRADE dB	0.00
	CNEL		67.67								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	553.10	11.46	19.10	102.66	0.48	0.80	76.40	11.94	19.90	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.10	4.27	6.48	13.79	-9.54	-7.32	12.50	4.44	6.66		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.37
LEQ	60.38	52.50	59.56	53.07	38.70	45.76	51.78	52.68	59.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.37		EVENING LEQ	53.94		NIGHT LEQ	61.07		Use hour?	no
										GRADE dB	0.00
	CNEL		67.76								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	573.38	11.88	19.80	106.43	0.50	0.83	79.20	12.38	20.63	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.26	4.42	6.64	13.94	-9.38	-7.16	12.66	4.60	6.82		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.53
LEQ	60.54	52.65	59.72	53.22	38.85	45.92	51.94	52.83	59.90	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.53		EVENING LEQ	54.10		NIGHT LEQ	61.22		Use hour?	no
										GRADE dB	0.00
	CNEL		67.92								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	622.60	12.90	21.50	115.56	0.54	0.90	86.00	13.44	22.40	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.62	4.78	7.00	14.30	-9.02	-6.80	13.02	4.96	7.18		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	60.90	53.01	60.08	53.58	39.21	46.28	52.30	53.19	60.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.45		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.28								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Foothill Boulevard**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	22200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	642.88	13.32	22.20	119.33	0.56	0.93	88.80	13.88	23.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.75	4.92	7.14	14.44	-8.88	-6.67	13.16	5.10	7.31		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.03
LEQ	61.03	53.15	60.22	53.72	39.35	46.41	52.44	53.33	60.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.03		EVENING LEQ	54.59		NIGHT LEQ	61.72		Use hour?	no
										GRADE dB	0.00
	CNEL		68.42								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Hermosa Avenue**

Segment: **C Street to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	6.13	0.08	0.03	1.13	0.00	0.00	0.85	0.08	0.03	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	3.59	-15.53	-19.64	-3.74	-29.06	-29.06	-4.98	-15.53	-19.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	39.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	36.61
LEQ	34.95	27.47	29.52	27.62	13.95	20.10	26.38	27.47	29.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	36.61		EVENING LEQ	28.48		NIGHT LEQ	32.76		Use hour?	no
										GRADE dB	0.00
	CNEL		39.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Hermosa Avenue**

Segment: **C Street to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	200.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	6.13	0.08	0.03	1.13	0.00	0.00	0.85	0.08	0.03	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	3.59	-15.53	-19.64	-3.74	-29.06	-29.06	-4.98	-15.53	-19.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	39.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	36.61
LEQ	34.95	27.47	29.52	27.62	13.95	20.10	26.38	27.47	29.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	36.61		EVENING LEQ	28.48		NIGHT LEQ	32.76		Use hour?	no
										GRADE dB	0.00
	CNEL		39.85								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Hermosa Avenue**

Segment: **C Street to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	6.13	0.08	0.03	1.13	0.00	0.00	0.85	0.08	0.03	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	3.59	-15.53	-19.64	-3.74	-29.06	-29.06	-4.98	-15.53	-19.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	39.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	36.61
LEQ	34.95	27.47	29.52	27.62	13.95	20.10	26.38	27.47	29.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	36.61		EVENING LEQ	28.48		NIGHT LEQ	32.76		Use hour?	no
										GRADE dB	0.00
	CNEL		39.85								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Hermosa Avenue**

Segment: **C Street to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	6.13	0.08	0.03	1.13	0.00	0.00	0.85	0.08	0.03	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	3.59	-15.53	-19.64	-3.74	-29.06	-29.06	-4.98	-15.53	-19.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	39.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	36.61
LEQ	34.95	27.47	29.52	27.62	13.95	20.10	26.38	27.47	29.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	36.61		EVENING LEQ	28.48		NIGHT LEQ	32.76		Use hour?	no
										GRADE dB	0.00
	CNEL		39.85								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Hermosa Avenue**

Segment: **C Street to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	200.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	6.13	0.08	0.03	1.13	0.00	0.00	0.85	0.08	0.03	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	3.59	-15.53	-19.64	-3.74	-29.06	-29.06	-4.98	-15.53	-19.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	39.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	36.61
LEQ	34.95	27.47	29.52	27.62	13.95	20.10	26.38	27.47	29.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	36.61		EVENING LEQ	28.48		NIGHT LEQ	32.76		Use hour?	no
										GRADE dB	0.00
	CNEL		39.85								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	297.72	8.09	24.96	57.57	1.56	4.83	83.46	2.29	7.02	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	18.99	3.33	8.23	11.86	-3.82	1.09	13.47	-2.15	2.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.90
LEQ	56.02	50.08	60.19	48.89	42.93	53.06	50.50	44.60	54.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.90		EVENING LEQ	54.76		NIGHT LEQ	56.38		Use hour?	no
										GRADE dB	0.00
	CNEL		64.02								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	302.81	8.23	25.39	58.56	1.59	4.91	84.89	2.33	7.14	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.07	3.41	8.30	11.93	-3.74	1.16	13.54	-2.07	2.79		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.97
LEQ	56.09	50.16	60.27	48.96	43.01	53.13	50.57	44.68	54.76	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.97		EVENING LEQ	54.83		NIGHT LEQ	56.46		Use hour?	no
										GRADE dB	0.00
	CNEL		64.09								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	338.43	9.20	28.37	65.45	1.77	5.49	94.87	2.60	7.98	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.55	3.89	8.78	12.41	-3.26	1.65	14.02	-1.59	3.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.58
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.45
LEQ	56.58	50.64	60.75	49.44	43.49	53.61	51.05	45.16	55.24	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.45		EVENING LEQ	55.31		NIGHT LEQ	56.94		Use hour?	no
										GRADE dB	0.00
	CNEL		64.58								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	328.25	8.92	27.52	63.48	1.72	5.32	92.02	2.53	7.74	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.42	3.76	8.65	12.28	-3.39	1.51	13.89	-1.72	3.14		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.32
LEQ	56.45	50.51	60.62	49.31	43.36	53.48	50.92	45.03	55.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.32		EVENING LEQ	55.18		NIGHT LEQ	56.81		Use hour?	no
										GRADE dB	0.00
	CNEL		64.44								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **West of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	363.88	9.89	30.51	70.37	1.91	5.90	102.01	2.80	8.58	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.86	4.21	9.10	12.73	-2.94	1.96	14.34	-1.27	3.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.89
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.77
LEQ	56.89	50.95	61.06	49.76	43.80	53.93	51.37	45.47	55.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.77		EVENING LEQ	55.63		NIGHT LEQ	57.26		Use hour?	no
										GRADE dB	0.00
	CNEL		64.89								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	297.72	8.09	24.96	57.57	1.56	4.83	83.46	2.29	7.02	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	18.99	3.33	8.23	11.86	-3.82	1.09	13.47	-2.15	2.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.90
LEQ	56.02	50.08	60.19	48.89	42.93	53.06	50.50	44.60	54.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.90		EVENING LEQ	54.76		NIGHT LEQ	56.38		Use hour?	no
										GRADE dB	0.00
	CNEL		64.02								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	351.15	9.55	29.44	67.91	1.84	5.69	98.44	2.70	8.28	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.71	4.05	8.94	12.57	-3.10	1.81	14.19	-1.43	3.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.61
LEQ	56.74	50.80	60.91	49.60	43.65	53.77	51.21	45.32	55.40	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.61		EVENING LEQ	55.47		NIGHT LEQ	57.10		Use hour?	no
										GRADE dB	0.00
	CNEL		64.74								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	351.15	9.55	29.44	67.91	1.84	5.69	98.44	2.70	8.28	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	19.71	4.05	8.94	12.57	-3.10	1.81	14.19	-1.43	3.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.61
LEQ	56.74	50.80	60.91	49.60	43.65	53.77	51.21	45.32	55.40	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.61		EVENING LEQ	55.47		NIGHT LEQ	57.10		Use hour?	no
										GRADE dB	0.00
	CNEL		64.74								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	27400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	697.22	18.95	58.45	134.83	3.65	11.30	195.45	5.37	16.44	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	22.69	7.03	11.92	15.55	-0.12	4.79	17.16	1.55	6.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.71
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.59
LEQ	59.72	53.78	63.89	52.58	46.63	56.75	54.19	48.30	58.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.59		EVENING LEQ	58.45		NIGHT LEQ	60.08		Use hour?	no
										GRADE dB	0.00
	CNEL		67.71								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Highland Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	27400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	697.22	18.95	58.45	134.83	3.65	11.30	195.45	5.37	16.44	% A	90.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	2.45
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	7.55
ADJUSTMENTS											
Flow	22.69	7.03	11.92	15.55	-0.12	4.79	17.16	1.55	6.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.71
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.59
LEQ	59.72	53.78	63.89	52.58	46.63	56.75	54.19	48.30	58.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.59		EVENING LEQ	58.45		NIGHT LEQ	60.08		Use hour?	no
										GRADE dB	0.00
	CNEL		67.71								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Jurupa Avenue**

Segment: **Willow Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	86.88	1.80	3.00	16.13	0.08	0.13	12.00	1.88	3.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	13.06	-3.77	-1.56	5.75	-17.58	-15.36	4.47	-3.60	-1.38		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.33
LEQ	52.34	44.46	51.52	45.03	30.66	37.72	43.74	44.64	51.70	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.33		EVENING LEQ	45.90		NIGHT LEQ	53.03		Use hour?	no
										GRADE dB	0.00
	CNEL		59.73								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Jurupa Avenue**

Segment: **Willow Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	92.67	1.92	3.20	17.20	0.08	0.13	12.80	2.00	3.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	13.34	-3.49	-1.27	6.03	-17.30	-15.08	4.75	-3.32	-1.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.01
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.61
LEQ	52.62	44.74	51.80	45.31	30.94	38.00	44.03	44.92	51.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.61		EVENING LEQ	46.18		NIGHT LEQ	53.31		Use hour?	no
										GRADE dB	0.00
	CNEL		60.01								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Jurupa Avenue**

Segment: **Willow Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	92.67	1.92	3.20	17.20	0.08	0.13	12.80	2.00	3.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	13.34	-3.49	-1.27	6.03	-17.30	-15.08	4.75	-3.32	-1.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.01
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.61
LEQ	52.62	44.74	51.80	45.31	30.94	38.00	44.03	44.92	51.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.61		EVENING LEQ	46.18		NIGHT LEQ	53.31		Use hour?	no
										GRADE dB	0.00
	CNEL		60.01								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Jurupa Avenue**

Segment: **Willow Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	133.21	2.76	4.60	24.73	0.12	0.19	18.40	2.88	4.79	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	14.92	-1.92	0.30	7.60	-15.72	-13.50	6.32	-1.74	0.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.58
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.19
LEQ	54.20	46.32	53.38	46.88	32.51	39.58	45.60	46.49	53.56	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.19		EVENING LEQ	47.76		NIGHT LEQ	54.88		Use hour?	no
										GRADE dB	0.00
	CNEL		61.58								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Jurupa Avenue**

Segment: **Willow Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	133.21	2.76	4.60	24.73	0.12	0.19	18.40	2.88	4.79	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	14.92	-1.92	0.30	7.60	-15.72	-13.50	6.32	-1.74	0.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.58
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.19
LEQ	54.20	46.32	53.38	46.88	32.51	39.58	45.60	46.49	53.56	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.19		EVENING LEQ	47.76		NIGHT LEQ	54.88		Use hour?	no
										GRADE dB	0.00
	CNEL		61.58								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	9100.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	263.52	5.46	9.10	48.91	0.23	0.38	36.40	5.69	9.48	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	16.91	0.08	2.29	9.60	-13.73	-11.51	8.32	0.25	2.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.14
LEQ	59.95	50.79	57.23	52.64	36.99	43.43	51.36	50.97	57.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.14		EVENING LEQ	53.24		NIGHT LEQ	59.10		Use hour?	no
										GRADE dB	0.00
	CNEL		65.97								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	292.48	6.06	10.10	54.29	0.25	0.42	40.40	6.31	10.52	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.37	0.53	2.75	10.05	-13.27	-11.05	8.77	0.71	2.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.60
LEQ	60.41	51.24	57.69	53.09	37.44	43.89	51.81	51.42	57.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.60		EVENING LEQ	53.69		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.42								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	292.48	6.06	10.10	54.29	0.25	0.42	40.40	6.31	10.52	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.37	0.53	2.75	10.05	-13.27	-11.05	8.77	0.71	2.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.60
LEQ	60.41	51.24	57.69	53.09	37.44	43.89	51.81	51.42	57.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.60		EVENING LEQ	53.69		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.42								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16100.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	466.23	9.66	16.10	86.54	0.40	0.67	64.40	10.06	16.77	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.39	2.55	4.77	12.08	-11.25	-9.03	10.79	2.73	4.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.62
LEQ	62.43	53.27	59.71	55.12	39.47	45.91	53.83	53.44	59.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.62		EVENING LEQ	55.71		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.44								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16100.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	466.23	9.66	16.10	86.54	0.40	0.67	64.40	10.06	16.77	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.39	2.55	4.77	12.08	-11.25	-9.03	10.79	2.73	4.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.62
LEQ	62.43	53.27	59.71	55.12	39.47	45.91	53.83	53.44	59.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.62		EVENING LEQ	55.71		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.44								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	18100.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	524.15	10.86	18.10	97.29	0.45	0.75	72.40	11.31	18.85	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.90	3.06	5.28	12.59	-10.74	-8.52	11.30	3.24	5.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.95
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.13
LEQ	62.94	53.78	60.22	55.62	39.97	46.42	54.34	53.95	60.40	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.13		EVENING LEQ	56.22		NIGHT LEQ	62.09		Use hour?	no
										GRADE dB	0.00
	CNEL		68.95								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	576.27	11.94	19.90	106.96	0.50	0.83	79.60	12.44	20.73	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.31	3.47	5.69	13.00	-10.33	-8.11	11.71	3.65	5.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.54
LEQ	63.35	54.19	60.63	56.04	40.39	46.83	54.75	54.37	60.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.54		EVENING LEQ	56.63		NIGHT LEQ	62.50		Use hour?	no
										GRADE dB	0.00
	CNEL		69.36								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	625.50	12.96	21.60	116.10	0.54	0.90	86.40	13.50	22.50	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.67	3.83	6.05	13.35	-9.97	-7.75	12.07	4.01	6.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.90
LEQ	63.71	54.54	60.99	56.39	40.74	47.19	55.11	54.72	61.17	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.90		EVENING LEQ	56.99		NIGHT LEQ	62.85		Use hour?	no
										GRADE dB	0.00
	CNEL		69.72								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	31300.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	906.40	18.78	31.30	168.24	0.78	1.30	125.20	19.56	32.60	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.28	5.44	7.66	14.96	-8.36	-6.14	13.68	5.62	7.84		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.51
LEQ	65.32	56.15	62.60	58.00	42.35	48.80	56.72	56.33	62.78	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.51		EVENING LEQ	58.60		NIGHT LEQ	64.46		Use hour?	no
										GRADE dB	0.00
	CNEL		71.33								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	33000.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	955.63	19.80	33.00	177.38	0.83	1.38	132.00	20.63	34.38	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.51	5.67	7.89	15.19	-8.13	-5.91	13.91	5.85	8.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.74
LEQ	65.55	56.38	62.83	58.23	42.58	49.03	56.95	56.56	63.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.74		EVENING LEQ	58.83		NIGHT LEQ	64.69		Use hour?	no
										GRADE dB	0.00
	CNEL		71.56								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	10000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	289.58	6.00	10.00	53.75	0.25	0.42	40.00	6.25	10.42	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.38
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.55
LEQ	60.36	51.20	57.64	53.05	37.40	43.84	51.76	51.38	57.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.55		EVENING LEQ	53.64		NIGHT LEQ	59.51		Use hour?	no
										GRADE dB	0.00
	CNEL		66.38								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	11000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	318.54	6.60	11.00	59.13	0.28	0.46	44.00	6.88	11.46	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.74	0.90	3.12	10.42	-12.90	-10.68	9.14	1.08	3.30		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.79
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.97
LEQ	60.78	51.61	58.06	53.46	37.81	44.26	52.18	51.79	58.24	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.97		EVENING LEQ	54.06		NIGHT LEQ	59.92		Use hour?	no
										GRADE dB	0.00
	CNEL		66.79								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	12200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	353.29	7.32	12.20	65.58	0.31	0.51	48.80	7.63	12.71	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.19	1.35	3.57	10.87	-12.45	-10.23	9.59	1.53	3.75		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.24
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.42
LEQ	61.23	52.06	58.51	53.91	38.26	44.71	52.63	52.24	58.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.42		EVENING LEQ	54.51		NIGHT LEQ	60.37		Use hour?	no
										GRADE dB	0.00
	CNEL		67.24								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	17300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	500.98	10.38	17.30	92.99	0.43	0.72	69.20	10.81	18.02	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.70	2.87	5.08	12.39	-10.94	-8.72	11.11	3.04	5.26		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.93
LEQ	62.74	53.58	60.02	55.43	39.78	46.22	54.15	53.76	60.20	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.93		EVENING LEQ	56.03		NIGHT LEQ	61.89		Use hour?	no
										GRADE dB	0.00
	CNEL		68.76								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **North of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	18500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	535.73	11.10	18.50	99.44	0.46	0.77	74.00	11.56	19.27	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.99	3.16	5.38	12.68	-10.64	-8.43	11.40	3.33	5.55		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.22
LEQ	63.03	53.87	60.32	55.72	40.07	46.51	54.44	54.05	60.49	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.22		EVENING LEQ	56.32		NIGHT LEQ	62.18		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	13400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	388.04	8.04	13.40	72.03	0.34	0.56	53.60	8.38	13.96	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.59	1.76	3.98	11.28	-12.05	-9.83	10.00	1.93	4.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.82
LEQ	61.63	52.47	58.92	54.32	38.67	45.11	53.04	52.65	59.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.82		EVENING LEQ	54.92		NIGHT LEQ	60.78		Use hour?	no
										GRADE dB	0.00
	CNEL		67.65								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	14000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	405.42	8.40	14.00	75.25	0.35	0.58	56.00	8.75	14.58	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.78	1.95	4.17	11.47	-11.85	-9.64	10.19	2.12	4.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.01
LEQ	61.82	52.66	59.11	54.51	38.86	45.30	53.23	52.84	59.28	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.01		EVENING LEQ	55.11		NIGHT LEQ	60.97		Use hour?	no
										GRADE dB	0.00
	CNEL		67.84								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	14000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	405.42	8.40	14.00	75.25	0.35	0.58	56.00	8.75	14.58	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.78	1.95	4.17	11.47	-11.85	-9.64	10.19	2.12	4.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.01
LEQ	61.82	52.66	59.11	54.51	38.86	45.30	53.23	52.84	59.28	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.01		EVENING LEQ	55.11		NIGHT LEQ	60.97		Use hour?	no
										GRADE dB	0.00
	CNEL		67.84								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	17400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	503.88	10.44	17.40	93.53	0.44	0.73	69.60	10.88	18.13	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.73	2.89	5.11	12.41	-10.91	-8.69	11.13	3.07	5.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.78
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.96
LEQ	62.77	53.60	60.05	55.45	39.80	46.25	54.17	53.78	60.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.96		EVENING LEQ	56.05		NIGHT LEQ	61.91		Use hour?	no
										GRADE dB	0.00
	CNEL		68.78								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **La Cadena Drive**

Segment: **South of I-215**

	DAYTIME			EVENING			NIGHTTIME			ADT	17400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	503.88	10.44	17.40	93.53	0.44	0.73	69.60	10.88	18.13	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.73	2.89	5.11	12.41	-10.91	-8.69	11.13	3.07	5.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.78
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.96
LEQ	62.77	53.60	60.05	55.45	39.80	46.25	54.17	53.78	60.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.96		EVENING LEQ	56.05		NIGHT LEQ	61.91		Use hour?	no
										GRADE dB	0.00
	CNEL		68.78								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Placentia Lane to Columbia Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	19800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	573.38	11.88	19.80	106.43	0.50	0.83	79.20	12.38	20.63	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.75	3.91	6.13	13.43	-9.89	-7.67	12.15	4.09	6.31		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.56
LEQ	62.01	53.45	60.19	54.70	39.65	46.39	53.41	53.63	60.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.56		EVENING LEQ	55.41		NIGHT LEQ	61.87		Use hour?	no
										GRADE dB	0.00
	CNEL		68.65								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Placentia Lane to Columbia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	611.02	12.66	21.10	113.41	0.53	0.88	84.40	13.19	21.98	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.02	4.19	6.40	13.71	-9.62	-7.40	12.43	4.36	6.58		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.83
LEQ	62.29	53.73	60.47	54.97	39.93	46.66	53.69	53.91	60.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.83		EVENING LEQ	55.69		NIGHT LEQ	62.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.93								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Placentia Lane to Columbia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	671.83	13.92	23.20	124.70	0.58	0.97	92.80	14.50	24.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.43	4.60	6.82	14.12	-9.20	-6.99	12.84	4.78	6.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.34
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.24
LEQ	62.70	54.14	60.88	55.38	40.34	47.08	54.10	54.32	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.24		EVENING LEQ	56.10		NIGHT LEQ	62.56		Use hour?	no
										GRADE dB	0.00
	CNEL		69.34								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Placentia Lane to Columbia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	29300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	848.48	17.58	29.30	157.49	0.73	1.22	117.20	18.31	30.52	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	22.45	5.61	7.83	15.13	-8.19	-5.97	13.85	5.79	8.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.26
LEQ	63.71	55.15	61.89	56.40	41.35	48.09	55.12	55.33	62.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.26		EVENING LEQ	57.11		NIGHT LEQ	63.57		Use hour?	no
										GRADE dB	0.00
	CNEL		70.36								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Placentia Lane to Columbia Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	31400.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	909.29	18.84	31.40	168.78	0.79	1.31	125.60	19.63	32.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	22.75	5.91	8.13	15.44	-7.89	-5.67	14.15	6.09	8.31		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.66
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.56
LEQ	64.01	55.45	62.19	56.70	41.65	48.39	55.42	55.63	62.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.56		EVENING LEQ	57.41		NIGHT LEQ	63.87		Use hour?	no
										GRADE dB	0.00
	CNEL		70.66								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Columbia Avenue to SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	19100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	553.10	11.46	19.10	102.66	0.48	0.80	76.40	11.94	19.90	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.59	3.75	5.97	13.28	-10.05	-7.83	11.99	3.93	6.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.40
LEQ	61.85	53.30	60.03	54.54	39.49	46.23	53.26	53.47	60.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.40		EVENING LEQ	55.26		NIGHT LEQ	61.71		Use hour?	no
										GRADE dB	0.00
	CNEL		68.50								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Columbia Avenue to SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	21300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	616.81	12.78	21.30	114.49	0.53	0.89	85.20	13.31	22.19	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.06	4.23	6.45	13.75	-9.57	-7.36	12.47	4.40	6.62		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.87
LEQ	62.33	53.77	60.51	55.01	39.97	46.71	53.73	53.95	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.87		EVENING LEQ	55.73		NIGHT LEQ	62.19		Use hour?	no
										GRADE dB	0.00
	CNEL		68.97								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Columbia Avenue to SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	23200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	671.83	13.92	23.20	124.70	0.58	0.97	92.80	14.50	24.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.43	4.60	6.82	14.12	-9.20	-6.99	12.84	4.78	6.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.34
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.24
LEQ	62.70	54.14	60.88	55.38	40.34	47.08	54.10	54.32	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.24		EVENING LEQ	56.10		NIGHT LEQ	62.56		Use hour?	no
										GRADE dB	0.00
	CNEL		69.34								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Columbia Avenue to SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	35000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1013.54	21.00	35.00	188.13	0.88	1.46	140.00	21.88	36.46	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.22	6.38	8.60	15.91	-7.42	-5.20	14.62	6.56	8.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.03
LEQ	64.48	55.93	62.66	57.17	42.12	48.86	55.89	56.10	62.84	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.03		EVENING LEQ	57.89		NIGHT LEQ	64.34		Use hour?	no
										GRADE dB	0.00
	CNEL		71.13								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **Columbia Avenue to SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	36900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1068.56	22.14	36.90	198.34	0.92	1.54	147.60	23.06	38.44	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.45	6.61	8.83	16.14	-7.19	-4.97	14.85	6.79	9.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.26
LEQ	64.71	56.16	62.89	57.40	42.35	49.09	56.12	56.33	63.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.26		EVENING LEQ	58.12		NIGHT LEQ	64.57		Use hour?	no
										GRADE dB	0.00
	CNEL		71.36								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **South of SR-60**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16600.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	480.71	9.96	16.60	89.23	0.42	0.69	66.40	10.38	17.29	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.98	3.14	5.36	12.67	-10.66	-8.44	11.38	3.32	5.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.89
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.79
LEQ	61.25	52.69	59.42	53.93	38.88	45.62	52.65	52.86	59.60	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.79		EVENING LEQ	54.65		NIGHT LEQ	61.11		Use hour?	no
										GRADE dB	0.00
	CNEL		67.89								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **South of SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	16800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	486.50	10.08	16.80	90.30	0.42	0.70	67.20	10.50	17.50	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.03	3.20	5.42	12.72	-10.61	-8.39	11.44	3.37	5.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.84
LEQ	61.30	52.74	59.48	53.98	38.94	45.67	52.70	52.92	59.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.84		EVENING LEQ	54.70		NIGHT LEQ	61.16		Use hour?	no
										GRADE dB	0.00
	CNEL		67.94								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **South of SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	17000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	492.29	10.20	17.00	91.38	0.43	0.71	68.00	10.63	17.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.08	3.25	5.47	12.77	-10.55	-8.34	11.49	3.43	5.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.99
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	61.35	52.79	59.53	54.03	38.99	45.73	52.75	52.97	59.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.75		NIGHT LEQ	61.21		Use hour?	no
										GRADE dB	0.00
	CNEL		67.99								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **South of SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	18300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	529.94	10.98	18.30	98.36	0.46	0.76	73.20	11.44	19.06	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.40	3.57	5.79	13.09	-10.23	-8.02	11.81	3.75	5.96		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.31
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.21
LEQ	61.67	53.11	59.85	54.35	39.31	46.05	53.07	53.29	60.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.21		EVENING LEQ	55.07		NIGHT LEQ	61.53		Use hour?	no
										GRADE dB	0.00
	CNEL		68.31								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Main Street**

Segment: **South of SR-60**

	DAYTIME			EVENING			NIGHTTIME			ADT	18500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	535.73	11.10	18.50	99.44	0.46	0.77	74.00	11.56	19.27	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.45	3.62	5.83	13.14	-10.19	-7.97	11.85	3.79	6.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.26
LEQ	61.72	53.16	59.90	54.40	39.36	46.09	53.12	53.33	60.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.26		EVENING LEQ	55.12		NIGHT LEQ	61.58		Use hour?	no
										GRADE dB	0.00
	CNEL		68.36								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	6600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.40	2.48	0.96	37.40	0.11	0.11	28.11	2.48	0.96	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.22	-2.90	-7.00	8.89	-16.42	-16.42	7.65	-2.90	-7.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.12
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.18
LEQ	57.49	46.64	47.06	50.16	33.12	37.64	48.91	46.64	47.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.18		EVENING LEQ	50.47		NIGHT LEQ	52.43		Use hour?	no
										GRADE dB	0.00
	CNEL		60.12								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	6700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	205.47	2.51	0.98	37.97	0.11	0.11	28.53	2.51	0.98	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.29	-2.84	-6.94	8.96	-16.36	-16.36	7.72	-2.84	-6.94		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.19
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.25
LEQ	57.55	46.70	47.12	50.22	33.18	37.70	48.98	46.70	47.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.25		EVENING LEQ	50.54		NIGHT LEQ	52.49		Use hour?	no
										GRADE dB	0.00
	CNEL		60.19								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	245.33	3.00	1.17	45.33	0.13	0.13	34.07	3.00	1.17	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	17.06	-2.07	-6.17	9.73	-15.59	-15.59	8.49	-2.07	-6.17		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.02
LEQ	58.32	47.48	47.89	50.99	33.95	38.47	49.75	47.48	47.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.02		EVENING LEQ	51.31		NIGHT LEQ	53.26		Use hour?	no
										GRADE dB	0.00
	CNEL		60.96								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	7300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	223.87	2.74	1.06	41.37	0.12	0.12	31.09	2.74	1.06	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.66	-2.46	-6.57	9.33	-15.99	-15.99	8.09	-2.46	-6.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.62
LEQ	57.93	47.08	47.50	50.59	33.56	38.08	49.35	47.08	47.50	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.62		EVENING LEQ	50.91		NIGHT LEQ	52.86		Use hour?	no
										GRADE dB	0.00
	CNEL		60.56								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	263.73	3.23	1.25	48.73	0.14	0.14	36.62	3.23	1.25	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	17.37	-1.75	-5.85	10.04	-15.27	-15.27	8.80	-1.75	-5.85		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.33
LEQ	58.64	47.79	48.21	51.30	34.27	38.79	50.06	47.79	48.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.33		EVENING LEQ	51.62		NIGHT LEQ	53.57		Use hour?	no
										GRADE dB	0.00
	CNEL		61.27								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **South of Olive Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	6500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	199.33	2.44	0.95	36.83	0.11	0.11	27.68	2.44	0.95	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.16	-2.97	-7.07	8.82	-16.49	-16.49	7.58	-2.97	-7.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.06
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.11
LEQ	57.42	46.57	46.99	50.09	33.05	37.57	48.85	46.57	46.99	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.11		EVENING LEQ	50.41		NIGHT LEQ	52.36		Use hour?	no
										GRADE dB	0.00
	CNEL		60.06								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **South of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	6600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.40	2.48	0.96	37.40	0.11	0.11	28.11	2.48	0.96	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.22	-2.90	-7.00	8.89	-16.42	-16.42	7.65	-2.90	-7.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.12
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.18
LEQ	57.49	46.64	47.06	50.16	33.12	37.64	48.91	46.64	47.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.18		EVENING LEQ	50.47		NIGHT LEQ	52.43		Use hour?	no
										GRADE dB	0.00
	CNEL		60.12								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **South of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	8700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	266.80	3.26	1.27	49.30	0.15	0.15	37.05	3.26	1.27	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	17.42	-1.70	-5.80	10.09	-15.22	-15.22	8.85	-1.70	-5.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.38
LEQ	58.69	47.84	48.26	51.35	34.32	38.84	50.11	47.84	48.26	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.38		EVENING LEQ	51.67		NIGHT LEQ	53.62		Use hour?	no
										GRADE dB	0.00
	CNEL		61.32								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **South of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	7600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	233.07	2.85	1.11	43.07	0.13	0.13	32.36	2.85	1.11	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.84	-2.29	-6.39	9.50	-15.81	-15.81	8.26	-2.29	-6.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.79
LEQ	58.10	47.25	47.67	50.77	33.73	38.25	49.53	47.25	47.67	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.79		EVENING LEQ	51.09		NIGHT LEQ	53.04		Use hour?	no
										GRADE dB	0.00
	CNEL		60.73								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **South of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	9700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	297.47	3.64	1.41	54.97	0.16	0.16	41.31	3.64	1.41	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	17.90	-1.23	-5.33	10.56	-14.75	-14.75	9.32	-1.23	-5.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.79
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.85
LEQ	59.16	48.31	48.73	51.83	34.79	39.31	50.59	48.31	48.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.85		EVENING LEQ	52.14		NIGHT LEQ	54.10		Use hour?	no
										GRADE dB	0.00
	CNEL		61.79								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	6200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	190.13	2.33	0.90	35.13	0.10	0.10	26.40	2.33	0.90	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	15.95	-3.17	-7.28	8.62	-16.70	-16.70	7.38	-3.17	-7.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.91
LEQ	57.22	46.37	46.79	49.88	32.85	37.37	48.64	46.37	46.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.91		EVENING LEQ	50.20		NIGHT LEQ	52.15		Use hour?	no
										GRADE dB	0.00
	CNEL		59.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	6300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	193.20	2.36	0.92	35.70	0.11	0.11	26.83	2.36	0.92	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.02	-3.10	-7.21	8.69	-16.63	-16.63	7.45	-3.10	-7.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.98
LEQ	57.29	46.44	46.86	49.95	32.92	37.44	48.71	46.44	46.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.98		EVENING LEQ	50.27		NIGHT LEQ	52.22		Use hour?	no
										GRADE dB	0.00
	CNEL		59.92								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	18200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.13	6.83	2.65	103.13	0.30	0.30	77.50	6.83	2.65	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	20.63	1.50	-2.60	13.30	-12.02	-12.02	12.06	1.50	-2.60		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.53
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.59
LEQ	61.89	51.04	51.46	54.56	37.52	42.04	53.32	51.04	51.46	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.59		EVENING LEQ	54.88		NIGHT LEQ	56.83		Use hour?	no
										GRADE dB	0.00
	CNEL		64.53								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	7200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	220.80	2.70	1.05	40.80	0.12	0.12	30.66	2.70	1.05	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	16.60	-2.52	-6.63	9.27	-16.05	-16.05	8.03	-2.52	-6.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.56
LEQ	57.87	47.02	47.44	50.53	33.50	38.02	49.29	47.02	47.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.56		EVENING LEQ	50.85		NIGHT LEQ	52.80		Use hour?	no
										GRADE dB	0.00
	CNEL		60.50								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Meridian Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	19100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	585.73	7.16	2.79	108.23	0.32	0.32	81.33	7.16	2.79	% A	97.40
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	0.74
ADJUSTMENTS											
Flow	20.84	1.71	-2.39	13.51	-11.81	-11.81	12.26	1.71	-2.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.80
LEQ	62.10	51.25	51.67	54.77	37.73	42.25	53.53	51.25	51.67	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.80		EVENING LEQ	55.09		NIGHT LEQ	57.04		Use hour?	no
										GRADE dB	0.00
	CNEL		64.74								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	116.53	1.43	0.55	21.53	0.06	0.06	16.18	1.43	0.55	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	14.92	-4.21	-8.31	7.58	-17.73	-17.73	6.34	-4.21	-8.31		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	55.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	52.96
LEQ	51.95	42.54	43.66	44.61	29.02	34.24	43.37	42.54	43.66	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	52.96		EVENING LEQ	45.10		NIGHT LEQ	47.99		Use hour?	no
										GRADE dB	0.00
	CNEL		55.41								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	128.80	1.58	0.61	23.80	0.07	0.07	17.89	1.58	0.61	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	15.35	-3.77	-7.88	8.02	-17.30	-17.30	6.78	-3.77	-7.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	55.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.40
LEQ	52.38	42.97	44.09	45.05	29.45	34.67	43.81	42.97	44.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.40		EVENING LEQ	45.54		NIGHT LEQ	48.42		Use hour?	no
										GRADE dB	0.00
	CNEL		55.84								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	134.93	1.65	0.64	24.93	0.07	0.07	18.74	1.65	0.64	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	15.55	-3.57	-7.67	8.22	-17.09	-17.09	6.98	-3.57	-7.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	56.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.60
LEQ	52.58	43.18	44.29	45.25	29.65	34.87	44.01	43.18	44.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.60		EVENING LEQ	45.74		NIGHT LEQ	48.62		Use hour?	no
										GRADE dB	0.00
	CNEL		56.05								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	414.00	5.06	1.97	76.50	0.23	0.23	57.49	5.06	1.97	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.42	1.30	-2.80	13.09	-12.22	-12.22	11.85	1.30	-2.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.47
LEQ	57.45	48.04	49.16	50.12	34.52	39.74	48.88	48.04	49.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.47		EVENING LEQ	50.61		NIGHT LEQ	53.49		Use hour?	no
										GRADE dB	0.00
	CNEL		60.92								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **West of Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	420.13	5.14	2.00	77.63	0.23	0.23	58.34	5.14	2.00	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.49	1.36	-2.74	13.15	-12.16	-12.16	11.91	1.36	-2.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.98
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.53
LEQ	57.52	48.11	49.23	50.18	34.59	39.80	48.94	48.11	49.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.53		EVENING LEQ	50.67		NIGHT LEQ	53.56		Use hour?	no
										GRADE dB	0.00
	CNEL		60.98								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	386.40	4.73	1.84	71.40	0.21	0.21	53.66	4.73	1.84	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.12	1.00	-3.10	12.79	-12.52	-12.52	11.55	1.00	-3.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.17
LEQ	57.15	47.75	48.86	49.82	34.22	39.44	48.58	47.75	48.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.17		EVENING LEQ	50.31		NIGHT LEQ	53.19		Use hour?	no
										GRADE dB	0.00
	CNEL		60.62								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	392.53	4.80	1.87	72.53	0.21	0.21	54.51	4.80	1.87	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.19	1.07	-3.04	12.86	-12.46	-12.46	11.62	1.07	-3.04		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.24
LEQ	57.22	47.81	48.93	49.89	34.29	39.51	48.65	47.81	48.93	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.24		EVENING LEQ	50.38		NIGHT LEQ	53.26		Use hour?	no
										GRADE dB	0.00
	CNEL		60.68								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	392.53	4.80	1.87	72.53	0.21	0.21	54.51	4.80	1.87	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.19	1.07	-3.04	12.86	-12.46	-12.46	11.62	1.07	-3.04		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.24
LEQ	57.22	47.81	48.93	49.89	34.29	39.51	48.65	47.81	48.93	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.24		EVENING LEQ	50.38		NIGHT LEQ	53.26		Use hour?	no
										GRADE dB	0.00
	CNEL		60.68								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	435.47	5.33	2.07	80.47	0.24	0.24	60.47	5.33	2.07	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.64	1.52	-2.59	13.31	-12.01	-12.01	12.07	1.52	-2.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.69
LEQ	57.67	48.26	49.38	50.34	34.74	39.96	49.10	48.26	49.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.69		EVENING LEQ	50.83		NIGHT LEQ	53.71		Use hour?	no
										GRADE dB	0.00
	CNEL		61.13								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	435.47	5.33	2.07	80.47	0.24	0.24	60.47	5.33	2.07	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	20.64	1.52	-2.59	13.31	-12.01	-12.01	12.07	1.52	-2.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.69
LEQ	57.67	48.26	49.38	50.34	34.74	39.96	49.10	48.26	49.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.69		EVENING LEQ	50.83		NIGHT LEQ	53.71		Use hour?	no
										GRADE dB	0.00
	CNEL		61.13								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	208.53	2.55	0.99	38.53	0.11	0.11	28.96	2.55	0.99	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	17.45	-1.68	-5.78	10.11	-15.20	-15.20	8.87	-1.68	-5.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.49
LEQ	54.47	45.07	46.18	47.14	31.54	36.76	45.90	45.07	46.18	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.49		EVENING LEQ	47.63		NIGHT LEQ	50.51		Use hour?	no
										GRADE dB	0.00
	CNEL		57.94								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	211.60	2.59	1.01	39.10	0.12	0.12	29.38	2.59	1.01	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	17.51	-1.62	-5.72	10.18	-15.14	-15.14	8.93	-1.62	-5.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.55
LEQ	54.54	45.13	46.25	47.20	31.61	36.83	45.96	45.13	46.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.55		EVENING LEQ	47.69		NIGHT LEQ	50.58		Use hour?	no
										GRADE dB	0.00
	CNEL		58.00								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	276.00	3.38	1.31	51.00	0.15	0.15	38.33	3.38	1.31	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.66	-0.46	-4.57	11.33	-13.99	-13.99	10.09	-0.46	-4.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.15
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.71
LEQ	55.69	46.28	47.40	48.36	32.76	37.98	47.12	46.28	47.40	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.71		EVENING LEQ	48.85		NIGHT LEQ	51.73		Use hour?	no
										GRADE dB	0.00
	CNEL		59.15								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	230.00	2.81	1.09	42.50	0.13	0.13	31.94	2.81	1.09	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	17.87	-1.26	-5.36	10.54	-14.78	-14.78	9.30	-1.26	-5.36		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.91
LEQ	54.90	45.49	46.61	47.57	31.97	37.19	46.33	45.49	46.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.91		EVENING LEQ	48.06		NIGHT LEQ	50.94		Use hour?	no
										GRADE dB	0.00
	CNEL		58.36								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Merill Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	294.40	3.60	1.40	54.40	0.16	0.16	40.88	3.60	1.40	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.94	-0.18	-4.29	11.61	-13.71	-13.71	10.37	-0.18	-4.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.99
LEQ	55.97	46.56	47.68	48.64	33.04	38.26	47.40	46.56	47.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.99		EVENING LEQ	49.13		NIGHT LEQ	52.01		Use hour?	no
										GRADE dB	0.00
	CNEL		59.43								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Mill Street**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	257.60	3.15	1.23	47.60	0.14	0.14	35.77	3.15	1.23	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.36	-0.76	-4.87	11.03	-14.29	-14.29	9.79	-0.76	-4.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.41
LEQ	55.39	45.98	47.10	48.06	32.46	37.68	46.82	45.98	47.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.41		EVENING LEQ	48.55		NIGHT LEQ	51.43		Use hour?	no
										GRADE dB	0.00
	CNEL		58.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Mill Street**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	260.67	3.19	1.24	48.17	0.14	0.14	36.20	3.19	1.24	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.41	-0.71	-4.81	11.08	-14.23	-14.23	9.84	-0.71	-4.81		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.91
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.46
LEQ	55.44	46.04	47.15	48.11	32.51	37.73	46.87	46.04	47.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.46		EVENING LEQ	48.60		NIGHT LEQ	51.48		Use hour?	no
										GRADE dB	0.00
	CNEL		58.91								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Mill Street**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	291.33	3.56	1.39	53.83	0.16	0.16	40.45	3.56	1.39	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.90	-0.23	-4.33	11.56	-13.75	-13.75	10.32	-0.23	-4.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.39
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.94
LEQ	55.93	46.52	47.64	48.59	33.00	38.21	47.35	46.52	47.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.94		EVENING LEQ	49.08		NIGHT LEQ	51.97		Use hour?	no
										GRADE dB	0.00
	CNEL		59.39								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Mill Street**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	282.13	3.45	1.34	52.13	0.15	0.15	39.18	3.45	1.34	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	18.76	-0.37	-4.47	11.42	-13.89	-13.89	10.18	-0.37	-4.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.25
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.80
LEQ	55.79	46.38	47.50	48.45	32.86	38.08	47.21	46.38	47.50	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.80		EVENING LEQ	48.94		NIGHT LEQ	51.83		Use hour?	no
										GRADE dB	0.00
	CNEL		59.25								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Mill Street**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	10200.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	312.80	3.83	1.49	57.80	0.17	0.17	43.44	3.83	1.49	% A	97.40
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	0.74
ADJUSTMENTS											
Flow	19.21	0.08	-4.02	11.87	-13.44	-13.44	10.63	0.08	-4.02		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.25
LEQ	56.24	46.83	47.94	48.90	33.31	38.52	47.66	46.83	47.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.25		EVENING LEQ	49.39		NIGHT LEQ	52.27		Use hour?	no
										GRADE dB	0.00
	CNEL		59.70								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **Fairway Drive to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	15100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	437.27	9.06	15.10	81.16	0.38	0.63	60.40	9.44	15.73	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	20.66	3.82	6.04	13.35	-9.98	-7.76	12.06	4.00	6.22		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.25
LEQ	57.69	50.57	58.01	50.38	36.77	44.21	49.09	50.75	58.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.25		EVENING LEQ	51.47		NIGHT LEQ	59.34		Use hour?	no
										GRADE dB	0.00
	CNEL		65.96								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **Fairway Drive to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	15800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	457.54	9.48	15.80	84.93	0.40	0.66	63.20	9.88	16.46	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	20.86	4.02	6.24	13.54	-9.78	-7.56	12.26	4.20	6.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.15
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.45
LEQ	57.89	50.77	58.21	50.57	36.97	44.40	49.29	50.95	58.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.45		EVENING LEQ	51.66		NIGHT LEQ	59.53		Use hour?	no
										GRADE dB	0.00
	CNEL		66.15								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **Fairway Drive to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	18000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	521.25	10.80	18.00	96.75	0.45	0.75	72.00	11.25	18.75	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	21.42	4.59	6.81	14.11	-9.21	-7.00	12.83	4.77	6.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.01
LEQ	58.45	51.34	58.77	51.14	37.53	44.97	49.86	51.51	58.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.01		EVENING LEQ	52.23		NIGHT LEQ	60.10		Use hour?	no
										GRADE dB	0.00
	CNEL		66.72								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **Fairway Drive to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	20200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	584.96	12.12	20.20	108.58	0.51	0.84	80.80	12.63	21.04	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	21.92	5.09	7.31	14.61	-8.71	-6.50	13.33	5.27	7.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.22
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.52
LEQ	58.95	51.84	59.27	51.64	38.03	45.47	50.36	52.01	59.45	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.52		EVENING LEQ	52.73		NIGHT LEQ	60.60		Use hour?	no
										GRADE dB	0.00
	CNEL		67.22								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **Fairway Drive to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	22400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	648.67	13.44	22.40	120.40	0.56	0.93	89.60	14.00	23.33	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	22.37	5.54	7.76	15.06	-8.26	-6.05	13.78	5.71	7.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.67
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.96
LEQ	59.40	52.29	59.72	52.09	38.48	45.92	50.81	52.46	59.90	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.96		EVENING LEQ	53.18		NIGHT LEQ	61.05		Use hour?	no
										GRADE dB	0.00
	CNEL		67.67								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **I-10 to M Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	22300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	645.77	13.38	22.30	119.86	0.56	0.93	89.20	13.94	23.23	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	22.35	5.52	7.74	15.04	-8.28	-6.07	13.76	5.70	7.91		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.94
LEQ	59.38	52.27	59.70	52.07	38.46	45.90	50.79	52.44	59.88	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.94		EVENING LEQ	53.16		NIGHT LEQ	61.03		Use hour?	no
										GRADE dB	0.00
	CNEL		67.65								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **I-10 to M Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	22900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	663.15	13.74	22.90	123.09	0.57	0.95	91.60	14.31	23.85	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	22.47	5.63	7.85	15.16	-8.17	-5.95	13.87	5.81	8.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.06
LEQ	59.50	52.38	59.82	52.19	38.58	46.02	50.90	52.56	59.99	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.06		EVENING LEQ	53.27		NIGHT LEQ	61.15		Use hour?	no
										GRADE dB	0.00
	CNEL		67.77								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **I-10 to M Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	22900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	663.15	13.74	22.90	123.09	0.57	0.95	91.60	14.31	23.85	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	22.47	5.63	7.85	15.16	-8.17	-5.95	13.87	5.81	8.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.06
LEQ	59.50	52.38	59.82	52.19	38.58	46.02	50.90	52.56	59.99	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.06		EVENING LEQ	53.27		NIGHT LEQ	61.15		Use hour?	no
										GRADE dB	0.00
	CNEL		67.77								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **I-10 to M Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	26600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	770.29	15.96	26.60	142.98	0.67	1.11	106.40	16.63	27.71	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	23.12	6.28	8.50	15.81	-7.52	-5.30	14.52	6.46	8.68		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.71
LEQ	60.15	53.03	60.47	52.84	39.23	46.67	51.55	53.21	60.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.71		EVENING LEQ	53.93		NIGHT LEQ	61.80		Use hour?	no
										GRADE dB	0.00
	CNEL		68.42								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Mount Vernon Avenue**

Segment: **I-10 to M Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	26600.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	770.29	15.96	26.60	142.98	0.67	1.11	106.40	16.63	27.71	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	23.12	6.28	8.50	15.81	-7.52	-5.30	14.52	6.46	8.68		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.71
LEQ	60.15	53.03	60.47	52.84	39.23	46.67	51.55	53.21	60.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.71		EVENING LEQ	53.93		NIGHT LEQ	61.80		Use hour?	no
										GRADE dB	0.00
	CNEL		68.42								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **West of Rancho Aveneue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	110.04	2.28	3.80	20.43	0.10	0.16	15.20	2.38	3.96	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	14.67	-2.17	0.05	7.36	-15.97	-13.75	6.07	-1.99	0.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.97
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.26
LEQ	51.70	44.58	52.02	44.38	30.78	38.21	43.10	44.76	52.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.26		EVENING LEQ	45.47		NIGHT LEQ	53.35		Use hour?	no
										GRADE dB	0.00
	CNEL		59.97								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **West of Rancho Aveneue**

	DAYTIME			EVENING			NIGHTTIME			ADT	3900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	112.94	2.34	3.90	20.96	0.10	0.16	15.60	2.44	4.06	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	14.78	-2.05	0.16	7.47	-15.86	-13.64	6.18	-1.88	0.34		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.37
LEQ	51.81	44.69	52.13	44.50	30.89	38.33	43.21	44.87	52.31	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.37		EVENING LEQ	45.59		NIGHT LEQ	53.46		Use hour?	no
										GRADE dB	0.00
	CNEL		60.08								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **West of Rancho Aveneue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	222.98	4.62	7.70	41.39	0.19	0.32	30.80	4.81	8.02	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.74	0.90	3.12	10.42	-12.90	-10.68	9.14	1.08	3.30		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.33
LEQ	54.77	47.65	55.08	47.45	33.85	41.28	46.17	47.82	55.26	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.33		EVENING LEQ	48.54		NIGHT LEQ	56.41		Use hour?	no
										GRADE dB	0.00
	CNEL		63.03								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **West of Rancho Aveneue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	121.63	2.52	4.20	22.58	0.11	0.18	16.80	2.63	4.38	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	15.10	-1.73	0.49	7.79	-15.53	-13.32	6.51	-1.56	0.66		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.40
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.69
LEQ	52.13	45.02	52.45	44.82	31.21	38.65	43.54	45.19	52.63	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.69		EVENING LEQ	45.91		NIGHT LEQ	53.78		Use hour?	no
										GRADE dB	0.00
	CNEL		60.40								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **West of Rancho Aveneue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	231.67	4.80	8.00	43.00	0.20	0.33	32.00	5.00	8.33	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.90	1.07	3.28	10.59	-12.74	-10.52	9.30	1.24	3.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.20
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.49
LEQ	54.93	47.81	55.25	47.62	34.01	41.45	46.33	47.99	55.43	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.49		EVENING LEQ	48.71		NIGHT LEQ	56.58		Use hour?	no
										GRADE dB	0.00
	CNEL		63.20								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **East of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	63.71	1.32	2.20	11.83	0.06	0.09	8.80	1.38	2.29	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	12.30	-4.54	-2.32	4.98	-18.34	-16.12	3.70	-4.36	-2.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	52.89
LEQ	49.32	42.21	49.64	42.01	28.40	35.84	40.73	42.38	49.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	52.89		EVENING LEQ	43.10		NIGHT LEQ	50.97		Use hour?	no
										GRADE dB	0.00
	CNEL		57.59								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **East of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	66.60	1.38	2.30	12.36	0.06	0.10	9.20	1.44	2.40	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	12.49	-4.35	-2.13	5.17	-18.15	-15.93	3.89	-4.17	-1.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.78
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.08
LEQ	49.52	42.40	49.84	42.20	28.60	36.03	40.92	42.58	50.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.08		EVENING LEQ	43.29		NIGHT LEQ	51.17		Use hour?	no
										GRADE dB	0.00
	CNEL		57.78								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **East of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	150.58	3.12	5.20	27.95	0.13	0.22	20.80	3.25	5.42	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.03	-0.80	1.41	8.72	-14.61	-12.39	7.43	-0.63	1.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.62
LEQ	53.06	45.94	53.38	45.75	32.14	39.58	44.46	46.12	53.56	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.62		EVENING LEQ	46.84		NIGHT LEQ	54.71		Use hour?	no
										GRADE dB	0.00
	CNEL		61.33								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **East of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	2700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	78.19	1.62	2.70	14.51	0.07	0.11	10.80	1.69	2.81	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	13.18	-3.65	-1.43	5.87	-17.45	-15.23	4.59	-3.47	-1.26		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.48
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.78
LEQ	50.21	43.10	50.53	42.90	29.29	36.73	41.62	43.27	50.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.78		EVENING LEQ	43.99		NIGHT LEQ	51.86		Use hour?	no
										GRADE dB	0.00
	CNEL		58.48								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Olive Street**

Segment: **East of Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	162.17	3.36	5.60	30.10	0.14	0.23	22.40	3.50	5.83	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.35	-0.48	1.74	9.04	-14.29	-12.07	7.76	-0.31	1.91		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.94
LEQ	53.38	46.26	53.70	46.07	32.46	39.90	44.79	46.44	53.88	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.94		EVENING LEQ	47.16		NIGHT LEQ	55.03		Use hour?	no
										GRADE dB	0.00
	CNEL		61.65								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **SR-210 to Baseline Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	1800.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	52.13	1.08	1.80	9.68	0.05	0.08	7.20	1.13	1.88	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	9.87	-6.96	-4.74	2.56	-20.76	-18.54	1.28	-6.78	-4.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.11
LEQ	52.91	43.75	50.20	45.60	29.95	36.39	44.32	43.93	50.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.11		EVENING LEQ	46.20		NIGHT LEQ	52.06		Use hour?	no
										GRADE dB	0.00
	CNEL		58.93								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **SR-210 to Baseline Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	2900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	83.98	1.74	2.90	15.59	0.07	0.12	11.60	1.81	3.02	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	11.95	-4.89	-2.67	4.63	-18.69	-16.47	3.35	-4.71	-2.49		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.18
LEQ	54.99	45.82	52.27	47.67	32.02	38.47	46.39	46.00	52.45	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.18		EVENING LEQ	48.27		NIGHT LEQ	54.13		Use hour?	no
										GRADE dB	0.00
	CNEL		61.00								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **SR-210 to Baseline Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	5400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	156.38	3.24	5.40	29.03	0.14	0.23	21.60	3.38	5.63	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	14.65	-2.19	0.03	7.33	-15.99	-13.77	6.05	-2.01	0.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.88
LEQ	57.69	48.52	54.97	50.37	34.72	41.17	49.09	48.70	55.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.88		EVENING LEQ	50.97		NIGHT LEQ	56.83		Use hour?	no
										GRADE dB	0.00
	CNEL		63.70								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **SR-210 to Baseline Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	21100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	611.02	12.66	21.10	113.41	0.53	0.88	84.40	13.19	21.98	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.57	3.73	5.95	13.25	-10.07	-7.85	11.97	3.91	6.12		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.80
LEQ	63.60	54.44	60.89	56.29	40.64	47.09	55.01	54.62	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.80		EVENING LEQ	56.89		NIGHT LEQ	62.75		Use hour?	no
										GRADE dB	0.00
	CNEL		69.62								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **SR-210 to Baseline Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23600.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	683.42	14.16	23.60	126.85	0.59	0.98	94.40	14.75	24.58	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.05	4.22	6.43	13.74	-9.59	-7.37	12.45	4.39	6.61		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.28
LEQ	64.09	54.93	61.37	56.78	41.13	47.57	55.49	55.11	61.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.28		EVENING LEQ	57.37		NIGHT LEQ	63.24		Use hour?	no
										GRADE dB	0.00
	CNEL		70.10								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	217.19	4.50	7.50	40.31	0.19	0.31	30.00	4.69	7.81	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	16.07	-0.76	1.46	8.76	-14.57	-12.35	7.48	-0.59	1.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.30
LEQ	59.11	49.95	56.39	51.80	36.15	42.59	50.52	50.13	56.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.30		EVENING LEQ	52.40		NIGHT LEQ	58.26		Use hour?	no
										GRADE dB	0.00
	CNEL		65.13								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	251.94	5.22	8.70	46.76	0.22	0.36	34.80	5.44	9.06	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	16.72	-0.12	2.10	9.40	-13.92	-11.70	8.12	0.06	2.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.95
LEQ	59.76	50.59	57.04	52.44	36.79	43.24	51.16	50.77	57.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.95		EVENING LEQ	53.04		NIGHT LEQ	58.90		Use hour?	no
										GRADE dB	0.00
	CNEL		65.77								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	414.10	8.58	14.30	76.86	0.36	0.60	57.20	8.94	14.90	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.88	2.04	4.26	11.56	-11.76	-9.54	10.28	2.22	4.44		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.11
LEQ	61.92	52.75	59.20	54.60	38.95	45.40	53.32	52.93	59.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.11		EVENING LEQ	55.20		NIGHT LEQ	61.06		Use hour?	no
										GRADE dB	0.00
	CNEL		67.93								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	469.13	9.72	16.20	87.08	0.41	0.68	64.80	10.13	16.88	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.42	2.58	4.80	12.10	-11.22	-9.00	10.82	2.76	4.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.65
LEQ	62.46	53.29	59.74	55.14	39.49	45.94	53.86	53.47	59.92	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.65		EVENING LEQ	55.74		NIGHT LEQ	61.60		Use hour?	no
										GRADE dB	0.00
	CNEL		68.47								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	631.29	13.08	21.80	117.18	0.55	0.91	87.20	13.63	22.71	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.71	3.87	6.09	13.39	-9.93	-7.71	12.11	4.05	6.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.94
LEQ	63.75	54.58	61.03	56.43	40.78	47.23	55.15	54.76	61.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.94		EVENING LEQ	57.03		NIGHT LEQ	62.89		Use hour?	no
										GRADE dB	0.00
	CNEL		69.76								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	9000.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	260.63	5.40	9.00	48.38	0.23	0.38	36.00	5.63	9.38	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	16.86	0.03	2.25	9.55	-13.77	-11.56	8.27	0.21	2.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.10
LEQ	59.90	50.74	57.19	52.59	36.94	43.38	51.31	50.92	57.36	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.10		EVENING LEQ	53.19		NIGHT LEQ	59.05		Use hour?	no
										GRADE dB	0.00
	CNEL		65.92								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	10100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	292.48	6.06	10.10	54.29	0.25	0.42	40.40	6.31	10.52	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.37	0.53	2.75	10.05	-13.27	-11.05	8.77	0.71	2.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.60
LEQ	60.41	51.24	57.69	53.09	37.44	43.89	51.81	51.42	57.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.60		EVENING LEQ	53.69		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.42								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	16200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	469.13	9.72	16.20	87.08	0.41	0.68	64.80	10.13	16.88	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.42	2.58	4.80	12.10	-11.22	-9.00	10.82	2.76	4.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.65
LEQ	62.46	53.29	59.74	55.14	39.49	45.94	53.86	53.47	59.92	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.65		EVENING LEQ	55.74		NIGHT LEQ	61.60		Use hour?	no
										GRADE dB	0.00
	CNEL		68.47								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	17000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	492.29	10.20	17.00	91.38	0.43	0.71	68.00	10.63	17.71	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.63	2.79	5.01	12.31	-11.01	-8.79	11.03	2.97	5.19		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.86
LEQ	62.67	53.50	59.95	55.35	39.70	46.15	54.07	53.68	60.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.86		EVENING LEQ	55.95		NIGHT LEQ	61.81		Use hour?	no
										GRADE dB	0.00
	CNEL		68.68								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	23100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	668.94	13.86	23.10	124.16	0.58	0.96	92.40	14.44	24.06	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.96	4.12	6.34	13.64	-9.68	-7.46	12.36	4.30	6.52		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.01
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.19
LEQ	64.00	54.84	61.28	56.68	41.03	47.48	55.40	55.01	61.46	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.19		EVENING LEQ	57.28		NIGHT LEQ	63.14		Use hour?	no
										GRADE dB	0.00
	CNEL		70.01								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16000.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	463.33	9.60	16.00	86.00	0.40	0.67	64.00	10.00	16.67	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.36	2.53	4.75	12.05	-11.27	-9.06	10.77	2.70	4.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.59
LEQ	62.40	53.24	59.69	55.09	39.44	45.88	53.81	53.42	59.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.59		EVENING LEQ	55.69		NIGHT LEQ	61.55		Use hour?	no
										GRADE dB	0.00
	CNEL		68.42								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	483.60	10.02	16.70	89.76	0.42	0.70	66.80	10.44	17.40	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.55	2.71	4.93	12.24	-11.09	-8.87	10.95	2.89	5.11		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.60
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.78
LEQ	62.59	53.43	59.87	55.28	39.62	46.07	53.99	53.60	60.05	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.78		EVENING LEQ	55.87		NIGHT LEQ	61.74		Use hour?	no
										GRADE dB	0.00
	CNEL		68.60								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	25100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	726.85	15.06	25.10	134.91	0.63	1.05	100.40	15.69	26.15	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.32	4.48	6.70	14.00	-9.32	-7.10	12.72	4.66	6.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.37
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.55
LEQ	64.36	55.20	61.64	57.04	41.39	47.84	55.76	55.37	61.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.55		EVENING LEQ	57.64		NIGHT LEQ	63.51		Use hour?	no
										GRADE dB	0.00
	CNEL		70.37								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	608.13	12.60	21.00	112.88	0.53	0.88	84.00	13.13	21.88	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.54	3.71	5.93	13.23	-10.09	-7.88	11.95	3.89	6.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.60
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.78
LEQ	63.58	54.42	60.87	56.27	40.62	47.06	54.99	54.60	61.04	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.78		EVENING LEQ	56.87		NIGHT LEQ	62.73		Use hour?	no
										GRADE dB	0.00
	CNEL		69.60								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	29400.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	851.38	17.64	29.40	158.03	0.74	1.23	117.60	18.38	30.63	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.01	5.17	7.39	14.69	-8.63	-6.41	13.41	5.35	7.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.06
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.24
LEQ	65.05	55.88	62.33	57.73	42.08	48.53	56.45	56.06	62.51	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.24		EVENING LEQ	58.33		NIGHT LEQ	64.19		Use hour?	no
										GRADE dB	0.00
	CNEL		71.06								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Rialto Avenue to Merill Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	19300.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.18	3.34	5.56	12.86	-10.46	-8.24	11.58	3.52	5.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.41
LEQ	63.22	54.05	60.50	55.90	40.25	46.70	54.62	54.23	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.41		EVENING LEQ	56.50		NIGHT LEQ	62.36		Use hour?	no
										GRADE dB	0.00
	CNEL		69.23								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Rialto Avenue to Merill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	567.58	11.76	19.60	105.35	0.49	0.82	78.40	12.25	20.42	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.24	3.41	5.63	12.93	-10.39	-8.18	11.65	3.59	5.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.48
LEQ	63.28	54.12	60.57	55.97	40.32	46.76	54.69	54.30	60.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.48		EVENING LEQ	56.57		NIGHT LEQ	62.43		Use hour?	no
										GRADE dB	0.00
	CNEL		69.30								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Rialto Avenue to Merill Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	29900.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	865.85	17.94	29.90	160.71	0.75	1.25	119.60	18.69	31.15	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.08	5.24	7.46	14.76	-8.56	-6.34	13.48	5.42	7.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.31
LEQ	65.12	55.96	62.40	57.80	42.15	48.60	56.52	56.13	62.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.31		EVENING LEQ	58.40		NIGHT LEQ	64.27		Use hour?	no
										GRADE dB	0.00
	CNEL		71.13								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Rialto Avenue to Merill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	613.92	12.72	21.20	113.95	0.53	0.88	84.80	13.25	22.08	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.59	3.75	5.97	13.27	-10.05	-7.83	11.99	3.93	6.15		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.64
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.82
LEQ	63.63	54.46	60.91	56.31	40.66	47.11	55.03	54.64	61.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.82		EVENING LEQ	56.91		NIGHT LEQ	62.77		Use hour?	no
										GRADE dB	0.00
	CNEL		69.64								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Rialto Avenue to Merill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	31500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	912.19	18.90	31.50	169.31	0.79	1.31	126.00	19.69	32.81	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.31	5.47	7.69	14.99	-8.33	-6.11	13.71	5.65	7.86		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.54
LEQ	65.34	56.18	62.63	58.03	42.38	48.83	56.75	56.36	62.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.54		EVENING LEQ	58.63		NIGHT LEQ	64.49		Use hour?	no
										GRADE dB	0.00
	CNEL		71.36								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	431.48	8.94	14.90	80.09	0.37	0.62	59.60	9.31	15.52	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.05	2.22	4.44	11.74	-11.58	-9.37	10.46	2.40	4.61		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.11
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.28
LEQ	62.09	52.93	59.38	54.78	39.13	45.57	53.50	53.11	59.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.28		EVENING LEQ	55.38		NIGHT LEQ	61.24		Use hour?	no
										GRADE dB	0.00
	CNEL		68.11								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	437.27	9.06	15.10	81.16	0.38	0.63	60.40	9.44	15.73	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.11	2.28	4.49	11.80	-11.53	-9.31	10.51	2.45	4.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.16
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.34
LEQ	62.15	52.99	59.43	54.84	39.19	45.63	53.55	53.17	59.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.34		EVENING LEQ	55.43		NIGHT LEQ	61.30		Use hour?	no
										GRADE dB	0.00
	CNEL		68.16								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	28500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	825.31	17.10	28.50	153.19	0.71	1.19	114.00	17.81	29.69	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.87	5.03	7.25	14.56	-8.77	-6.55	13.27	5.21	7.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.10
LEQ	64.91	55.75	62.19	57.60	41.95	48.39	56.31	55.92	62.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.10		EVENING LEQ	58.19		NIGHT LEQ	64.06		Use hour?	no
										GRADE dB	0.00
	CNEL		70.92								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	474.92	9.84	16.40	88.15	0.41	0.68	65.60	10.25	17.08	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.47	2.63	4.85	12.16	-11.17	-8.95	10.87	2.81	5.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.70
LEQ	62.51	53.35	59.79	55.20	39.55	45.99	53.91	53.52	59.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.70		EVENING LEQ	55.79		NIGHT LEQ	61.66		Use hour?	no
										GRADE dB	0.00
	CNEL		68.52								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	474.92	9.84	16.40	88.15	0.41	0.68	65.60	10.25	17.08	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.47	2.63	4.85	12.16	-11.17	-8.95	10.87	2.81	5.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.70
LEQ	62.51	53.35	59.79	55.20	39.55	45.99	53.91	53.52	59.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.70		EVENING LEQ	55.79		NIGHT LEQ	61.66		Use hour?	no
										GRADE dB	0.00
	CNEL		68.52								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	512.56	10.62	17.70	95.14	0.44	0.74	70.80	11.06	18.44	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.80	2.97	5.18	12.49	-10.84	-8.62	11.20	3.14	5.36		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.03
LEQ	62.84	53.68	60.12	55.53	39.88	46.32	54.24	53.86	60.30	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.03		EVENING LEQ	56.12		NIGHT LEQ	61.99		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	521.25	10.80	18.00	96.75	0.45	0.75	72.00	11.25	18.75	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.87	3.04	5.26	12.56	-10.76	-8.54	11.28	3.22	5.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.11
LEQ	62.91	53.75	60.20	55.60	39.95	46.39	54.32	53.93	60.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.11		EVENING LEQ	56.20		NIGHT LEQ	62.06		Use hour?	no
										GRADE dB	0.00
	CNEL		68.93								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	32600.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	944.04	19.56	32.60	175.23	0.82	1.36	130.40	20.38	33.96	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.45	5.62	7.84	15.14	-8.18	-5.97	13.86	5.80	8.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.69
LEQ	65.49	56.33	62.78	58.18	42.53	48.97	56.90	56.51	62.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.69		EVENING LEQ	58.78		NIGHT LEQ	64.64		Use hour?	no
										GRADE dB	0.00
	CNEL		71.51								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	567.58	11.76	19.60	105.35	0.49	0.82	78.40	12.25	20.42	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.24	3.41	5.63	12.93	-10.39	-8.18	11.65	3.59	5.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.48
LEQ	63.28	54.12	60.57	55.97	40.32	46.76	54.69	54.30	60.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.48		EVENING LEQ	56.57		NIGHT LEQ	62.43		Use hour?	no
										GRADE dB	0.00
	CNEL		69.30								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	34200.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	990.38	20.52	34.20	183.83	0.86	1.43	136.80	21.38	35.63	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.66	5.83	8.04	15.35	-7.98	-5.76	14.07	6.00	8.22		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.89
LEQ	65.70	56.54	62.98	58.39	42.74	49.18	57.11	56.72	63.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.89		EVENING LEQ	58.98		NIGHT LEQ	64.85		Use hour?	no
										GRADE dB	0.00
	CNEL		71.72								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **San Bernardino Avenue to Violet Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.18	3.34	5.56	12.86	-10.46	-8.24	11.58	3.52	5.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.41
LEQ	63.22	54.05	60.50	55.90	40.25	46.70	54.62	54.23	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.41		EVENING LEQ	56.50		NIGHT LEQ	62.36		Use hour?	no
										GRADE dB	0.00
	CNEL		69.23								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **San Bernardino Avenue to Violet Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	19600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	567.58	11.76	19.60	105.35	0.49	0.82	78.40	12.25	20.42	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.24	3.41	5.63	12.93	-10.39	-8.18	11.65	3.59	5.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.48
LEQ	63.28	54.12	60.57	55.97	40.32	46.76	54.69	54.30	60.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.48		EVENING LEQ	56.57		NIGHT LEQ	62.43		Use hour?	no
										GRADE dB	0.00
	CNEL		69.30								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **San Bernardino Avenue to Violet Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	36700.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1062.77	22.02	36.70	197.26	0.92	1.53	146.80	22.94	38.23	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.97	6.13	8.35	15.65	-7.67	-5.45	14.37	6.31	8.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.20
LEQ	66.01	56.85	63.29	58.69	43.04	49.49	57.41	57.02	63.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.20		EVENING LEQ	59.29		NIGHT LEQ	65.16		Use hour?	no
										GRADE dB	0.00
	CNEL		72.02								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **San Bernardino Avenue to Violet Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	21800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	631.29	13.08	21.80	117.18	0.55	0.91	87.20	13.63	22.71	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.71	3.87	6.09	13.39	-9.93	-7.71	12.11	4.05	6.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.94
LEQ	63.75	54.58	61.03	56.43	40.78	47.23	55.15	54.76	61.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.94		EVENING LEQ	57.03		NIGHT LEQ	62.89		Use hour?	no
										GRADE dB	0.00
	CNEL		69.76								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **San Bernardino Avenue to Violet Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	38900.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1126.48	23.34	38.90	209.09	0.97	1.62	155.60	24.31	40.52	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.22	6.39	8.60	15.91	-7.42	-5.20	14.62	6.56	8.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.45
LEQ	66.26	57.10	63.54	58.95	43.30	49.74	57.66	57.28	63.72	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.45		EVENING LEQ	59.54		NIGHT LEQ	65.41		Use hour?	no
										GRADE dB	0.00
	CNEL		72.27								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Violet Street to Hospital Entrance**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.18	3.34	5.56	12.86	-10.46	-8.24	11.58	3.52	5.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.41
LEQ	63.22	54.05	60.50	55.90	40.25	46.70	54.62	54.23	60.68	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.41		EVENING LEQ	56.50		NIGHT LEQ	62.36		Use hour?	no
										GRADE dB	0.00
	CNEL		69.23								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Violet Street to Hospital Entrance**

	DAYTIME			EVENING			NIGHTTIME			ADT	19400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	561.79	11.64	19.40	104.28	0.49	0.81	77.60	12.13	20.21	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.20	3.36	5.58	12.89	-10.44	-8.22	11.60	3.54	5.76		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.25
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.43
LEQ	63.24	54.08	60.52	55.93	40.28	46.72	54.64	54.25	60.70	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.43		EVENING LEQ	56.52		NIGHT LEQ	62.39		Use hour?	no
										GRADE dB	0.00
	CNEL		69.25								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Violet Street to Hospital Entrance**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	37200.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1077.25	22.32	37.20	199.95	0.93	1.55	148.80	23.25	38.75	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.03	6.19	8.41	15.71	-7.61	-5.39	14.43	6.37	8.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.26
LEQ	66.07	56.90	63.35	58.75	43.10	49.55	57.47	57.08	63.53	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.26		EVENING LEQ	59.35		NIGHT LEQ	65.21		Use hour?	no
										GRADE dB	0.00
	CNEL		72.08								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Violet Street to Hospital Entrance**

	DAYTIME			EVENING			NIGHTTIME			ADT	21600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	625.50	12.96	21.60	116.10	0.54	0.90	86.40	13.50	22.50	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.67	3.83	6.05	13.35	-9.97	-7.75	12.07	4.01	6.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.90
LEQ	63.71	54.54	60.99	56.39	40.74	47.19	55.11	54.72	61.17	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.90		EVENING LEQ	56.99		NIGHT LEQ	62.85		Use hour?	no
										GRADE dB	0.00
	CNEL		69.72								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Violet Street to Hospital Entrance**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	39400.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1140.96	23.64	39.40	211.78	0.99	1.64	157.60	24.63	41.04	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.28	6.44	8.66	15.96	-7.36	-5.14	14.68	6.62	8.84		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.51
LEQ	66.32	57.15	63.60	59.00	43.35	49.80	57.72	57.33	63.78	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.51		EVENING LEQ	59.60		NIGHT LEQ	65.46		Use hour?	no
										GRADE dB	0.00
	CNEL		72.33								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Hospital Entrance to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	21100.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	611.02	12.66	21.10	113.41	0.53	0.88	84.40	13.19	21.98	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.57	3.73	5.95	13.25	-10.07	-7.85	11.97	3.91	6.12		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.80
LEQ	63.60	54.44	60.89	56.29	40.64	47.09	55.01	54.62	61.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.80		EVENING LEQ	56.89		NIGHT LEQ	62.75		Use hour?	no
										GRADE dB	0.00
	CNEL		69.62								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Hospital Entrance to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	21500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	622.60	12.90	21.50	115.56	0.54	0.90	86.00	13.44	22.40	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.65	3.81	6.03	13.33	-9.99	-7.77	12.05	3.99	6.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.88
LEQ	63.69	54.52	60.97	56.37	40.72	47.17	55.09	54.70	61.15	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.88		EVENING LEQ	56.97		NIGHT LEQ	62.83		Use hour?	no
										GRADE dB	0.00
	CNEL		69.70								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Hospital Entrance to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	37300.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1080.15	22.38	37.30	200.49	0.93	1.55	149.20	23.31	38.85	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.04	6.20	8.42	15.73	-7.60	-5.38	14.44	6.38	8.60		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.27
LEQ	66.08	56.92	63.36	58.77	43.11	49.56	57.48	57.09	63.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.27		EVENING LEQ	59.36		NIGHT LEQ	65.23		Use hour?	no
										GRADE dB	0.00
	CNEL		72.09								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Hospital Entrance to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	21600.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	625.50	12.96	21.60	116.10	0.54	0.90	86.40	13.50	22.50	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.67	3.83	6.05	13.35	-9.97	-7.75	12.07	4.01	6.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.90
LEQ	63.71	54.54	60.99	56.39	40.74	47.19	55.11	54.72	61.17	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.90		EVENING LEQ	56.99		NIGHT LEQ	62.85		Use hour?	no
										GRADE dB	0.00
	CNEL		69.72								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Hospital Entrance to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	39400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1140.96	23.64	39.40	211.78	0.99	1.64	157.60	24.63	41.04	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.28	6.44	8.66	15.96	-7.36	-5.14	14.68	6.62	8.84		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.51
LEQ	66.32	57.15	63.60	59.00	43.35	49.80	57.72	57.33	63.78	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.51		EVENING LEQ	59.60		NIGHT LEQ	65.46		Use hour?	no
										GRADE dB	0.00
	CNEL		72.33								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	17400.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	503.88	10.44	17.40	93.53	0.44	0.73	69.60	10.88	18.13	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.73	2.89	5.11	12.41	-10.91	-8.69	11.13	3.07	5.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.78
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.96
LEQ	62.77	53.60	60.05	55.45	39.80	46.25	54.17	53.78	60.23	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.96		EVENING LEQ	56.05		NIGHT LEQ	61.91		Use hour?	no
										GRADE dB	0.00
	CNEL		68.78								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	17800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	515.46	10.68	17.80	95.68	0.45	0.74	71.20	11.13	18.54	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.83	2.99	5.21	12.51	-10.81	-8.59	11.23	3.17	5.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.06
LEQ	62.87	53.70	60.15	55.55	39.90	46.35	54.27	53.88	60.33	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.06		EVENING LEQ	56.15		NIGHT LEQ	62.01		Use hour?	no
										GRADE dB	0.00
	CNEL		68.88								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	41600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1204.67	24.96	41.60	223.60	1.04	1.73	166.40	26.00	43.33	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.51	6.68	8.90	16.20	-7.13	-4.91	14.92	6.85	9.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.74
LEQ	66.55	57.39	63.84	59.24	43.59	50.03	57.96	57.57	64.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.74		EVENING LEQ	59.84		NIGHT LEQ	65.70		Use hour?	no
										GRADE dB	0.00
	CNEL		72.57								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	20600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	596.54	12.36	20.60	110.73	0.52	0.86	82.40	12.88	21.46	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.46	3.62	5.84	13.15	-10.18	-7.96	11.86	3.80	6.02		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.69
LEQ	63.50	54.34	60.78	56.19	40.54	46.98	54.90	54.52	60.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.69		EVENING LEQ	56.78		NIGHT LEQ	62.65		Use hour?	no
										GRADE dB	0.00
	CNEL		69.51								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	44300.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1282.85	26.58	44.30	238.11	1.11	1.85	177.20	27.69	46.15	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.79	6.95	9.17	16.47	-6.85	-4.63	15.19	7.13	9.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	69.02
LEQ	66.83	57.66	64.11	59.51	43.86	50.31	58.23	57.84	64.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	69.02		EVENING LEQ	60.11		NIGHT LEQ	65.97		Use hour?	no
										GRADE dB	0.00
	CNEL		72.84								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **South of I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	14400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	417.00	8.64	14.40	77.40	0.36	0.60	57.60	9.00	15.00	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.91	2.07	4.29	11.59	-11.73	-9.51	10.31	2.25	4.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.14
LEQ	61.95	52.78	59.23	54.63	38.98	45.43	53.35	52.96	59.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.14		EVENING LEQ	55.23		NIGHT LEQ	61.09		Use hour?	no
										GRADE dB	0.00
	CNEL		67.96								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **South of I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	14600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	422.79	8.76	14.60	78.48	0.37	0.61	58.40	9.13	15.21	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.97	2.13	4.35	11.65	-11.67	-9.45	10.37	2.31	4.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.20
LEQ	62.01	52.84	59.29	54.69	39.04	45.49	53.41	53.02	59.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.20		EVENING LEQ	55.29		NIGHT LEQ	61.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.02								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **South of I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	14600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	422.79	8.76	14.60	78.48	0.37	0.61	58.40	9.13	15.21	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.97	2.13	4.35	11.65	-11.67	-9.45	10.37	2.31	4.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.20
LEQ	62.01	52.84	59.29	54.69	39.04	45.49	53.41	53.02	59.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.20		EVENING LEQ	55.29		NIGHT LEQ	61.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.02								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **South of I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	15800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	457.54	9.48	15.80	84.93	0.40	0.66	63.20	9.88	16.46	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.31	2.47	4.69	11.99	-11.33	-9.11	10.71	2.65	4.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.54
LEQ	62.35	53.19	59.63	55.03	39.38	45.83	53.75	53.36	59.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.54		EVENING LEQ	55.63		NIGHT LEQ	61.50		Use hour?	no
										GRADE dB	0.00
	CNEL		68.36								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Pepper Avenue**

Segment: **South of I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	15800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	457.54	9.48	15.80	84.93	0.40	0.66	63.20	9.88	16.46	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	19.31	2.47	4.69	11.99	-11.33	-9.11	10.71	2.65	4.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.54
LEQ	62.35	53.19	59.63	55.03	39.38	45.83	53.75	53.36	59.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.54		EVENING LEQ	55.63		NIGHT LEQ	61.50		Use hour?	no
										GRADE dB	0.00
	CNEL		68.36								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	14400.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	417.00	8.64	14.40	77.40	0.36	0.60	57.60	9.00	15.00	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.36	2.53	4.75	12.05	-11.27	-9.06	10.77	2.70	4.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.17
LEQ	60.63	52.07	58.81	53.31	38.27	45.00	52.03	52.25	58.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.17		EVENING LEQ	54.03		NIGHT LEQ	60.49		Use hour?	no
										GRADE dB	0.00
	CNEL		67.27								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	14800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	428.58	8.88	14.80	79.55	0.37	0.62	59.20	9.25	15.42	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.48	2.65	4.86	12.17	-11.16	-8.94	10.89	2.82	5.04		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.39
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.29
LEQ	60.75	52.19	58.93	53.43	38.39	45.12	52.15	52.37	59.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.29		EVENING LEQ	54.15		NIGHT LEQ	60.61		Use hour?	no
										GRADE dB	0.00
	CNEL		67.39								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	15800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	457.54	9.48	15.80	84.93	0.40	0.66	63.20	9.88	16.46	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.77	2.93	5.15	12.45	-10.87	-8.65	11.17	3.11	5.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.67
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.58
LEQ	61.03	52.47	59.21	53.72	38.67	45.41	52.43	52.65	59.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.58		EVENING LEQ	54.43		NIGHT LEQ	60.89		Use hour?	no
										GRADE dB	0.00
	CNEL		67.67								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	17100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	495.19	10.26	17.10	91.91	0.43	0.71	68.40	10.69	17.81	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.11	3.27	5.49	12.80	-10.53	-8.31	11.51	3.45	5.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.92
LEQ	61.37	52.82	59.55	54.06	39.01	45.75	52.78	52.99	59.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.92		EVENING LEQ	54.77		NIGHT LEQ	61.23		Use hour?	no
										GRADE dB	0.00
	CNEL		68.02								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Olive Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	18100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	524.15	10.86	18.10	97.29	0.45	0.75	72.40	11.31	18.85	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.36	3.52	5.74	13.04	-10.28	-8.06	11.76	3.70	5.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.26
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.17
LEQ	61.62	53.06	59.80	54.31	39.26	46.00	53.02	53.24	59.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.17		EVENING LEQ	55.02		NIGHT LEQ	61.48		Use hour?	no
										GRADE dB	0.00
	CNEL		68.26								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Olive Street to C Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	14900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	431.48	8.94	14.90	80.09	0.37	0.62	59.60	9.31	15.52	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.51	2.68	4.89	12.20	-11.13	-8.91	10.91	2.85	5.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.32
LEQ	60.78	52.22	58.96	53.46	38.42	45.15	52.18	52.39	59.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.32		EVENING LEQ	54.18		NIGHT LEQ	60.64		Use hour?	no
										GRADE dB	0.00
	CNEL		67.42								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Olive Street to C Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	15300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	443.06	9.18	15.30	82.24	0.38	0.64	61.20	9.56	15.94	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.63	2.79	5.01	12.31	-11.01	-8.79	11.03	2.97	5.19		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.53
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.44
LEQ	60.89	52.33	59.07	53.58	38.53	45.27	52.29	52.51	59.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.44		EVENING LEQ	54.29		NIGHT LEQ	60.75		Use hour?	no
										GRADE dB	0.00
	CNEL		67.53								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Olive Street to C Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	15400.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	445.96	9.24	15.40	82.78	0.39	0.64	61.60	9.63	16.04	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.65	2.82	5.04	12.34	-10.98	-8.76	11.06	3.00	5.21		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.46
LEQ	60.92	52.36	59.10	53.61	38.56	45.30	52.32	52.54	59.28	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.46		EVENING LEQ	54.32		NIGHT LEQ	60.78		Use hour?	no
										GRADE dB	0.00
	CNEL		67.56								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Olive Street to C Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	17800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	515.46	10.68	17.80	95.68	0.45	0.74	71.20	11.13	18.54	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.28	3.45	5.67	12.97	-10.35	-8.14	11.69	3.63	5.84		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.19
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.09
LEQ	61.55	52.99	59.73	54.23	39.19	45.93	52.95	53.17	59.90	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.09		EVENING LEQ	54.95		NIGHT LEQ	61.41		Use hour?	no
										GRADE dB	0.00
	CNEL		68.19								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Olive Street to C Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	17900.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	518.35	10.74	17.90	96.21	0.45	0.75	71.60	11.19	18.65	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.31	3.47	5.69	12.99	-10.33	-8.11	11.71	3.65	5.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.22
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.12
LEQ	61.57	53.01	59.75	54.26	39.21	45.95	52.98	53.19	59.93	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.12		EVENING LEQ	54.97		NIGHT LEQ	61.43		Use hour?	no
										GRADE dB	0.00
	CNEL		68.22								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	15500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	448.85	9.30	15.50	83.31	0.39	0.65	62.00	9.69	16.15	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.68	2.85	5.07	12.37	-10.96	-8.74	11.09	3.02	5.24		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.49
LEQ	60.95	52.39	59.13	53.63	38.59	45.32	52.35	52.57	59.30	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.49		EVENING LEQ	54.35		NIGHT LEQ	60.81		Use hour?	no
										GRADE dB	0.00
	CNEL		67.59								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	15900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	460.44	9.54	15.90	85.46	0.40	0.66	63.60	9.94	16.56	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.79	2.96	5.18	12.48	-10.84	-8.63	11.20	3.13	5.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.60
LEQ	61.06	52.50	59.24	53.74	38.70	45.44	52.46	52.68	59.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.60		EVENING LEQ	54.46		NIGHT LEQ	60.92		Use hour?	no
										GRADE dB	0.00
	CNEL		67.70								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16200.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	469.13	9.72	16.20	87.08	0.41	0.68	64.80	10.13	16.88	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.87	3.04	5.26	12.56	-10.76	-8.54	11.28	3.22	5.43		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.78
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.68
LEQ	61.14	52.58	59.32	53.83	38.78	45.52	52.54	52.76	59.50	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.68		EVENING LEQ	54.54		NIGHT LEQ	61.00		Use hour?	no
										GRADE dB	0.00
	CNEL		67.78								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	18700.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	541.52	11.22	18.70	100.51	0.47	0.78	74.80	11.69	19.48	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.50	3.66	5.88	13.18	-10.14	-7.92	11.90	3.84	6.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.31
LEQ	61.76	53.20	59.94	54.45	39.40	46.14	53.17	53.38	60.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.31		EVENING LEQ	55.16		NIGHT LEQ	61.62		Use hour?	no
										GRADE dB	0.00
	CNEL		68.41								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	19000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	550.21	11.40	19.00	102.13	0.48	0.79	76.00	11.88	19.79	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.57	3.73	5.95	13.25	-10.07	-7.85	11.97	3.91	6.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.38
LEQ	61.83	53.27	60.01	54.52	39.47	46.21	53.23	53.45	60.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.38		EVENING LEQ	55.23		NIGHT LEQ	61.69		Use hour?	no
										GRADE dB	0.00
	CNEL		68.47								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **I-10 to 3rd Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	18600.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	538.63	11.16	18.60	99.98	0.47	0.78	74.40	11.63	19.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.47	3.64	5.86	13.16	-10.16	-7.94	11.88	3.82	6.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.38
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.28
LEQ	61.74	53.18	59.92	54.43	39.38	46.12	53.14	53.36	60.10	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.28		EVENING LEQ	55.14		NIGHT LEQ	61.60		Use hour?	no
										GRADE dB	0.00
	CNEL		68.38								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **I-10 to 3rd Street**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.64	3.80	6.02	13.32	-10.00	-7.78	12.04	3.98	6.19		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.54
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.44
LEQ	61.90	53.34	60.08	54.59	39.54	46.28	53.30	53.52	60.26	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.44		EVENING LEQ	55.30		NIGHT LEQ	61.76		Use hour?	no
										GRADE dB	0.00
	CNEL		68.54								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **I-10 to 3rd Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	21700.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	628.40	13.02	21.70	116.64	0.54	0.90	86.80	13.56	22.60	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.14	4.31	6.53	13.83	-9.49	-7.28	12.55	4.49	6.70		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.95
LEQ	62.41	53.85	60.59	55.09	40.05	46.79	53.81	54.03	60.77	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.95		EVENING LEQ	55.81		NIGHT LEQ	62.27		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **I-10 to 3rd Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	680.52	14.10	23.50	126.31	0.59	0.98	94.00	14.69	24.48	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.49	4.65	6.87	14.18	-9.15	-6.93	12.89	4.83	7.05		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.40
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.30
LEQ	62.75	54.20	60.93	55.44	40.39	47.13	54.16	54.37	61.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.30		EVENING LEQ	56.16		NIGHT LEQ	62.61		Use hour?	no
										GRADE dB	0.00
	CNEL		69.40								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **I-10 to 3rd Street**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25900.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	750.02	15.54	25.90	139.21	0.65	1.08	103.60	16.19	26.98	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.91	5.08	7.30	14.60	-8.73	-6.51	13.32	5.25	7.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.82
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.72
LEQ	63.18	54.62	61.36	55.86	40.82	47.55	54.58	54.80	61.53	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.72		EVENING LEQ	56.58		NIGHT LEQ	63.04		Use hour?	no
										GRADE dB	0.00
	CNEL		69.82								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **3rd Street to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.18	2.34	4.56	11.86	-11.46	-9.24	10.58	2.52	4.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.44	51.88	58.62	53.13	38.08	44.82	51.85	52.06	58.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.84		NIGHT LEQ	60.30		Use hour?	no
										GRADE dB	0.00
	CNEL		67.09								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **3rd Street to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	14400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	417.00	8.64	14.40	77.40	0.36	0.60	57.60	9.00	15.00	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.36	2.53	4.75	12.05	-11.27	-9.06	10.77	2.70	4.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.17
LEQ	60.63	52.07	58.81	53.31	38.27	45.00	52.03	52.25	58.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.17		EVENING LEQ	54.03		NIGHT LEQ	60.49		Use hour?	no
										GRADE dB	0.00
	CNEL		67.27								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **3rd Street to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	16800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	486.50	10.08	16.80	90.30	0.42	0.70	67.20	10.50	17.50	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.03	3.20	5.42	12.72	-10.61	-8.39	11.44	3.37	5.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.84
LEQ	61.30	52.74	59.48	53.98	38.94	45.67	52.70	52.92	59.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.84		EVENING LEQ	54.70		NIGHT LEQ	61.16		Use hour?	no
										GRADE dB	0.00
	CNEL		67.94								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **3rd Street to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	18100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	524.15	10.86	18.10	97.29	0.45	0.75	72.40	11.31	18.85	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.36	3.52	5.74	13.04	-10.28	-8.06	11.76	3.70	5.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.26
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.17
LEQ	61.62	53.06	59.80	54.31	39.26	46.00	53.02	53.24	59.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.17		EVENING LEQ	55.02		NIGHT LEQ	61.48		Use hour?	no
										GRADE dB	0.00
	CNEL		68.26								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **3rd Street to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	593.65	12.30	20.50	110.19	0.51	0.85	82.00	12.81	21.35	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.90	4.06	6.28	13.58	-9.74	-7.52	12.30	4.24	6.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.80
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.71
LEQ	62.16	53.60	60.34	54.85	39.80	46.54	53.56	53.78	60.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.71		EVENING LEQ	55.56		NIGHT LEQ	62.02		Use hour?	no
										GRADE dB	0.00
	CNEL		68.80								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Agua Mansa Road to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	9600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	278.00	5.76	9.60	51.60	0.24	0.40	38.40	6.00	10.00	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.60	0.77	2.98	10.29	-13.04	-10.82	9.01	0.94	3.16		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.41
LEQ	58.87	50.31	57.05	51.55	36.51	43.24	50.27	50.49	57.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.41		EVENING LEQ	52.27		NIGHT LEQ	58.73		Use hour?	no
										GRADE dB	0.00
	CNEL		65.51								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Agua Mansa Road to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	10500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	304.06	6.30	10.50	56.44	0.26	0.44	42.00	6.56	10.94	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.99	1.16	3.37	10.68	-12.65	-10.43	9.39	1.33	3.55		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.90
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.80
LEQ	59.26	50.70	57.44	51.94	36.90	43.63	50.66	50.87	57.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.80		EVENING LEQ	52.66		NIGHT LEQ	59.12		Use hour?	no
										GRADE dB	0.00
	CNEL		65.90								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Agua Mansa Road to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	12200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	353.29	7.32	12.20	65.58	0.31	0.51	48.80	7.63	12.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.64	1.81	4.03	11.33	-11.99	-9.78	10.05	1.98	4.20		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.55
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.45
LEQ	59.91	51.35	58.09	52.59	37.55	44.28	51.31	51.53	58.26	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.45		EVENING LEQ	53.31		NIGHT LEQ	59.77		Use hour?	no
										GRADE dB	0.00
	CNEL		66.55								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Agua Mansa Road to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	15900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	460.44	9.54	15.90	85.46	0.40	0.66	63.60	9.94	16.56	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.79	2.96	5.18	12.48	-10.84	-8.63	11.20	3.13	5.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.60
LEQ	61.06	52.50	59.24	53.74	38.70	45.44	52.46	52.68	59.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.60		EVENING LEQ	54.46		NIGHT LEQ	60.92		Use hour?	no
										GRADE dB	0.00
	CNEL		67.70								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rancho Avenue**

Segment: **Agua Mansa Road to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	17600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	509.67	10.56	17.60	94.60	0.44	0.73	70.40	11.00	18.33	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.23	3.40	5.62	12.92	-10.40	-8.18	11.64	3.58	5.79		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.04
LEQ	61.50	52.94	59.68	54.19	39.14	45.88	52.90	53.12	59.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.04		EVENING LEQ	54.90		NIGHT LEQ	61.36		Use hour?	no
										GRADE dB	0.00
	CNEL		68.14								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	9800.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	283.79	5.88	9.80	52.68	0.25	0.41	39.20	6.13	10.21	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.24	3.41	5.63	12.93	-10.39	-8.18	11.65	3.59	5.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.26
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.90
LEQ	51.60	46.42	54.79	44.29	32.61	40.99	43.01	46.59	54.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.90		EVENING LEQ	46.15		NIGHT LEQ	55.79		Use hour?	no
										GRADE dB	0.00
	CNEL		62.26								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	286.69	5.94	9.90	53.21	0.25	0.41	39.60	6.19	10.31	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.29	3.45	5.67	12.97	-10.35	-8.13	11.69	3.63	5.85		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.31
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.94
LEQ	51.65	46.46	54.83	44.33	32.66	41.03	43.05	46.64	55.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.94		EVENING LEQ	46.20		NIGHT LEQ	55.83		Use hour?	no
										GRADE dB	0.00
	CNEL		62.31								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	301.17	6.24	10.40	55.90	0.26	0.43	41.60	6.50	10.83	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.50	3.67	5.89	13.19	-10.14	-7.92	11.91	3.84	6.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.16
LEQ	51.86	46.67	55.05	44.55	32.87	41.24	43.27	46.85	55.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.16		EVENING LEQ	46.41		NIGHT LEQ	56.05		Use hour?	no
										GRADE dB	0.00
	CNEL		62.52								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	10800.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	312.75	6.48	10.80	58.05	0.27	0.45	43.20	6.75	11.25	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.67	3.83	6.05	13.35	-9.97	-7.75	12.07	4.01	6.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.32
LEQ	52.03	46.84	55.21	44.71	33.04	41.41	43.43	47.01	55.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.32		EVENING LEQ	46.57		NIGHT LEQ	56.21		Use hour?	no
										GRADE dB	0.00
	CNEL		62.68								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	11300.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	327.23	6.78	11.30	60.74	0.28	0.47	45.20	7.06	11.77	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.86	4.03	6.25	13.55	-9.78	-7.56	12.27	4.20	6.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.52
LEQ	52.22	47.03	55.41	44.91	33.23	41.60	43.63	47.21	55.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.52		EVENING LEQ	46.77		NIGHT LEQ	56.41		Use hour?	no
										GRADE dB	0.00
	CNEL		62.88								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	220.08	4.56	7.60	40.85	0.19	0.32	30.40	4.75	7.92	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.14	2.30	4.52	11.83	-11.50	-9.28	10.54	2.48	4.70		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.16
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.79
LEQ	50.50	45.31	53.68	43.19	31.51	39.88	41.90	45.49	53.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.79		EVENING LEQ	45.05		NIGHT LEQ	54.69		Use hour?	no
										GRADE dB	0.00
	CNEL		61.16								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	222.98	4.62	7.70	41.39	0.19	0.32	30.80	4.81	8.02	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.20	2.36	4.58	11.88	-11.44	-9.22	10.60	2.54	4.76		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.21
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.85
LEQ	50.56	45.37	53.74	43.24	31.57	39.94	41.96	45.55	53.92	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.85		EVENING LEQ	45.10		NIGHT LEQ	54.74		Use hour?	no
										GRADE dB	0.00
	CNEL		61.21								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	237.46	4.92	8.20	44.08	0.21	0.34	32.80	5.13	8.54	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.47	2.63	4.85	12.16	-11.17	-8.95	10.87	2.81	5.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.49
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.12
LEQ	50.83	45.64	54.01	43.52	31.84	40.21	42.23	45.82	54.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.12		EVENING LEQ	45.38		NIGHT LEQ	55.02		Use hour?	no
										GRADE dB	0.00
	CNEL		61.49								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	243.25	5.04	8.40	45.15	0.21	0.35	33.60	5.25	8.75	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.58	2.74	4.96	12.26	-11.06	-8.84	10.98	2.92	5.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.23
LEQ	50.94	45.75	54.12	43.62	31.94	40.32	42.34	45.92	54.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.23		EVENING LEQ	45.48		NIGHT LEQ	55.12		Use hour?	no
										GRADE dB	0.00
	CNEL		61.59								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	257.73	5.34	8.90	47.84	0.22	0.37	35.60	5.56	9.27	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.83	2.99	5.21	12.51	-10.81	-8.59	11.23	3.17	5.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.48
LEQ	51.19	46.00	54.37	43.87	32.19	40.57	42.59	46.17	54.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.48		EVENING LEQ	45.73		NIGHT LEQ	55.37		Use hour?	no
										GRADE dB	0.00
	CNEL		61.84								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	167.96	3.48	5.80	31.18	0.15	0.24	23.20	3.63	6.04	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	17.97	1.13	3.35	10.65	-12.67	-10.45	9.37	1.31	3.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	59.98
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.62
LEQ	49.33	44.14	52.51	42.01	30.34	38.71	40.73	44.31	52.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.62		EVENING LEQ	43.87		NIGHT LEQ	53.51		Use hour?	no
										GRADE dB	0.00
	CNEL		59.98								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	176.65	3.66	6.10	32.79	0.15	0.25	24.40	3.81	6.35	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	18.19	1.35	3.57	10.87	-12.45	-10.23	9.59	1.53	3.75		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.20
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.84
LEQ	49.55	44.36	52.73	42.23	30.55	38.93	40.95	44.53	52.91	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.84		EVENING LEQ	44.09		NIGHT LEQ	53.73		Use hour?	no
										GRADE dB	0.00
	CNEL		60.20								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	191.13	3.96	6.60	35.48	0.17	0.28	26.40	4.13	6.88	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	18.53	1.69	3.91	11.21	-12.11	-9.89	9.93	1.87	4.09		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.54
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.18
LEQ	49.89	44.70	53.07	42.57	30.90	39.27	41.29	44.88	53.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.18		EVENING LEQ	44.44		NIGHT LEQ	54.07		Use hour?	no
										GRADE dB	0.00
	CNEL		60.54								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	225.88	4.68	7.80	41.93	0.20	0.33	31.20	4.88	8.13	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.25	2.42	4.64	11.94	-11.38	-9.17	10.66	2.59	4.81		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.91
LEQ	50.61	45.42	53.80	43.30	31.62	39.99	42.02	45.60	53.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.91		EVENING LEQ	45.16		NIGHT LEQ	54.80		Use hour?	no
										GRADE dB	0.00
	CNEL		61.27								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	240.35	4.98	8.30	44.61	0.21	0.35	33.20	5.19	8.65	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.52	2.69	4.91	12.21	-11.12	-8.90	10.93	2.86	5.08		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.54
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.18
LEQ	50.88	45.69	54.07	43.57	31.89	40.26	42.29	45.87	54.24	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.18		EVENING LEQ	45.43		NIGHT LEQ	55.07		Use hour?	no
										GRADE dB	0.00
	CNEL		61.54								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	115.83	2.40	4.00	21.50	0.10	0.17	16.00	2.50	4.17	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	16.35	-0.48	1.74	9.04	-14.29	-12.07	7.76	-0.31	1.91		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.37
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.01
LEQ	47.71	42.52	50.90	40.40	28.72	37.09	39.12	42.70	51.07	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.01		EVENING LEQ	42.26		NIGHT LEQ	51.90		Use hour?	no
										GRADE dB	0.00
	CNEL		58.37								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	4300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	124.52	2.58	4.30	23.11	0.11	0.18	17.20	2.69	4.48	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	16.67	-0.17	2.05	9.35	-13.97	-11.75	8.07	0.01	2.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.32
LEQ	48.03	42.84	51.21	40.71	29.04	37.41	39.43	43.02	51.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.32		EVENING LEQ	42.57		NIGHT LEQ	52.21		Use hour?	no
										GRADE dB	0.00
	CNEL		58.68								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	4500.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	130.31	2.70	4.50	24.19	0.11	0.19	18.00	2.81	4.69	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	16.86	0.03	2.25	9.55	-13.77	-11.56	8.27	0.21	2.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	53.52
LEQ	48.22	43.04	51.41	40.91	29.23	37.60	39.63	43.21	51.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	53.52		EVENING LEQ	42.77		NIGHT LEQ	52.41		Use hour?	no
										GRADE dB	0.00
	CNEL		58.88								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	5900.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	170.85	3.54	5.90	31.71	0.15	0.25	23.60	3.69	6.15	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	18.04	1.20	3.42	10.73	-12.60	-10.38	9.44	1.38	3.60		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.06
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.69
LEQ	49.40	44.21	52.58	42.09	30.41	38.78	40.80	44.39	52.76	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.69		EVENING LEQ	43.95		NIGHT LEQ	53.59		Use hour?	no
										GRADE dB	0.00
	CNEL		60.06								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Riverside Avenue to Acacia Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	176.65	3.66	6.10	32.79	0.15	0.25	24.40	3.81	6.35	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	18.19	1.35	3.57	10.87	-12.45	-10.23	9.59	1.53	3.75		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	60.20
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.84
LEQ	49.55	44.36	52.73	42.23	30.55	38.93	40.95	44.53	52.91	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.84		EVENING LEQ	44.09		NIGHT LEQ	53.73		Use hour?	no
										GRADE dB	0.00
	CNEL		60.20								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	228.77	4.74	7.90	42.46	0.20	0.33	31.60	4.94	8.23	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.31	2.47	4.69	11.99	-11.33	-9.11	10.71	2.65	4.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	55.96
LEQ	50.67	45.48	53.85	43.35	31.68	40.05	42.07	45.66	54.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	55.96		EVENING LEQ	45.22		NIGHT LEQ	54.85		Use hour?	no
										GRADE dB	0.00
	CNEL		61.33								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	243.25	5.04	8.40	45.15	0.21	0.35	33.60	5.25	8.75	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	19.58	2.74	4.96	12.26	-11.06	-8.84	10.98	2.92	5.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.23
LEQ	50.94	45.75	54.12	43.62	31.94	40.32	42.34	45.92	54.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.23		EVENING LEQ	45.48		NIGHT LEQ	55.12		Use hour?	no
										GRADE dB	0.00
	CNEL		61.59								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	278.00	5.76	9.60	51.60	0.24	0.40	38.40	6.00	10.00	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	20.16	3.32	5.54	12.84	-10.48	-8.26	11.56	3.50	5.71		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.17
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.81
LEQ	51.51	46.33	54.70	44.20	32.52	40.90	42.92	46.50	54.87	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.81		EVENING LEQ	46.06		NIGHT LEQ	55.70		Use hour?	no
										GRADE dB	0.00
	CNEL		62.17								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	338.81	7.02	11.70	62.89	0.29	0.49	46.80	7.31	12.19	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.01	4.18	6.40	13.70	-9.62	-7.41	12.42	4.36	6.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.67
LEQ	52.37	47.19	55.56	45.06	33.38	41.75	43.78	47.36	55.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.67		EVENING LEQ	46.92		NIGHT LEQ	56.56		Use hour?	no
										GRADE dB	0.00
	CNEL		63.03								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **Acacia Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	373.56	7.74	12.90	69.34	0.32	0.54	51.60	8.06	13.44	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.44	4.60	6.82	14.12	-9.20	-6.98	12.84	4.78	7.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.46
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.09
LEQ	52.80	47.61	55.98	45.48	33.81	42.18	44.20	47.79	56.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.09		EVENING LEQ	47.35		NIGHT LEQ	56.98		Use hour?	no
										GRADE dB	0.00
	CNEL		63.46								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	344.60	7.14	11.90	63.96	0.30	0.50	47.60	7.44	12.40	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.09	4.25	6.47	13.77	-9.55	-7.33	12.49	4.43	6.65		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.74
LEQ	52.45	47.26	55.63	45.13	33.46	41.83	43.85	47.44	55.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.74		EVENING LEQ	47.00		NIGHT LEQ	56.63		Use hour?	no
										GRADE dB	0.00
	CNEL		63.10								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	350.40	7.26	12.10	65.04	0.30	0.50	48.40	7.56	12.60	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.16	4.32	6.54	13.85	-9.48	-7.26	12.56	4.50	6.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.18
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.81
LEQ	52.52	47.33	55.70	45.21	33.53	41.90	43.92	47.51	55.88	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.81		EVENING LEQ	47.07		NIGHT LEQ	56.71		Use hour?	no
										GRADE dB	0.00
	CNEL		63.18								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	370.67	7.68	12.80	68.80	0.32	0.53	51.20	8.00	13.33	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.40	4.57	6.79	14.09	-9.23	-7.02	12.81	4.75	6.96		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.06
LEQ	52.76	47.58	55.95	45.45	33.77	42.14	44.17	47.75	56.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.06		EVENING LEQ	47.31		NIGHT LEQ	56.95		Use hour?	no
										GRADE dB	0.00
	CNEL		63.42								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	379.35	7.86	13.10	70.41	0.33	0.55	52.40	8.19	13.65	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.51	4.67	6.89	14.19	-9.13	-6.91	12.91	4.85	7.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.16
LEQ	52.86	47.68	56.05	45.55	33.87	42.25	44.27	47.85	56.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.16		EVENING LEQ	47.41		NIGHT LEQ	57.05		Use hour?	no
										GRADE dB	0.00
	CNEL		63.52								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Rialto Avenue**

Segment: **East of Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13800.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	5.00
ADJUSTMENTS											
Flow	21.73	4.90	7.11	14.42	-8.91	-6.69	13.13	5.07	7.29		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.75
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.38
LEQ	53.09	47.90	56.27	45.78	34.10	42.47	44.49	48.08	56.45	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.38		EVENING LEQ	47.64		NIGHT LEQ	57.28		Use hour?	no
										GRADE dB	0.00
	CNEL		63.75								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **North of Baseline Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20700.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	599.44	12.42	20.70	111.26	0.52	0.86	82.80	12.94	21.56	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.94	4.10	6.32	13.63	-9.70	-7.48	12.34	4.28	6.50		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.75
LEQ	62.20	53.65	60.38	54.89	39.84	46.58	53.61	53.82	60.56	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.75		EVENING LEQ	55.60		NIGHT LEQ	62.06		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **North of Baseline Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	21000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	608.13	12.60	21.00	112.88	0.53	0.88	84.00	13.13	21.88	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.00	4.17	6.38	13.69	-9.64	-7.42	12.40	4.34	6.56		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.91
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.81
LEQ	62.27	53.71	60.45	54.95	39.91	46.64	53.67	53.88	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.81		EVENING LEQ	55.67		NIGHT LEQ	62.13		Use hour?	no
										GRADE dB	0.00
	CNEL		68.91								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **North of Baseline Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	21000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	608.13	12.60	21.00	112.88	0.53	0.88	84.00	13.13	21.88	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.00	4.17	6.38	13.69	-9.64	-7.42	12.40	4.34	6.56		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.91
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.81
LEQ	62.27	53.71	60.45	54.95	39.91	46.64	53.67	53.88	60.62	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.81		EVENING LEQ	55.67		NIGHT LEQ	62.13		Use hour?	no
										GRADE dB	0.00
	CNEL		68.91								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **North of Baseline Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	22800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	660.25	13.68	22.80	122.55	0.57	0.95	91.20	14.25	23.75	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.36	4.52	6.74	14.05	-9.28	-7.06	12.76	4.70	6.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.17
LEQ	62.62	54.06	60.80	55.31	40.26	47.00	54.03	54.24	60.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.17		EVENING LEQ	56.02		NIGHT LEQ	62.48		Use hour?	no
										GRADE dB	0.00
	CNEL		69.27								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **North of Baseline Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	22800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	660.25	13.68	22.80	122.55	0.57	0.95	91.20	14.25	23.75	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.36	4.52	6.74	14.05	-9.28	-7.06	12.76	4.70	6.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.17
LEQ	62.62	54.06	60.80	55.31	40.26	47.00	54.03	54.24	60.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.17		EVENING LEQ	56.02		NIGHT LEQ	62.48		Use hour?	no
										GRADE dB	0.00
	CNEL		69.27								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	547.31	11.34	18.90	101.59	0.47	0.79	75.60	11.81	19.69	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.31	5.47	7.69	14.99	-8.33	-6.11	13.71	5.65	7.86		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.07
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.04
LEQ	56.74	50.50	58.37	49.42	36.70	44.57	48.14	50.68	58.55	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.04		EVENING LEQ	50.82		NIGHT LEQ	59.53		Use hour?	no
										GRADE dB	0.00
	CNEL		66.07								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	556.00	11.52	19.20	103.20	0.48	0.80	76.80	12.00	20.00	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.37	5.54	7.76	15.06	-8.26	-6.05	13.78	5.71	7.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.11
LEQ	56.81	50.57	58.44	49.49	36.77	44.63	48.21	50.75	58.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.11		EVENING LEQ	50.89		NIGHT LEQ	59.60		Use hour?	no
										GRADE dB	0.00
	CNEL		66.14								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	556.00	11.52	19.20	103.20	0.48	0.80	76.80	12.00	20.00	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.37	5.54	7.76	15.06	-8.26	-6.05	13.78	5.71	7.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.11
LEQ	56.81	50.57	58.44	49.49	36.77	44.63	48.21	50.75	58.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.11		EVENING LEQ	50.89		NIGHT LEQ	59.60		Use hour?	no
										GRADE dB	0.00
	CNEL		66.14								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20800.00
										SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	602.33	12.48	20.80	111.80	0.52	0.87	83.20	13.00	21.67	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.72	5.89	8.10	15.41	-7.92	-5.70	14.12	6.06	8.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.49
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.46
LEQ	57.15	50.92	58.78	49.84	37.12	44.98	48.56	51.10	58.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.46		EVENING LEQ	51.24		NIGHT LEQ	59.95		Use hour?	no
										GRADE dB	0.00
	CNEL		66.49								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Baseline Road to Etiwanda Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20900.00
										SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	605.23	12.54	20.90	112.34	0.52	0.87	83.60	13.06	21.77	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.74	5.91	8.12	15.43	-7.90	-5.68	14.15	6.08	8.30		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.48
LEQ	57.17	50.94	58.80	49.86	37.14	45.00	48.58	51.12	58.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.48		EVENING LEQ	51.26		NIGHT LEQ	59.97		Use hour?	no
										GRADE dB	0.00
	CNEL		66.51								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	19000.00
										SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	550.21	11.40	19.00	102.13	0.48	0.79	76.00	11.88	19.79	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.33	5.49	7.71	15.01	-8.31	-6.09	13.73	5.67	7.89		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.06
LEQ	56.76	50.53	58.39	49.45	36.72	44.59	48.16	50.70	58.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.06		EVENING LEQ	50.85		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.10								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	19300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	558.90	11.58	19.30	103.74	0.48	0.80	77.20	12.06	20.10	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.40	5.56	7.78	15.08	-8.24	-6.02	13.80	5.74	7.96		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.16
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.13
LEQ	56.83	50.59	58.46	49.51	36.79	44.66	48.23	50.77	58.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.13		EVENING LEQ	50.91		NIGHT LEQ	59.62		Use hour?	no
										GRADE dB	0.00
	CNEL		66.16								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	19400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	561.79	11.64	19.40	104.28	0.49	0.81	77.60	12.13	20.21	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.42	5.58	7.80	15.10	-8.22	-6.00	13.82	5.76	7.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.19
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.15
LEQ	56.85	50.62	58.48	49.54	36.81	44.68	48.25	50.79	58.66	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.15		EVENING LEQ	50.94		NIGHT LEQ	59.64		Use hour?	no
										GRADE dB	0.00
	CNEL		66.19								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	20900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	605.23	12.54	20.90	112.34	0.52	0.87	83.60	13.06	21.77	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.74	5.91	8.12	15.43	-7.90	-5.68	14.15	6.08	8.30		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.48
LEQ	57.17	50.94	58.80	49.86	37.14	45.00	48.58	51.12	58.98	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.48		EVENING LEQ	51.26		NIGHT LEQ	59.97		Use hour?	no
										GRADE dB	0.00
	CNEL		66.51								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Etiwanda Avenue to Foothill Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	21400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	619.71	12.84	21.40	115.03	0.54	0.89	85.60	13.38	22.29	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.84	6.01	8.23	15.53	-7.79	-5.58	14.25	6.19	8.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.61
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.58
LEQ	57.28	51.04	58.91	49.96	37.24	45.11	48.68	51.22	59.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.58		EVENING LEQ	51.36		NIGHT LEQ	60.07		Use hour?	no
										GRADE dB	0.00
	CNEL		66.61								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	492.29	10.20	17.00	91.38	0.43	0.71	68.00	10.63	17.71	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	21.85	5.01	7.23	14.53	-8.79	-6.57	13.25	5.19	7.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.61
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.58
LEQ	56.28	50.04	57.91	48.96	36.24	44.11	47.68	50.22	58.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.58		EVENING LEQ	50.36		NIGHT LEQ	59.07		Use hour?	no
										GRADE dB	0.00
	CNEL		65.61								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	521.25	10.80	18.00	96.75	0.45	0.75	72.00	11.25	18.75	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.09	5.26	7.48	14.78	-8.54	-6.33	13.50	5.43	7.65		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.86
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.83
LEQ	56.53	50.29	58.16	49.21	36.49	44.35	47.93	50.47	58.33	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.83		EVENING LEQ	50.61		NIGHT LEQ	59.32		Use hour?	no
										GRADE dB	0.00
	CNEL		65.86								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	544.42	11.28	18.80	101.05	0.47	0.78	75.20	11.75	19.58	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.28	5.45	7.66	14.97	-8.36	-6.14	13.69	5.62	7.84		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.02
LEQ	56.71	50.48	58.34	49.40	36.68	44.54	48.12	50.66	58.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.02		EVENING LEQ	50.80		NIGHT LEQ	59.51		Use hour?	no
										GRADE dB	0.00
	CNEL		66.05								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25300.00
										SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	732.65	15.18	25.30	135.99	0.63	1.05	101.20	15.81	26.35	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	23.57	6.74	8.95	16.26	-7.07	-4.85	14.97	6.91	9.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.34
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.31
LEQ	58.00	51.77	59.63	50.69	37.97	45.83	49.41	51.95	59.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.31		EVENING LEQ	52.09		NIGHT LEQ	60.80		Use hour?	no
										GRADE dB	0.00
	CNEL		67.34								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Foothill Boulevard to Rialto Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	26100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	755.81	15.66	26.10	140.29	0.65	1.09	104.40	16.31	27.19	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	23.71	6.87	9.09	16.39	-6.93	-4.71	15.11	7.05	9.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.44
LEQ	58.14	51.90	59.77	50.83	38.10	45.97	49.54	52.08	59.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.44		EVENING LEQ	52.22		NIGHT LEQ	60.93		Use hour?	no
										GRADE dB	0.00
	CNEL		67.47								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Rialto Avenue to Merrill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	538.63	11.16	18.60	99.98	0.47	0.78	74.40	11.63	19.38	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.24	5.40	7.62	14.92	-8.40	-6.18	13.64	5.58	7.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.00
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.97
LEQ	56.67	50.43	58.30	49.35	36.63	44.50	48.07	50.61	58.48	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.97		EVENING LEQ	50.75		NIGHT LEQ	59.46		Use hour?	no
										GRADE dB	0.00
	CNEL		66.00								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Rialto Avenue to Merrill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	573.38	11.88	19.80	106.43	0.50	0.83	79.20	12.38	20.63	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.51	5.67	7.89	15.19	-8.13	-5.91	13.91	5.85	8.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.24
LEQ	56.94	50.71	58.57	49.63	36.90	44.77	48.34	50.88	58.75	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.24		EVENING LEQ	51.02		NIGHT LEQ	59.73		Use hour?	no
										GRADE dB	0.00
	CNEL		66.28								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Rialto Avenue to Merrill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	616.81	12.78	21.30	114.49	0.53	0.89	85.20	13.31	22.19	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	22.82	5.99	8.21	15.51	-7.81	-5.60	14.23	6.17	8.38		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.59
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.56
LEQ	57.26	51.02	58.89	49.94	37.22	45.09	48.66	51.20	59.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.56		EVENING LEQ	51.34		NIGHT LEQ	60.05		Use hour?	no
										GRADE dB	0.00
	CNEL		66.59								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Rialto Avenue to Merrill Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	27500.00
										SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	796.35	16.50	27.50	147.81	0.69	1.15	110.00	17.19	28.65	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	23.93	7.10	9.32	16.62	-6.70	-4.49	15.34	7.28	9.49		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.67
LEQ	58.37	52.13	60.00	51.05	38.33	46.19	49.77	52.31	60.17	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.67		EVENING LEQ	52.45		NIGHT LEQ	61.16		Use hour?	no
										GRADE dB	0.00
	CNEL		67.70								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Rialto Avenue to Merrill Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	29000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	30.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	839.79	17.40	29.00	155.88	0.73	1.21	116.00	18.13	30.21	% A	92.00
Speed in MPH	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	62.51	73.11	78.76	62.51	73.11	78.76	62.51	73.11	78.76	% HT	5.00
ADJUSTMENTS											
Flow	24.16	7.33	9.55	16.85	-6.47	-4.26	15.57	7.51	9.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.90
LEQ	58.60	52.36	60.23	51.28	38.56	46.43	50.00	52.54	60.40	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.90		EVENING LEQ	52.68		NIGHT LEQ	61.39		Use hour?	no
										GRADE dB	0.00
	CNEL		67.93								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	15600.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	451.75	9.36	15.60	83.85	0.39	0.65	62.40	9.75	16.25	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.22	3.39	5.60	12.91	-10.42	-8.20	11.63	3.56	5.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.89
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.49
LEQ	59.50	51.62	58.68	52.19	37.82	44.88	50.90	51.80	58.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.49		EVENING LEQ	53.06		NIGHT LEQ	60.19		Use hour?	no
										GRADE dB	0.00
	CNEL		66.89								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	474.92	9.84	16.40	88.15	0.41	0.68	65.60	10.25	17.08	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.44	3.60	5.82	13.13	-10.20	-7.98	11.84	3.78	6.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.71
LEQ	59.72	51.84	58.90	52.41	38.03	45.10	51.12	52.01	59.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.71		EVENING LEQ	53.28		NIGHT LEQ	60.40		Use hour?	no
										GRADE dB	0.00
	CNEL		67.10								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21470.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	621.74	12.88	21.47	115.40	0.54	0.89	85.88	13.42	22.36	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.61	4.77	6.99	14.30	-9.03	-6.81	13.01	4.95	7.17		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.88
LEQ	60.89	53.01	60.07	53.58	39.20	46.27	52.29	53.18	60.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.88		EVENING LEQ	54.45		NIGHT LEQ	61.57		Use hour?	no
										GRADE dB	0.00
	CNEL		68.27								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21470.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	621.74	12.88	21.47	115.40	0.54	0.89	85.88	13.42	22.36	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.61	4.77	6.99	14.30	-9.03	-6.81	13.01	4.95	7.17		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.88
LEQ	60.89	53.01	60.07	53.58	39.20	46.27	52.29	53.18	60.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.88		EVENING LEQ	54.45		NIGHT LEQ	61.57		Use hour?	no
										GRADE dB	0.00
	CNEL		68.27								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Merill Avenue to Randall Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23200.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	671.83	13.92	23.20	124.70	0.58	0.97	92.80	14.50	24.17	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.95	5.11	7.33	14.63	-8.69	-6.47	13.35	5.29	7.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.61
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.22
LEQ	61.23	53.34	60.41	53.91	39.54	46.61	52.63	53.52	60.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.22		EVENING LEQ	54.78		NIGHT LEQ	61.91		Use hour?	no
										GRADE dB	0.00
	CNEL		68.61								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	532.83	11.04	18.40	98.90	0.46	0.77	73.60	11.50	19.17	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.94	4.10	6.32	13.63	-9.70	-7.48	12.34	4.28	6.50		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.60
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.21
LEQ	60.22	52.34	59.40	52.91	38.53	45.60	51.62	52.51	59.58	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.21		EVENING LEQ	53.78		NIGHT LEQ	60.90		Use hour?	no
										GRADE dB	0.00
	CNEL		67.60								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	561.79	11.64	19.40	104.28	0.49	0.81	77.60	12.13	20.21	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.17	4.33	6.55	13.86	-9.47	-7.25	12.57	4.51	6.73		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.83
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.44
LEQ	60.45	52.57	59.63	53.13	38.76	45.83	51.85	52.74	59.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.44		EVENING LEQ	54.01		NIGHT LEQ	61.13		Use hour?	no
										GRADE dB	0.00
	CNEL		67.83								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	628.40	13.02	21.70	116.64	0.54	0.90	86.80	13.56	22.60	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.66	4.82	7.04	14.34	-8.98	-6.76	13.06	5.00	7.22		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.93
LEQ	60.94	53.05	60.12	53.62	39.25	46.32	52.34	53.23	60.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.93		EVENING LEQ	54.49		NIGHT LEQ	61.62		Use hour?	no
										GRADE dB	0.00
	CNEL		68.32								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25700.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	744.23	15.42	25.70	138.14	0.64	1.07	102.80	16.06	26.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.39	5.55	7.77	15.08	-8.25	-6.03	13.79	5.73	7.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.66
LEQ	61.67	53.79	60.85	54.36	39.98	47.05	53.07	53.96	61.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.66		EVENING LEQ	55.23		NIGHT LEQ	62.35		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Randall Avenue to San Bernardino Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	27500.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	796.35	16.50	27.50	147.81	0.69	1.15	110.00	17.19	28.65	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.68	5.85	8.07	15.37	-7.95	-5.74	14.09	6.03	8.24		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.35
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.96
LEQ	61.96	54.08	61.15	54.65	40.28	47.34	53.37	54.26	61.32	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.96		EVENING LEQ	55.52		NIGHT LEQ	62.65		Use hour?	no
										GRADE dB	0.00
	CNEL		69.35								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **San Bernardino Avenue to Value Center**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23600.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	683.42	14.16	23.60	126.85	0.59	0.98	94.40	14.75	24.58	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.02	5.18	7.40	14.71	-8.62	-6.40	13.42	5.36	7.58		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.29
LEQ	61.30	53.42	60.48	53.99	39.61	46.68	52.70	53.59	60.66	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.29		EVENING LEQ	54.86		NIGHT LEQ	61.98		Use hour?	no
										GRADE dB	0.00
	CNEL		68.68								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **San Bernardino Avenue to Value Center**

	DAYTIME			EVENING			NIGHTTIME			ADT	24900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	721.06	14.94	24.90	133.84	0.62	1.04	99.60	15.56	25.94	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.25	5.42	7.64	14.94	-8.39	-6.17	13.66	5.59	7.81		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.92
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.52
LEQ	61.53	53.65	60.71	54.22	39.85	46.91	52.94	53.83	60.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.52		EVENING LEQ	55.09		NIGHT LEQ	62.22		Use hour?	no
										GRADE dB	0.00
	CNEL		68.92								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **San Bernardino Avenue to Value Center**

	DAYTIME			EVENING			NIGHTTIME			ADT	27200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	787.67	16.32	27.20	146.20	0.68	1.13	108.80	17.00	28.33	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.64	5.80	8.02	15.32	-8.00	-5.78	14.04	5.98	8.20		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.30
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.91
LEQ	61.92	54.03	61.10	54.60	40.23	47.30	53.32	54.21	61.28	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.91		EVENING LEQ	55.48		NIGHT LEQ	62.60		Use hour?	no
										GRADE dB	0.00
	CNEL		69.30								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **San Bernardino Avenue to Value Center**

	DAYTIME			EVENING			NIGHTTIME			ADT	33000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	955.63	19.80	33.00	177.38	0.83	1.38	132.00	20.63	34.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.48	6.64	8.86	16.16	-7.16	-4.94	14.88	6.82	9.04		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.75
LEQ	62.76	54.87	61.94	55.44	41.07	48.14	54.16	55.05	62.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.75		EVENING LEQ	56.31		NIGHT LEQ	63.44		Use hour?	no
										GRADE dB	0.00
	CNEL		70.14								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **San Bernardino Avenue to Value Center**

	DAYTIME			EVENING			NIGHTTIME			ADT	35300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1022.23	21.18	35.30	189.74	0.88	1.47	141.20	22.06	36.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.77	6.93	9.15	16.46	-6.87	-4.65	15.17	7.11	9.33		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.04
LEQ	63.05	55.17	62.23	55.73	41.36	48.43	54.45	55.34	62.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.04		EVENING LEQ	56.61		NIGHT LEQ	63.73		Use hour?	no
										GRADE dB	0.00
	CNEL		70.43								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Value Center to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	22700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	657.35	13.62	22.70	122.01	0.57	0.95	90.80	14.19	23.65	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	21.85	5.02	7.23	14.54	-8.79	-6.57	13.25	5.19	7.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.12
LEQ	61.13	53.25	60.31	53.82	39.45	46.51	52.53	53.43	60.49	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.12		EVENING LEQ	54.69		NIGHT LEQ	61.81		Use hour?	no
										GRADE dB	0.00
	CNEL		68.51								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Value Center to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	28900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	836.90	17.34	28.90	155.34	0.72	1.20	115.60	18.06	30.10	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.90	6.06	8.28	15.59	-7.74	-5.52	14.30	6.24	8.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.17
LEQ	62.18	54.30	61.36	54.87	40.49	47.56	53.58	54.47	61.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.17		EVENING LEQ	55.74		NIGHT LEQ	62.86		Use hour?	no
										GRADE dB	0.00
	CNEL		69.56								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Value Center to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	32100.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	929.56	19.26	32.10	172.54	0.80	1.34	128.40	20.06	33.44	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.36	6.52	8.74	16.04	-7.28	-5.06	14.76	6.70	8.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.63
LEQ	62.64	54.75	61.82	55.32	40.95	48.02	54.04	54.93	62.00	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.63		EVENING LEQ	56.19		NIGHT LEQ	63.32		Use hour?	no
										GRADE dB	0.00
	CNEL		70.02								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Value Center to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	41000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1187.29	24.60	41.00	220.38	1.03	1.71	164.00	25.63	42.71	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.42	7.58	9.80	17.11	-6.22	-4.00	15.82	7.76	9.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.69
LEQ	63.70	55.82	62.88	56.38	42.01	49.08	55.10	55.99	63.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.69		EVENING LEQ	57.26		NIGHT LEQ	64.38		Use hour?	no
										GRADE dB	0.00
	CNEL		71.08								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Value Center to Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	41200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1193.08	24.72	41.20	221.45	1.03	1.72	164.80	25.75	42.92	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.44	7.60	9.82	17.13	-6.20	-3.98	15.84	7.78	10.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.71
LEQ	63.72	55.84	62.90	56.41	42.03	49.10	55.12	56.01	63.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.71		EVENING LEQ	57.28		NIGHT LEQ	64.40		Use hour?	no
										GRADE dB	0.00
	CNEL		71.10								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	32700.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	946.94	19.62	32.70	175.76	0.82	1.36	130.80	20.44	34.06	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.44	6.60	8.82	16.12	-7.20	-4.98	14.84	6.78	9.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.71
LEQ	62.72	54.83	61.90	55.40	41.03	48.10	54.12	55.01	62.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.71		EVENING LEQ	56.27		NIGHT LEQ	63.40		Use hour?	no
										GRADE dB	0.00
	CNEL		70.10								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	34700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1004.85	20.82	34.70	186.51	0.87	1.45	138.80	21.69	36.15	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.69	6.86	9.08	16.38	-6.94	-4.73	15.10	7.04	9.25		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.97
LEQ	62.97	55.09	62.16	55.66	41.29	48.35	54.38	55.27	62.33	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.97		EVENING LEQ	56.53		NIGHT LEQ	63.66		Use hour?	no
										GRADE dB	0.00
	CNEL		70.36								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	42900.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1242.31	25.74	42.90	230.59	1.07	1.79	171.60	26.81	44.69	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.62	7.78	10.00	17.30	-6.02	-3.80	16.02	7.96	10.18		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.89
LEQ	63.90	56.01	63.08	56.58	42.21	49.28	55.30	56.19	63.25	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.89		EVENING LEQ	57.45		NIGHT LEQ	64.58		Use hour?	no
										GRADE dB	0.00
	CNEL		71.28								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME			ADT	47400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1372.63	28.44	47.40	254.78	1.19	1.98	189.60	29.63	49.38	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	25.05	8.21	10.43	17.74	-5.59	-3.37	16.45	8.39	10.61		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.71
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.32
LEQ	64.33	56.45	63.51	57.01	42.64	49.71	55.73	56.62	63.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.32		EVENING LEQ	57.89		NIGHT LEQ	65.01		Use hour?	no
										GRADE dB	0.00
	CNEL		71.71								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Valley Boulevard to I-10**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	55600.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1610.08	33.36	55.60	298.85	1.39	2.32	222.40	34.75	57.92	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	25.74	8.91	11.12	18.43	-4.90	-2.68	17.14	9.08	11.30		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.01
LEQ	65.02	57.14	64.20	57.71	43.34	50.40	56.42	57.32	64.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.01		EVENING LEQ	58.58		NIGHT LEQ	65.71		Use hour?	no
										GRADE dB	0.00
	CNEL		72.41								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **I-10 to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	27000.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	781.88	16.20	27.00	145.13	0.68	1.13	108.00	16.88	28.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.60	5.77	7.99	15.29	-8.03	-5.81	14.01	5.95	8.16		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.27
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.88
LEQ	61.88	54.00	61.07	54.57	40.20	47.26	53.29	54.18	61.24	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.88		EVENING LEQ	55.44		NIGHT LEQ	62.57		Use hour?	no
										GRADE dB	0.00
	CNEL		69.27								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **I-10 to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	28900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	836.90	17.34	28.90	155.34	0.72	1.20	115.60	18.06	30.10	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.90	6.06	8.28	15.59	-7.74	-5.52	14.30	6.24	8.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.17
LEQ	62.18	54.30	61.36	54.87	40.49	47.56	53.58	54.47	61.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.17		EVENING LEQ	55.74		NIGHT LEQ	62.86		Use hour?	no
										GRADE dB	0.00
	CNEL		69.56								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **I-10 to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	32100.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	929.56	19.26	32.10	172.54	0.80	1.34	128.40	20.06	33.44	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	23.36	6.52	8.74	16.04	-7.28	-5.06	14.76	6.70	8.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.63
LEQ	62.64	54.75	61.82	55.32	40.95	48.02	54.04	54.93	62.00	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.63		EVENING LEQ	56.19		NIGHT LEQ	63.32		Use hour?	no
										GRADE dB	0.00
	CNEL		70.02								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **I-10 to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	41000.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1187.29	24.60	41.00	220.38	1.03	1.71	164.00	25.63	42.71	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.42	7.58	9.80	17.11	-6.22	-4.00	15.82	7.76	9.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.69
LEQ	63.70	55.82	62.88	56.38	42.01	49.08	55.10	55.99	63.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.69		EVENING LEQ	57.26		NIGHT LEQ	64.38		Use hour?	no
										GRADE dB	0.00
	CNEL		71.08								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **I-10 to Slover Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	41200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1193.08	24.72	41.20	221.45	1.03	1.72	164.80	25.75	42.92	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	24.44	7.60	9.82	17.13	-6.20	-3.98	15.84	7.78	10.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.10
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.71
LEQ	63.72	55.84	62.90	56.41	42.03	49.10	55.12	56.01	63.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.71		EVENING LEQ	57.28		NIGHT LEQ	64.40		Use hour?	no
										GRADE dB	0.00
	CNEL		71.10								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Slover Avenue to Jurupa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	576.27	11.94	19.90	106.96	0.50	0.83	79.60	12.44	20.73	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.31	3.47	5.69	13.00	-10.33	-8.11	11.71	3.65	5.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.54
LEQ	63.35	54.19	60.63	56.04	40.39	46.83	54.75	54.37	60.81	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.54		EVENING LEQ	56.63		NIGHT LEQ	62.50		Use hour?	no
										GRADE dB	0.00
	CNEL		69.36								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Slover Avenue to Jurupa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	21800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	631.29	13.08	21.80	117.18	0.55	0.91	87.20	13.63	22.71	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.71	3.87	6.09	13.39	-9.93	-7.71	12.11	4.05	6.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.94
LEQ	63.75	54.58	61.03	56.43	40.78	47.23	55.15	54.76	61.21	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.94		EVENING LEQ	57.03		NIGHT LEQ	62.89		Use hour?	no
										GRADE dB	0.00
	CNEL		69.76								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Slover Avenue to Jurupa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	24800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	718.17	14.88	24.80	133.30	0.62	1.03	99.20	15.50	25.83	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.27	4.43	6.65	13.95	-9.37	-7.15	12.67	4.61	6.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.50
LEQ	64.31	55.14	61.59	56.99	41.34	47.79	55.71	55.32	61.77	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.50		EVENING LEQ	57.59		NIGHT LEQ	63.45		Use hour?	no
										GRADE dB	0.00
	CNEL		70.32								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Slover Avenue to Jurupa Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	33800.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	978.79	20.28	33.80	181.68	0.85	1.41	135.20	21.13	35.21	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.61	5.78	7.99	15.30	-8.03	-5.81	14.01	5.95	8.17		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.66
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.84
LEQ	65.65	56.49	62.93	58.34	42.69	49.13	57.05	56.67	63.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.84		EVENING LEQ	58.93		NIGHT LEQ	64.80		Use hour?	no
										GRADE dB	0.00
	CNEL		71.66								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Slover Avenue to Jurupa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	36800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
INPUT PARAMETERS										DISTANCE	100.00
Vehicles per hour	1065.67	22.08	36.80	197.80	0.92	1.53	147.20	23.00	38.33	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.98	6.14	8.36	15.67	-7.66	-5.44	14.38	6.32	8.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.03
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.21
LEQ	66.02	56.86	63.30	58.71	43.06	49.50	57.42	57.04	63.48	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.21		EVENING LEQ	59.30		NIGHT LEQ	65.17		Use hour?	no
										GRADE dB	0.00
	CNEL		72.03								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Jurupa Avenue to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	20600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	596.54	12.36	20.60	110.73	0.52	0.86	82.40	12.88	21.46	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.46	3.62	5.84	13.15	-10.18	-7.96	11.86	3.80	6.02		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.69
LEQ	63.50	54.34	60.78	56.19	40.54	46.98	54.90	54.52	60.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.69		EVENING LEQ	56.78		NIGHT LEQ	62.65		Use hour?	no
										GRADE dB	0.00
	CNEL		69.51								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Jurupa Avenue to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	22700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	657.35	13.62	22.70	122.01	0.57	0.95	90.80	14.19	23.65	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	20.88	4.05	6.26	13.57	-9.76	-7.54	12.29	4.22	6.44		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.11
LEQ	63.92	54.76	61.20	56.61	40.96	47.40	55.33	54.94	61.38	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.11		EVENING LEQ	57.20		NIGHT LEQ	63.07		Use hour?	no
										GRADE dB	0.00
	CNEL		69.94								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Jurupa Avenue to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25600.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	741.33	15.36	25.60	137.60	0.64	1.07	102.40	16.00	26.67	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.40	4.57	6.79	14.09	-9.23	-7.02	12.81	4.75	6.96		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.46
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.64
LEQ	64.44	55.28	61.73	57.13	41.48	47.92	55.85	55.46	61.90	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.64		EVENING LEQ	57.73		NIGHT LEQ	63.59		Use hour?	no
										GRADE dB	0.00
	CNEL		70.46								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Jurupa Avenue to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	35800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1036.71	21.48	35.80	192.43	0.90	1.49	143.20	22.38	37.29	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	22.86	6.02	8.24	15.55	-7.78	-5.56	14.26	6.20	8.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.91
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.09
LEQ	65.90	56.74	63.18	58.59	42.94	49.38	57.30	56.92	63.36	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.09		EVENING LEQ	59.18		NIGHT LEQ	65.05		Use hour?	no
										GRADE dB	0.00
	CNEL		71.91								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Jurupa Avenue to Agua Mansa Road**

	DAYTIME			EVENING			NIGHTTIME			ADT	38700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1120.69	23.22	38.70	208.01	0.97	1.61	154.80	24.19	40.31	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	23.20	6.36	8.58	15.89	-7.44	-5.22	14.60	6.54	8.76		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	72.25
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	68.43
LEQ	66.24	57.08	63.52	58.93	43.27	49.72	57.64	57.25	63.70	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	68.43		EVENING LEQ	59.52		NIGHT LEQ	65.39		Use hour?	no
										GRADE dB	0.00
	CNEL		72.25								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Agua Mansa Road to Placentia Lane**

	DAYTIME			EVENING			NIGHTTIME			ADT	9700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	280.90	5.82	9.70	52.14	0.24	0.40	38.80	6.06	10.10	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.19	0.35	2.57	9.88	-13.45	-11.23	8.59	0.53	2.75		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.24
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.42
LEQ	60.23	51.07	57.51	52.92	37.26	43.71	51.63	51.24	57.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.42		EVENING LEQ	53.51		NIGHT LEQ	59.38		Use hour?	no
										GRADE dB	0.00
	CNEL		66.24								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Agua Mansa Road to Placentia Lane**

	DAYTIME			EVENING			NIGHTTIME			ADT	11600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	335.92	6.96	11.60	62.35	0.29	0.48	46.40	7.25	12.08	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	17.97	1.13	3.35	10.65	-12.67	-10.45	9.37	1.31	3.53		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.20
LEQ	61.01	51.84	58.29	53.69	38.04	44.49	52.41	52.02	58.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.20		EVENING LEQ	54.29		NIGHT LEQ	60.15		Use hour?	no
										GRADE dB	0.00
	CNEL		67.02								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Agua Mansa Road to Placentia Lane**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13800.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	18.72	1.88	4.10	11.41	-11.92	-9.70	10.12	2.06	4.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.77
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.95
LEQ	61.76	52.60	59.04	54.45	38.80	45.24	53.16	52.78	59.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.95		EVENING LEQ	55.04		NIGHT LEQ	60.91		Use hour?	no
										GRADE dB	0.00
	CNEL		67.77								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Agua Mansa Road to Placentia Lane**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23800.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	689.21	14.28	23.80	127.93	0.60	0.99	95.20	14.88	24.79	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.09	4.25	6.47	13.77	-9.55	-7.33	12.49	4.43	6.65		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.32
LEQ	64.13	54.97	61.41	56.81	41.16	47.61	55.53	55.14	61.59	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.32		EVENING LEQ	57.41		NIGHT LEQ	63.27		Use hour?	no
										GRADE dB	0.00
	CNEL		70.14								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Riverside Avenue**

Segment: **Agua Mansa Road to Placentia Lane**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	26000.00
										SPEED	50.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	752.92	15.60	26.00	139.75	0.65	1.08	104.00	16.25	27.08	% A	92.00
Speed in MPH	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	71.12	78.79	83.02	71.12	78.79	83.02	71.12	78.79	83.02	% HT	5.00
ADJUSTMENTS											
Flow	21.47	4.64	6.85	14.16	-9.17	-6.95	12.87	4.81	7.03		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.52
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	66.70
LEQ	64.51	55.35	61.79	57.20	41.55	47.99	55.91	55.53	61.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	66.70		EVENING LEQ	57.79		NIGHT LEQ	63.66		Use hour?	no
										GRADE dB	0.00
	CNEL		70.52								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	144.79	3.00	5.00	26.88	0.13	0.21	20.00	3.13	5.21	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	15.86	-0.98	1.24	8.55	-14.78	-12.56	7.26	-0.80	1.42		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.16
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.45
LEQ	52.89	45.77	53.21	45.58	31.97	39.41	44.29	45.95	53.39	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.45		EVENING LEQ	46.67		NIGHT LEQ	54.54		Use hour?	no
										GRADE dB	0.00
	CNEL		61.16								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	147.69	3.06	5.10	27.41	0.13	0.21	20.40	3.19	5.31	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	15.95	-0.89	1.33	8.63	-14.69	-12.47	7.35	-0.71	1.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.24
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.54
LEQ	52.98	45.86	53.29	45.66	32.06	39.49	44.38	46.04	53.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.54		EVENING LEQ	46.75		NIGHT LEQ	54.62		Use hour?	no
										GRADE dB	0.00
	CNEL		61.24								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	6600.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	191.13	3.96	6.60	35.48	0.17	0.28	26.40	4.13	6.88	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.07	0.23	2.45	9.75	-13.57	-11.35	8.47	0.41	2.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.66
LEQ	54.10	46.98	54.41	46.78	33.18	40.61	45.50	47.16	54.59	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.66		EVENING LEQ	47.87		NIGHT LEQ	55.74		Use hour?	no
										GRADE dB	0.00
	CNEL		62.36								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	159.27	3.30	5.50	29.56	0.14	0.23	22.00	3.44	5.73	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.27	-0.56	1.66	8.96	-14.36	-12.15	7.68	-0.38	1.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.87
LEQ	53.30	46.19	53.62	45.99	32.38	39.82	44.71	46.36	53.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.87		EVENING LEQ	47.08		NIGHT LEQ	54.95		Use hour?	no
										GRADE dB	0.00
	CNEL		61.57								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.71	4.20	7.00	37.63	0.18	0.29	28.00	4.38	7.29	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.91
LEQ	54.35	47.23	54.67	47.04	33.43	40.87	45.75	47.41	54.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.91		EVENING LEQ	48.13		NIGHT LEQ	56.00		Use hour?	no
										GRADE dB	0.00
	CNEL		62.62								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	1800.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	52.13	1.08	1.80	9.68	0.05	0.08	7.20	1.13	1.88	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	11.42	-5.41	-3.19	4.11	-19.21	-17.00	2.83	-5.23	-3.02		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	56.72
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	52.01
LEQ	48.45	41.34	48.77	41.14	27.53	34.97	39.86	41.51	48.95	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	52.01		EVENING LEQ	42.23		NIGHT LEQ	50.10		Use hour?	no
										GRADE dB	0.00
	CNEL		56.72								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	147.69	3.06	5.10	27.41	0.13	0.21	20.40	3.19	5.31	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	15.95	-0.89	1.33	8.63	-14.69	-12.47	7.35	-0.71	1.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.24
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.54
LEQ	52.98	45.86	53.29	45.66	32.06	39.49	44.38	46.04	53.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.54		EVENING LEQ	46.75		NIGHT LEQ	54.62		Use hour?	no
										GRADE dB	0.00
	CNEL		61.24								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	191.13	3.96	6.60	35.48	0.17	0.28	26.40	4.13	6.88	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.07	0.23	2.45	9.75	-13.57	-11.35	8.47	0.41	2.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.66
LEQ	54.10	46.98	54.41	46.78	33.18	40.61	45.50	47.16	54.59	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.66		EVENING LEQ	47.87		NIGHT LEQ	55.74		Use hour?	no
										GRADE dB	0.00
	CNEL		62.36								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	159.27	3.30	5.50	29.56	0.14	0.23	22.00	3.44	5.73	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.27	-0.56	1.66	8.96	-14.36	-12.15	7.68	-0.38	1.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.87
LEQ	53.30	46.19	53.62	45.99	32.38	39.82	44.71	46.36	53.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.87		EVENING LEQ	47.08		NIGHT LEQ	54.95		Use hour?	no
										GRADE dB	0.00
	CNEL		61.57								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.71	4.20	7.00	37.63	0.18	0.29	28.00	4.38	7.29	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.91
LEQ	54.35	47.23	54.67	47.04	33.43	40.87	45.75	47.41	54.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.91		EVENING LEQ	48.13		NIGHT LEQ	56.00		Use hour?	no
										GRADE dB	0.00
	CNEL		62.62								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	153.48	3.18	5.30	28.49	0.13	0.22	21.20	3.31	5.52	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.11	-0.72	1.50	8.80	-14.52	-12.31	7.52	-0.54	1.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.70
LEQ	53.14	46.03	53.46	45.83	32.22	39.66	44.55	46.20	53.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.70		EVENING LEQ	46.92		NIGHT LEQ	54.79		Use hour?	no
										GRADE dB	0.00
	CNEL		61.41								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	162.17	3.36	5.60	30.10	0.14	0.23	22.40	3.50	5.83	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.35	-0.48	1.74	9.04	-14.29	-12.07	7.76	-0.31	1.91		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	56.94
LEQ	53.38	46.26	53.70	46.07	32.46	39.90	44.79	46.44	53.88	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	56.94		EVENING LEQ	47.16		NIGHT LEQ	55.03		Use hour?	no
										GRADE dB	0.00
	CNEL		61.65								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	243.25	5.04	8.40	45.15	0.21	0.35	33.60	5.25	8.75	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.11	1.28	3.50	10.80	-12.52	-10.31	9.52	1.46	3.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.70
LEQ	55.14	48.03	55.46	47.83	34.22	41.66	46.55	48.20	55.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.70		EVENING LEQ	48.92		NIGHT LEQ	56.79		Use hour?	no
										GRADE dB	0.00
	CNEL		63.41								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	211.40	4.38	7.30	39.24	0.18	0.30	29.20	4.56	7.60	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.50	0.67	2.89	10.19	-13.13	-10.92	8.91	0.85	3.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.80
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.09
LEQ	54.53	47.42	54.85	47.22	33.61	41.05	45.94	47.59	55.03	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.09		EVENING LEQ	48.31		NIGHT LEQ	56.18		Use hour?	no
										GRADE dB	0.00
	CNEL		62.80								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	292.48	6.06	10.10	54.29	0.25	0.42	40.40	6.31	10.52	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.91	2.08	4.30	11.60	-11.72	-9.51	10.32	2.26	4.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.21
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.50
LEQ	55.94	48.83	56.26	48.63	35.02	42.46	47.35	49.00	56.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.50		EVENING LEQ	49.72		NIGHT LEQ	57.59		Use hour?	no
										GRADE dB	0.00
	CNEL		64.21								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	240.35	4.98	8.30	44.61	0.21	0.35	33.20	5.19	8.65	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.06	1.23	3.44	10.75	-12.58	-10.36	9.46	1.40	3.62		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.65
LEQ	55.09	47.97	55.41	47.78	34.17	41.61	46.49	48.15	55.59	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.65		EVENING LEQ	48.87		NIGHT LEQ	56.74		Use hour?	no
										GRADE dB	0.00
	CNEL		63.36								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	251.94	5.22	8.70	46.76	0.22	0.36	34.80	5.44	9.06	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.27	1.43	3.65	10.95	-12.37	-10.15	9.67	1.61	3.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.86
LEQ	55.30	48.18	55.61	47.98	34.38	41.81	46.70	48.36	55.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.86		EVENING LEQ	49.07		NIGHT LEQ	56.94		Use hour?	no
										GRADE dB	0.00
	CNEL		63.56								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	324.33	6.72	11.20	60.20	0.28	0.47	44.80	7.00	11.67	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.36	2.53	4.75	12.05	-11.27	-9.06	10.77	2.70	4.92		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.66
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.95
LEQ	56.39	49.27	56.71	49.08	35.47	42.91	47.80	49.45	56.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.95		EVENING LEQ	50.17		NIGHT LEQ	58.04		Use hour?	no
										GRADE dB	0.00
	CNEL		64.66								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	321.44	6.66	11.10	59.66	0.28	0.46	44.40	6.94	11.56	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.32	2.49	4.71	12.01	-11.31	-9.10	10.73	2.67	4.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.91
LEQ	56.35	49.24	56.67	49.04	35.43	42.87	47.76	49.41	56.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.91		EVENING LEQ	50.13		NIGHT LEQ	58.00		Use hour?	no
										GRADE dB	0.00
	CNEL		64.62								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	393.83	8.16	13.60	73.10	0.34	0.57	54.40	8.50	14.17	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	20.21	3.37	5.59	12.89	-10.43	-8.21	11.61	3.55	5.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.80
LEQ	57.24	50.12	57.55	49.92	36.32	43.75	48.64	50.30	57.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.80		EVENING LEQ	51.01		NIGHT LEQ	58.88		Use hour?	no
										GRADE dB	0.00
	CNEL		65.50								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Wildrose Avenue to Indigo Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	6600.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	191.13	3.96	6.60	35.48	0.17	0.28	26.40	4.13	6.88	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.07	0.23	2.45	9.75	-13.57	-11.35	8.47	0.41	2.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.36
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.66
LEQ	54.10	46.98	54.41	46.78	33.18	40.61	45.50	47.16	54.59	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.66		EVENING LEQ	47.87		NIGHT LEQ	55.74		Use hour?	no
										GRADE dB	0.00
	CNEL		62.36								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Wildrose Avenue to Indigo Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	196.92	4.08	6.80	36.55	0.17	0.28	27.20	4.25	7.08	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.20	0.36	2.58	9.88	-13.44	-11.22	8.60	0.54	2.76		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.49
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.79
LEQ	54.23	47.11	54.54	46.91	33.31	40.74	45.63	47.29	54.72	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.79		EVENING LEQ	48.00		NIGHT LEQ	55.87		Use hour?	no
										GRADE dB	0.00
	CNEL		62.49								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Wildrose Avenue to Indigo Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	306.96	6.36	10.60	56.98	0.27	0.44	42.40	6.63	11.04	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.12	2.29	4.51	11.81	-11.51	-9.30	10.53	2.47	4.68		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.71
LEQ	56.15	49.04	56.47	48.84	35.23	42.67	47.56	49.21	56.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.71		EVENING LEQ	49.93		NIGHT LEQ	57.80		Use hour?	no
										GRADE dB	0.00
	CNEL		64.42								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Wildrose Avenue to Indigo Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	231.67	4.80	8.00	43.00	0.20	0.33	32.00	5.00	8.33	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.90	1.07	3.28	10.59	-12.74	-10.52	9.30	1.24	3.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.20
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.49
LEQ	54.93	47.81	55.25	47.62	34.01	41.45	46.33	47.99	55.43	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.49		EVENING LEQ	48.71		NIGHT LEQ	56.58		Use hour?	no
										GRADE dB	0.00
	CNEL		63.20								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Wildrose Avenue to Indigo Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	10500.00
										SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	304.06	6.30	10.50	56.44	0.26	0.44	42.00	6.56	10.94	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.08	2.25	4.47	11.77	-11.56	-9.34	10.49	2.42	4.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.38
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.67
LEQ	56.11	48.99	56.43	48.80	35.19	42.63	47.52	49.17	56.61	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.67		EVENING LEQ	49.89		NIGHT LEQ	57.76		Use hour?	no
										GRADE dB	0.00
	CNEL		64.38								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Indigo Avenue to N Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	194.02	4.02	6.70	36.01	0.17	0.28	26.80	4.19	6.98	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.13	0.30	2.51	9.82	-13.51	-11.29	8.53	0.47	2.69		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.72
LEQ	54.16	47.04	54.48	46.85	33.24	40.68	45.56	47.22	54.66	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.72		EVENING LEQ	47.94		NIGHT LEQ	55.81		Use hour?	no
										GRADE dB	0.00
	CNEL		62.43								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Indigo Avenue to N Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	199.81	4.14	6.90	37.09	0.17	0.29	27.60	4.31	7.19	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.26	0.42	2.64	9.95	-13.38	-11.16	8.66	0.60	2.82		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.85
LEQ	54.29	47.17	54.61	46.98	33.37	40.81	45.69	47.35	54.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.85		EVENING LEQ	48.06		NIGHT LEQ	55.94		Use hour?	no
										GRADE dB	0.00
	CNEL		62.56								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Indigo Avenue to N Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	272.21	5.64	9.40	50.53	0.24	0.39	37.60	5.88	9.79	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.60	1.77	3.98	11.29	-12.04	-9.82	10.01	1.94	4.16		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.90
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.19
LEQ	55.63	48.51	55.95	48.32	34.71	42.15	47.03	48.69	56.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.19		EVENING LEQ	49.41		NIGHT LEQ	57.28		Use hour?	no
										GRADE dB	0.00
	CNEL		63.90								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Indigo Avenue to N Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	228.77	4.74	7.90	42.46	0.20	0.33	31.60	4.94	8.23	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.85	1.01	3.23	10.53	-12.79	-10.57	9.25	1.19	3.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.14
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.44
LEQ	54.88	47.76	55.20	47.56	33.96	41.39	46.28	47.94	55.37	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.44		EVENING LEQ	48.65		NIGHT LEQ	56.52		Use hour?	no
										GRADE dB	0.00
	CNEL		63.14								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Indigo Avenue to N Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	338.81	7.02	11.70	62.89	0.29	0.49	46.80	7.31	12.19	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.55	2.72	4.94	12.24	-11.09	-8.87	10.96	2.89	5.11		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.14
LEQ	56.58	49.46	56.90	49.27	35.66	43.10	47.99	49.64	57.08	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.14		EVENING LEQ	50.36		NIGHT LEQ	58.23		Use hour?	no
										GRADE dB	0.00
	CNEL		64.85								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **N Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	199.81	4.14	6.90	37.09	0.17	0.29	27.60	4.31	7.19	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.26	0.42	2.64	9.95	-13.38	-11.16	8.66	0.60	2.82		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.56
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.85
LEQ	54.29	47.17	54.61	46.98	33.37	40.81	45.69	47.35	54.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.85		EVENING LEQ	48.06		NIGHT LEQ	55.94		Use hour?	no
										GRADE dB	0.00
	CNEL		62.56								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **N Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	205.60	4.26	7.10	38.16	0.18	0.30	28.40	4.44	7.40	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.38	0.55	2.77	10.07	-13.25	-11.04	8.79	0.72	2.94		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.68
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.97
LEQ	54.41	47.30	54.73	47.10	33.49	40.93	45.82	47.47	54.91	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.97		EVENING LEQ	48.19		NIGHT LEQ	56.06		Use hour?	no
										GRADE dB	0.00
	CNEL		62.68								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **N Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11400.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	330.13	6.84	11.40	61.28	0.29	0.48	45.60	7.13	11.88	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.44	2.60	4.82	12.13	-11.20	-8.98	10.84	2.78	5.00		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.03
LEQ	56.47	49.35	56.79	49.16	35.55	42.99	47.87	49.53	56.97	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.03		EVENING LEQ	50.25		NIGHT LEQ	58.12		Use hour?	no
										GRADE dB	0.00
	CNEL		64.74								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **N Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	202.71	4.20	7.00	37.63	0.18	0.29	28.00	4.38	7.29	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.91
LEQ	54.35	47.23	54.67	47.04	33.43	40.87	45.75	47.41	54.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.91		EVENING LEQ	48.13		NIGHT LEQ	56.00		Use hour?	no
										GRADE dB	0.00
	CNEL		62.62								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **N Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	393.83	8.16	13.60	73.10	0.34	0.57	54.40	8.50	14.17	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	20.21	3.37	5.59	12.89	-10.43	-8.21	11.61	3.55	5.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.80
LEQ	57.24	50.12	57.55	49.92	36.32	43.75	48.64	50.30	57.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.80		EVENING LEQ	51.01		NIGHT LEQ	58.88		Use hour?	no
										GRADE dB	0.00
	CNEL		65.50								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	165.06	3.42	5.70	30.64	0.14	0.24	22.80	3.56	5.94	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.43	-0.41	1.81	9.12	-14.21	-11.99	7.83	-0.23	1.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.02
LEQ	53.46	46.34	53.78	46.15	32.54	39.98	44.86	46.52	53.96	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.02		EVENING LEQ	47.24		NIGHT LEQ	55.11		Use hour?	no
										GRADE dB	0.00
	CNEL		61.73								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	170.85	3.54	5.90	31.71	0.15	0.25	23.60	3.69	6.15	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	16.58	-0.26	1.96	9.27	-14.06	-11.84	7.98	-0.08	2.14		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	61.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.17
LEQ	53.61	46.49	53.93	46.30	32.69	40.13	45.01	46.67	54.11	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.17		EVENING LEQ	47.38		NIGHT LEQ	55.26		Use hour?	no
										GRADE dB	0.00
	CNEL		61.88								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	10700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	309.85	6.42	10.70	57.51	0.27	0.45	42.80	6.69	11.15	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	19.17	2.33	4.55	11.85	-11.47	-9.25	10.57	2.51	4.72		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.46
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.76
LEQ	56.19	49.08	56.51	48.88	35.27	42.71	47.60	49.25	56.69	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.76		EVENING LEQ	49.97		NIGHT LEQ	57.84		Use hour?	no
										GRADE dB	0.00
	CNEL		64.46								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	237.46	4.92	8.20	44.08	0.21	0.34	32.80	5.13	8.54	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	18.01	1.17	3.39	10.70	-12.63	-10.41	9.41	1.35	3.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.31
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.60
LEQ	55.04	47.92	55.36	47.72	34.12	41.56	46.44	48.10	55.53	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.60		EVENING LEQ	48.81		NIGHT LEQ	56.69		Use hour?	no
										GRADE dB	0.00
	CNEL		63.31								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **San Bernardino Avenue**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	35.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	393.83	8.16	13.60	73.10	0.34	0.57	54.40	8.50	14.17	% A	92.00
Speed in MPH	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	65.11	74.83	80.05	65.11	74.83	80.05	65.11	74.83	80.05	% HT	5.00
ADJUSTMENTS											
Flow	20.21	3.37	5.59	12.89	-10.43	-8.21	11.61	3.55	5.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.50
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	60.80
LEQ	57.24	50.12	57.55	49.92	36.32	43.75	48.64	50.30	57.73	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	60.80		EVENING LEQ	51.01		NIGHT LEQ	58.88		Use hour?	no
										GRADE dB	0.00
	CNEL		65.50								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	6500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	188.23	3.90	6.50	34.94	0.16	0.27	26.00	4.06	6.77	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	16.42	-0.42	1.80	9.11	-14.22	-12.00	7.82	-0.24	1.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	58.69
LEQ	55.70	47.82	54.88	48.39	34.01	41.08	47.10	47.99	55.06	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	58.69		EVENING LEQ	49.26		NIGHT LEQ	56.38		Use hour?	no
										GRADE dB	0.00
	CNEL		63.08								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	228.77	4.74	7.90	42.46	0.20	0.33	31.60	4.94	8.23	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.27	0.43	2.65	9.95	-13.37	-11.15	8.67	0.61	2.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.93
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.54
LEQ	56.55	48.66	55.73	49.23	34.86	41.93	47.95	48.84	55.91	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.54		EVENING LEQ	50.11		NIGHT LEQ	57.23		Use hour?	no
										GRADE dB	0.00
	CNEL		63.93								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	234.56	4.86	8.10	43.54	0.20	0.34	32.40	5.06	8.44	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.38	0.54	2.76	10.06	-13.26	-11.04	8.78	0.72	2.94		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	64.04
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.65
LEQ	56.66	48.77	55.84	49.34	34.97	42.04	48.06	48.95	56.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.65		EVENING LEQ	50.21		NIGHT LEQ	57.34		Use hour?	no
										GRADE dB	0.00
	CNEL		64.04								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	495.19	10.26	17.10	91.91	0.43	0.71	68.40	10.69	17.81	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.62	3.79	6.00	13.31	-10.02	-7.80	12.02	3.96	6.18		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.89
LEQ	59.90	52.02	59.08	52.59	38.22	45.28	51.30	52.19	59.26	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.89		EVENING LEQ	53.46		NIGHT LEQ	60.58		Use hour?	no
										GRADE dB	0.00
	CNEL		67.28								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	500.98	10.38	17.30	92.99	0.43	0.72	69.20	10.81	18.02	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	20.67	3.84	6.05	13.36	-9.97	-7.75	12.07	4.01	6.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.94
LEQ	59.95	52.07	59.13	52.64	38.27	45.33	51.35	52.25	59.31	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.94		EVENING LEQ	53.51		NIGHT LEQ	60.64		Use hour?	no
										GRADE dB	0.00
	CNEL		67.33								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	5200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	150.58	3.12	5.20	27.95	0.13	0.22	20.80	3.25	5.42	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	15.45	-1.38	0.83	8.14	-15.19	-12.97	6.85	-1.21	1.01		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	62.11
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	57.72
LEQ	54.73	46.85	53.91	47.42	33.05	40.11	46.13	47.02	54.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	57.72		EVENING LEQ	48.29		NIGHT LEQ	55.41		Use hour?	no
										GRADE dB	0.00
	CNEL		62.11								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	225.88	4.68	7.80	41.93	0.20	0.33	31.20	4.88	8.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.21	0.38	2.59	9.90	-13.43	-11.21	8.62	0.55	2.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.48
LEQ	56.49	48.61	55.67	49.18	34.81	41.87	47.89	48.79	55.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.48		EVENING LEQ	50.05		NIGHT LEQ	57.18		Use hour?	no
										GRADE dB	0.00
	CNEL		63.88								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	7800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	225.88	4.68	7.80	41.93	0.20	0.33	31.20	4.88	8.13	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	17.21	0.38	2.59	9.90	-13.43	-11.21	8.62	0.55	2.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	63.88
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	59.48
LEQ	56.49	48.61	55.67	49.18	34.81	41.87	47.89	48.79	55.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	59.48		EVENING LEQ	50.05		NIGHT LEQ	57.18		Use hour?	no
										GRADE dB	0.00
	CNEL		63.88								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	24500.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	709.48	14.70	24.50	131.69	0.61	1.02	98.00	15.31	25.52	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.18	5.35	7.57	14.87	-8.46	-6.24	13.59	5.52	7.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.45
LEQ	61.46	53.58	60.64	54.15	39.78	46.84	52.87	53.76	60.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.45		EVENING LEQ	55.02		NIGHT LEQ	62.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Slover Avenue**

Segment: **East of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	24500.00
										SPEED	40.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	709.48	14.70	24.50	131.69	0.61	1.02	98.00	15.31	25.52	% A	92.00
Speed in MPH	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	67.36	76.31	81.16	67.36	76.31	81.16	67.36	76.31	81.16	% HT	5.00
ADJUSTMENTS											
Flow	22.18	5.35	7.57	14.87	-8.46	-6.24	13.59	5.52	7.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.85
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.45
LEQ	61.46	53.58	60.64	54.15	39.78	46.84	52.87	53.76	60.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.45		EVENING LEQ	55.02		NIGHT LEQ	62.15		Use hour?	no
										GRADE dB	0.00
	CNEL		68.85								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	21700.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	628.40	13.02	21.70	116.64	0.54	0.90	86.80	13.56	22.60	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.14	4.31	6.53	13.83	-9.49	-7.28	12.55	4.49	6.70		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.05
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.95
LEQ	62.41	53.85	60.59	55.09	40.05	46.79	53.81	54.03	60.77	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.95		EVENING LEQ	55.81		NIGHT LEQ	62.27		Use hour?	no
										GRADE dB	0.00
	CNEL		69.05								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	22000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	637.08	13.20	22.00	118.25	0.55	0.92	88.00	13.75	22.92	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.20	4.37	6.59	13.89	-9.43	-7.22	12.61	4.55	6.76		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.11
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.01
LEQ	62.47	53.91	60.65	55.15	40.11	46.85	53.87	54.09	60.82	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.01		EVENING LEQ	55.87		NIGHT LEQ	62.33		Use hour?	no
										GRADE dB	0.00
	CNEL		69.11								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23600.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	683.42	14.16	23.60	126.85	0.59	0.98	94.40	14.75	24.58	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.51	4.67	6.89	14.19	-9.13	-6.91	12.91	4.85	7.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.32
LEQ	62.77	54.21	60.95	55.46	40.41	47.15	54.18	54.39	61.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.32		EVENING LEQ	56.17		NIGHT LEQ	62.63		Use hour?	no
										GRADE dB	0.00
	CNEL		69.42								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	23900.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	692.10	14.34	23.90	128.46	0.60	1.00	95.60	14.94	24.90	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.56	4.73	6.95	14.25	-9.07	-6.86	12.97	4.90	7.12		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.37
LEQ	62.83	54.27	61.01	55.51	40.47	47.21	54.23	54.45	61.18	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.37		EVENING LEQ	56.23		NIGHT LEQ	62.69		Use hour?	no
										GRADE dB	0.00
	CNEL		69.47								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **West of Cedar Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	738.44	15.30	25.50	137.06	0.64	1.06	102.00	15.94	26.56	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.85	5.01	7.23	14.53	-8.79	-6.57	13.25	5.19	7.40		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.75
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.65
LEQ	63.11	54.55	61.29	55.80	40.75	47.49	54.51	54.73	61.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.65		EVENING LEQ	56.51		NIGHT LEQ	62.97		Use hour?	no
										GRADE dB	0.00
	CNEL		69.75								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	13800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	399.63	8.28	13.80	74.18	0.35	0.58	55.20	8.63	14.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.18	2.34	4.56	11.86	-11.46	-9.24	10.58	2.52	4.74		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.09
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.99
LEQ	60.44	51.88	58.62	53.13	38.08	44.82	51.85	52.06	58.80	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.99		EVENING LEQ	53.84		NIGHT LEQ	60.30		Use hour?	no
										GRADE dB	0.00
	CNEL		67.09								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	405.42	8.40	14.00	75.25	0.35	0.58	56.00	8.75	14.58	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.24	2.40	4.62	11.93	-11.40	-9.18	10.64	2.58	4.80		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.15
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.05
LEQ	60.51	51.95	58.68	53.19	38.14	44.88	51.91	52.12	58.86	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.05		EVENING LEQ	53.91		NIGHT LEQ	60.37		Use hour?	no
										GRADE dB	0.00
	CNEL		67.15								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	17000.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	492.29	10.20	17.00	91.38	0.43	0.71	68.00	10.63	17.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.08	3.25	5.47	12.77	-10.55	-8.34	11.49	3.43	5.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.99
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	61.35	52.79	59.53	54.03	38.99	45.73	52.75	52.97	59.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.75		NIGHT LEQ	61.21		Use hour?	no
										GRADE dB	0.00
	CNEL		67.99								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	440.17	9.12	15.20	81.70	0.38	0.63	60.80	9.50	15.83	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.60	2.76	4.98	12.28	-11.04	-8.82	11.00	2.94	5.16		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.51
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.41
LEQ	60.86	52.30	59.04	53.55	38.50	45.24	52.27	52.48	59.22	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.41		EVENING LEQ	54.26		NIGHT LEQ	60.72		Use hour?	no
										GRADE dB	0.00
	CNEL		67.51								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cedar Avenue to Cactus Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	18200.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	527.04	10.92	18.20	97.83	0.46	0.76	72.80	11.38	18.96	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.38	3.54	5.76	13.07	-10.26	-8.04	11.78	3.72	5.94		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.29
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.19
LEQ	61.64	53.09	59.82	54.33	39.28	46.02	53.05	53.26	60.00	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.19		EVENING LEQ	55.05		NIGHT LEQ	61.50		Use hour?	no
										GRADE dB	0.00
	CNEL		68.29								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16000.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	463.33	9.60	16.00	86.00	0.40	0.67	64.00	10.00	16.67	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.82	2.98	5.20	12.51	-10.82	-8.60	11.22	3.16	5.38		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.63
LEQ	61.09	52.53	59.26	53.77	38.72	45.46	52.49	52.70	59.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.63		EVENING LEQ	54.49		NIGHT LEQ	60.95		Use hour?	no
										GRADE dB	0.00
	CNEL		67.73								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	16600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	480.71	9.96	16.60	89.23	0.42	0.69	66.40	10.38	17.29	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.98	3.14	5.36	12.67	-10.66	-8.44	11.38	3.32	5.54		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.89
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.79
LEQ	61.25	52.69	59.42	53.93	38.88	45.62	52.65	52.86	59.60	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.79		EVENING LEQ	54.65		NIGHT LEQ	61.11		Use hour?	no
										GRADE dB	0.00
	CNEL		67.89								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20000.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	579.17	12.00	20.00	107.50	0.50	0.83	80.00	12.50	20.83	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.79	3.95	6.17	13.48	-9.85	-7.63	12.19	4.13	6.35		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.70
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.60
LEQ	62.05	53.50	60.23	54.74	39.69	46.43	53.46	53.67	60.41	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.60		EVENING LEQ	55.46		NIGHT LEQ	61.91		Use hour?	no
										GRADE dB	0.00
	CNEL		68.70								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20200.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	584.96	12.12	20.20	108.58	0.51	0.84	80.80	12.63	21.04	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.83	4.00	6.22	13.52	-9.81	-7.59	12.24	4.17	6.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.64
LEQ	62.10	53.54	60.28	54.78	39.74	46.47	53.50	53.72	60.45	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.64		EVENING LEQ	55.50		NIGHT LEQ	61.96		Use hour?	no
										GRADE dB	0.00
	CNEL		68.74								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Cactus Avenue to Riverside Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	23600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	683.42	14.16	23.60	126.85	0.59	0.98	94.40	14.75	24.58	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.51	4.67	6.89	14.19	-9.13	-6.91	12.91	4.85	7.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.32
LEQ	62.77	54.21	60.95	55.46	40.41	47.15	54.18	54.39	61.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.32		EVENING LEQ	56.17		NIGHT LEQ	62.63		Use hour?	no
										GRADE dB	0.00
	CNEL		69.42								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	335.92	6.96	11.60	62.35	0.29	0.48	46.40	7.25	12.08	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.42	1.59	3.81	11.11	-12.21	-10.00	9.83	1.77	3.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.23
LEQ	59.69	51.13	57.87	52.37	37.33	44.07	51.09	51.31	58.05	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.23		EVENING LEQ	53.09		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.33								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	344.60	7.14	11.90	63.96	0.30	0.50	47.60	7.44	12.40	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.54	1.70	3.92	11.22	-12.10	-9.88	9.94	1.88	4.09		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.44
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.34
LEQ	59.80	51.24	57.98	52.49	37.44	44.18	51.20	51.42	58.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.34		EVENING LEQ	53.20		NIGHT LEQ	59.66		Use hour?	no
										GRADE dB	0.00
	CNEL		66.44								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	25800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	747.13	15.48	25.80	138.68	0.65	1.08	103.20	16.13	26.88	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.90	5.06	7.28	14.58	-8.74	-6.52	13.30	5.24	7.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.80
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.71
LEQ	63.16	54.60	61.34	55.85	40.80	47.54	54.56	54.78	61.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.71		EVENING LEQ	56.56		NIGHT LEQ	63.02		Use hour?	no
										GRADE dB	0.00
	CNEL		69.80								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13600.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	393.83	8.16	13.60	73.10	0.34	0.57	54.40	8.50	14.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.12	2.28	4.50	11.80	-11.52	-9.30	10.52	2.46	4.67		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.02
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.92
LEQ	60.38	51.82	58.56	53.07	38.02	44.76	51.78	52.00	58.74	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.92		EVENING LEQ	53.78		NIGHT LEQ	60.24		Use hour?	no
										GRADE dB	0.00
	CNEL		67.02								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Riverside Avenue to Wildrose Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	27500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	796.35	16.50	27.50	147.81	0.69	1.15	110.00	17.19	28.65	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	22.17	5.34	7.56	14.86	-8.47	-6.25	13.58	5.51	7.73		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	70.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.98
LEQ	63.44	54.88	61.62	56.12	41.08	47.81	54.84	55.06	61.79	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.98		EVENING LEQ	56.84		NIGHT LEQ	63.30		Use hour?	no
										GRADE dB	0.00
	CNEL		70.08								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Wildrose Avenue to Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	254.83	5.28	8.80	47.30	0.22	0.37	35.20	5.50	9.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.22	0.39	2.61	9.91	-13.41	-11.20	8.63	0.57	2.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.03
LEQ	58.49	49.93	56.67	51.17	36.13	42.87	49.89	50.11	56.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.03		EVENING LEQ	51.89		NIGHT LEQ	58.35		Use hour?	no
										GRADE dB	0.00
	CNEL		65.13								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Wildrose Avenue to Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	263.52	5.46	9.10	48.91	0.23	0.38	36.40	5.69	9.48	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.37	0.53	2.75	10.06	-13.27	-11.05	8.77	0.71	2.93		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.28
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.18
LEQ	58.63	50.08	56.81	51.32	36.27	43.01	50.04	50.25	56.99	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.18		EVENING LEQ	52.04		NIGHT LEQ	58.49		Use hour?	no
										GRADE dB	0.00
	CNEL		65.28								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Wildrose Avenue to Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	24500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	709.48	14.70	24.50	131.69	0.61	1.02	98.00	15.31	25.52	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	21.67	4.84	7.05	14.36	-8.97	-6.75	13.07	5.01	7.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.58
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.48
LEQ	62.94	54.38	61.12	55.62	40.57	47.31	54.34	54.55	61.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.48		EVENING LEQ	56.34		NIGHT LEQ	62.80		Use hour?	no
										GRADE dB	0.00
	CNEL		69.58								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Wildrose Avenue to Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	324.33	6.72	11.20	60.20	0.28	0.47	44.80	7.00	11.67	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.27	1.44	3.65	10.96	-12.37	-10.15	9.67	1.61	3.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.18
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.08
LEQ	59.54	50.98	57.72	52.22	37.18	43.91	50.94	51.15	57.89	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.08		EVENING LEQ	52.94		NIGHT LEQ	59.40		Use hour?	no
										GRADE dB	0.00
	CNEL		66.18								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Wildrose Avenue to Eucalyptus Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	26600.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	770.29	15.96	26.60	142.98	0.67	1.11	106.40	16.63	27.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	22.03	5.19	7.41	14.71	-8.61	-6.39	13.43	5.37	7.59		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	69.94
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	65.84
LEQ	63.29	54.73	61.47	55.98	40.93	47.67	54.70	54.91	61.65	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	65.84		EVENING LEQ	56.69		NIGHT LEQ	63.15		Use hour?	no
										GRADE dB	0.00
	CNEL		69.94								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16700.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	483.60	10.02	16.70	89.76	0.42	0.70	66.80	10.44	17.40	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.01	3.17	5.39	12.69	-10.63	-8.41	11.41	3.35	5.57		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.91
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.82
LEQ	61.27	52.71	59.45	53.96	38.91	45.65	52.67	52.89	59.63	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.82		EVENING LEQ	54.67		NIGHT LEQ	61.13		Use hour?	no
										GRADE dB	0.00
	CNEL		67.91								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	17000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	492.29	10.20	17.00	91.38	0.43	0.71	68.00	10.63	17.71	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.08	3.25	5.47	12.77	-10.55	-8.34	11.49	3.43	5.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.99
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.89
LEQ	61.35	52.79	59.53	54.03	38.99	45.73	52.75	52.97	59.71	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.89		EVENING LEQ	54.75		NIGHT LEQ	61.21		Use hour?	no
										GRADE dB	0.00
	CNEL		67.99								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	37500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1085.94	22.50	37.50	201.56	0.94	1.56	150.00	23.44	39.06	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.52	6.68	8.90	16.21	-7.12	-4.90	14.92	6.86	9.08		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.33
LEQ	64.78	56.23	62.96	57.47	42.42	49.16	56.19	56.40	63.14	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.33		EVENING LEQ	58.19		NIGHT LEQ	64.64		Use hour?	no
										GRADE dB	0.00
	CNEL		71.43								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	544.42	11.28	18.80	101.05	0.47	0.78	75.20	11.75	19.58	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.52	3.69	5.90	13.21	-10.12	-7.90	11.92	3.86	6.08		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.43
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.33
LEQ	61.79	53.23	59.96	54.47	39.42	46.16	53.19	53.40	60.14	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.33		EVENING LEQ	55.19		NIGHT LEQ	61.65		Use hour?	no
										GRADE dB	0.00
	CNEL		68.43								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Eucalyptus Avenue to Pepper Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	39300.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1138.06	23.58	39.30	211.24	0.98	1.64	157.20	24.56	40.94	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.72	6.89	9.11	16.41	-6.91	-4.70	15.13	7.06	9.28		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.63
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.53
LEQ	64.99	56.43	63.17	57.67	42.63	49.37	56.39	56.61	63.34	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.53		EVENING LEQ	58.39		NIGHT LEQ	64.85		Use hour?	no
										GRADE dB	0.00
	CNEL		71.63								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	18400.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	532.83	11.04	18.40	98.90	0.46	0.77	73.60	11.50	19.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.43	3.59	5.81	13.11	-10.21	-7.99	11.83	3.77	5.99		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.24
LEQ	61.69	53.13	59.87	54.38	39.33	46.07	53.10	53.31	60.05	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.24		EVENING LEQ	55.09		NIGHT LEQ	61.55		Use hour?	no
										GRADE dB	0.00
	CNEL		68.33								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	18700.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	541.52	11.22	18.70	100.51	0.47	0.78	74.80	11.69	19.48	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.50	3.66	5.88	13.18	-10.14	-7.92	11.90	3.84	6.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.31
LEQ	61.76	53.20	59.94	54.45	39.40	46.14	53.17	53.38	60.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.31		EVENING LEQ	55.16		NIGHT LEQ	61.62		Use hour?	no
										GRADE dB	0.00
	CNEL		68.41								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	37300.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1080.15	22.38	37.30	200.49	0.93	1.55	149.20	23.31	38.85	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.50	6.66	8.88	16.18	-7.14	-4.92	14.90	6.84	9.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.40
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.31
LEQ	64.76	56.20	62.94	57.45	42.40	49.14	56.16	56.38	63.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.31		EVENING LEQ	58.16		NIGHT LEQ	64.62		Use hour?	no
										GRADE dB	0.00
	CNEL		71.40								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	20200.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	584.96	12.12	20.20	108.58	0.51	0.84	80.80	12.63	21.04	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.83	4.00	6.22	13.52	-9.81	-7.59	12.24	4.17	6.39		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.74
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.64
LEQ	62.10	53.54	60.28	54.78	39.74	46.47	53.50	53.72	60.45	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.64		EVENING LEQ	55.50		NIGHT LEQ	61.96		Use hour?	no
										GRADE dB	0.00
	CNEL		68.74								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Pepper Avenue to Meridian Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	38800.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	1123.58	23.28	38.80	208.55	0.97	1.62	155.20	24.25	40.42	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	23.67	6.83	9.05	16.35	-6.97	-4.75	15.07	7.01	9.23		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	71.57
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	67.48
LEQ	64.93	56.37	63.11	57.62	42.57	49.31	56.34	56.55	63.29	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	67.48		EVENING LEQ	58.33		NIGHT LEQ	64.79		Use hour?	no
										GRADE dB	0.00
	CNEL		71.57								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	8800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	254.83	5.28	8.80	47.30	0.22	0.37	35.20	5.50	9.17	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.22	0.39	2.61	9.91	-13.41	-11.20	8.63	0.57	2.78		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.13
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.03
LEQ	58.49	49.93	56.67	51.17	36.13	42.87	49.89	50.11	56.85	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.03		EVENING LEQ	51.89		NIGHT LEQ	58.35		Use hour?	no
										GRADE dB	0.00
	CNEL		65.13								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	9000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	260.63	5.40	9.00	48.38	0.23	0.38	36.00	5.63	9.38	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.32	0.49	2.70	10.01	-13.32	-11.10	8.73	0.66	2.88		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.23
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.13
LEQ	58.59	50.03	56.77	51.27	36.23	42.96	49.99	50.21	56.94	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.13		EVENING LEQ	51.99		NIGHT LEQ	58.45		Use hour?	no
										GRADE dB	0.00
	CNEL		65.23								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	15000.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	434.38	9.00	15.00	80.63	0.38	0.63	60.00	9.38	15.63	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.54	2.70	4.92	12.23	-11.10	-8.88	10.94	2.88	5.10		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.45
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.35
LEQ	60.80	52.25	58.98	53.49	38.44	45.18	52.21	52.42	59.16	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.35		EVENING LEQ	54.21		NIGHT LEQ	60.66		Use hour?	no
										GRADE dB	0.00
	CNEL		67.45								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	10300.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	298.27	6.18	10.30	55.36	0.26	0.43	41.20	6.44	10.73	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.91	1.07	3.29	10.59	-12.73	-10.51	9.31	1.25	3.47		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.81
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.72
LEQ	59.17	50.61	57.35	51.86	36.81	43.55	50.58	50.79	57.53	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.72		EVENING LEQ	52.57		NIGHT LEQ	59.03		Use hour?	no
										GRADE dB	0.00
	CNEL		65.81								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Meridian Avenue to Hermosa Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	16300.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	472.02	9.78	16.30	87.61	0.41	0.68	65.20	10.19	16.98	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.90	3.07	5.28	12.59	-10.74	-8.52	11.30	3.24	5.46		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.81
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.71
LEQ	61.17	52.61	59.35	53.85	38.81	45.54	52.57	52.78	59.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.71		EVENING LEQ	54.57		NIGHT LEQ	61.03		Use hour?	no
										GRADE dB	0.00
	CNEL		67.81								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Hermosa Avenue to Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	327.23	6.78	11.30	60.74	0.28	0.47	45.20	7.06	11.77	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.31	1.47	3.69	11.00	-12.33	-10.11	9.71	1.65	3.87		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.22
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.12
LEQ	59.57	51.02	57.75	52.26	37.21	43.95	50.98	51.19	57.93	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.12		EVENING LEQ	52.98		NIGHT LEQ	59.43		Use hour?	no
										GRADE dB	0.00
	CNEL		66.22								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Hermosa Avenue to Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11500.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	333.02	6.90	11.50	61.81	0.29	0.48	46.00	7.19	11.98	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.39	1.55	3.77	11.07	-12.25	-10.03	9.79	1.73	3.95		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.29
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.20
LEQ	59.65	51.09	57.83	52.34	37.29	44.03	51.05	51.27	58.01	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.20		EVENING LEQ	53.05		NIGHT LEQ	59.51		Use hour?	no
										GRADE dB	0.00
	CNEL		66.29								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Hermosa Avenue to Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	17500.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	506.77	10.50	17.50	94.06	0.44	0.73	70.00	10.94	18.23	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.21	3.37	5.59	12.90	-10.43	-8.21	11.61	3.55	5.77		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.12
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.02
LEQ	61.47	52.92	59.65	54.16	39.11	45.85	52.88	53.09	59.83	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.02		EVENING LEQ	54.88		NIGHT LEQ	61.33		Use hour?	no
										GRADE dB	0.00
	CNEL		68.12								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Hermosa Avenue to Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13000.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	376.46	7.80	13.00	69.88	0.33	0.54	52.00	8.13	13.54	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.92	2.08	4.30	11.61	-11.72	-9.50	10.32	2.26	4.48		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.83
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.73
LEQ	60.18	51.62	58.36	52.87	37.82	44.56	51.59	51.80	58.54	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.73		EVENING LEQ	53.58		NIGHT LEQ	60.04		Use hour?	no
										GRADE dB	0.00
	CNEL		66.83								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Hermosa Avenue to Rancho Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	19000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	550.21	11.40	19.00	102.13	0.48	0.79	76.00	11.88	19.79	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	20.57	3.73	5.95	13.25	-10.07	-7.85	11.97	3.91	6.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	68.47
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	64.38
LEQ	61.83	53.27	60.01	54.52	39.47	46.21	53.23	53.45	60.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	64.38		EVENING LEQ	55.23		NIGHT LEQ	61.69		Use hour?	no
										GRADE dB	0.00
	CNEL		68.47								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Rancho Avenue to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	9200.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	266.42	5.52	9.20	49.45	0.23	0.38	36.80	5.75	9.58	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.42	0.58	2.80	10.10	-13.22	-11.00	8.82	0.76	2.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.32
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.23
LEQ	58.68	50.12	56.86	51.37	36.32	43.06	50.08	50.30	57.04	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.23		EVENING LEQ	52.08		NIGHT LEQ	58.54		Use hour?	no
										GRADE dB	0.00
	CNEL		65.32								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Rancho Avenue to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	9300.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	269.31	5.58	9.30	49.99	0.23	0.39	37.20	5.81	9.69	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.46	0.63	2.85	10.15	-13.17	-10.96	8.87	0.81	3.02		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.37
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.27
LEQ	58.73	50.17	56.91	51.41	36.37	43.11	50.13	50.35	57.09	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.27		EVENING LEQ	52.13		NIGHT LEQ	58.59		Use hour?	no
										GRADE dB	0.00
	CNEL		65.37								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Rancho Avenue to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	12400.00
										SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	359.08	7.44	12.40	66.65	0.31	0.52	49.60	7.75	12.92	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.71	1.88	4.10	11.40	-11.92	-9.71	10.12	2.06	4.27		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.62
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.52
LEQ	59.98	51.42	58.16	52.66	37.62	44.36	51.38	51.60	58.33	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.52		EVENING LEQ	53.38		NIGHT LEQ	59.84		Use hour?	no
										GRADE dB	0.00
	CNEL		66.62								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Rancho Avenue to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	10100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	292.48	6.06	10.10	54.29	0.25	0.42	40.40	6.31	10.52	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	17.82	0.99	3.21	10.51	-12.82	-10.60	9.23	1.16	3.38		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	65.73
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	61.63
LEQ	59.09	50.53	57.27	51.77	36.73	43.46	50.49	50.71	57.44	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	61.63		EVENING LEQ	52.49		NIGHT LEQ	58.95		Use hour?	no
										GRADE dB	0.00
	CNEL		65.73								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **Rancho Avenue to La Cadena Drive**

	DAYTIME			EVENING			NIGHTTIME			ADT	13100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	379.35	7.86	13.10	70.41	0.33	0.55	52.40	8.19	13.65	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.95	2.12	4.33	11.64	-11.69	-9.47	10.36	2.29	4.51		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.86
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.76
LEQ	60.22	51.66	58.40	52.90	37.86	44.59	51.62	51.84	58.57	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.76		EVENING LEQ	53.62		NIGHT LEQ	60.08		Use hour?	no
										GRADE dB	0.00
	CNEL		66.86								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **La Cadena Drive to Mount Vernon Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	335.92	6.96	11.60	62.35	0.29	0.48	46.40	7.25	12.08	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.42	1.59	3.81	11.11	-12.21	-10.00	9.83	1.77	3.98		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.33
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.23
LEQ	59.69	51.13	57.87	52.37	37.33	44.07	51.09	51.31	58.05	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.23		EVENING LEQ	53.09		NIGHT LEQ	59.55		Use hour?	no
										GRADE dB	0.00
	CNEL		66.33								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **La Cadena Drive to Mount Vernon Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	11800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	341.71	7.08	11.80	63.43	0.30	0.49	47.20	7.38	12.29	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.50	1.66	3.88	11.18	-12.14	-9.92	9.90	1.84	4.06		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.41
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.31
LEQ	59.76	51.20	57.94	52.45	37.40	44.14	51.17	51.38	58.12	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.31		EVENING LEQ	53.16		NIGHT LEQ	59.62		Use hour?	no
										GRADE dB	0.00
	CNEL		66.41								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **La Cadena Drive to Mount Vernon Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	14900.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	431.48	8.94	14.90	80.09	0.37	0.62	59.60	9.31	15.52	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.51	2.68	4.89	12.20	-11.13	-8.91	10.91	2.85	5.07		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.42
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.32
LEQ	60.78	52.22	58.96	53.46	38.42	45.15	52.18	52.39	59.13	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.32		EVENING LEQ	54.18		NIGHT LEQ	60.64		Use hour?	no
										GRADE dB	0.00
	CNEL		67.42								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **La Cadena Drive to Mount Vernon Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	12800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	370.67	7.68	12.80	68.80	0.32	0.53	51.20	8.00	13.33	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	18.85	2.02	4.23	11.54	-11.79	-9.57	10.25	2.19	4.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	66.76
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	62.66
LEQ	60.12	51.56	58.30	52.80	37.76	44.49	51.52	51.73	58.47	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	62.66		EVENING LEQ	53.52		NIGHT LEQ	59.98		Use hour?	no
										GRADE dB	0.00
	CNEL		66.76								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Valley Boulevard**

Segment: **La Cadena Drive to Mount Vernon Avenue**

	DAYTIME			EVENING			NIGHTTIME			ADT	15100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	45.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	437.27	9.06	15.10	81.16	0.38	0.63	60.40	9.44	15.73	% A	92.00
Speed in MPH	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	3.00
NOISE CALCULATIONS											
Reference levels	69.34	77.62	82.14	69.34	77.62	82.14	69.34	77.62	82.14	% HT	5.00
ADJUSTMENTS											
Flow	19.57	2.73	4.95	12.26	-11.07	-8.85	10.97	2.91	5.13		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	67.48
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	63.38
LEQ	60.83	52.28	59.01	53.52	38.47	45.21	52.24	52.45	59.19	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	63.38		EVENING LEQ	54.23		NIGHT LEQ	60.69		Use hour?	no
										GRADE dB	0.00
	CNEL		67.48								

FHWA Sound32 Spreadsheet

Existing Year 2014

Project: **Colton's Hub City Centre**

Road: **Wildrose Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	4000.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	122.67	1.50	0.58	22.67	0.07	0.07	17.03	1.50	0.58	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	16.60	-2.52	-6.63	9.27	-16.05	-16.05	8.03	-2.52	-6.63		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	52.86
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	49.62
LEQ	47.96	40.48	42.53	40.63	26.96	33.11	39.39	40.48	42.53	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	49.62		EVENING LEQ	41.49		NIGHT LEQ	45.77		Use hour?	no
										GRADE dB	0.00
	CNEL		52.86								

FHWA Sound32 Spreadsheet

Year 2016 Without Project

Project: **Colton's Hub City Centre**

Road: **Wildrose Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	4100.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	125.73	1.54	0.60	23.23	0.07	0.07	17.46	1.54	0.60	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	16.71	-2.42	-6.52	9.38	-15.94	-15.94	8.13	-2.42	-6.52		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	52.96
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	49.73
LEQ	48.07	40.59	42.64	40.74	27.07	33.22	39.49	40.59	42.64	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	49.73		EVENING LEQ	41.60		NIGHT LEQ	45.88		Use hour?	no
										GRADE dB	0.00
	CNEL		52.96								

FHWA Sound32 Spreadsheet

Year 2016 With Project

Project: **Colton's Hub City Centre**

Road: **Wildrose Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	12600.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	386.40	4.73	1.84	71.40	0.21	0.21	53.66	4.73	1.84	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	21.59	2.46	-1.64	14.25	-11.06	-11.06	13.01	2.46	-1.64		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	57.84
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.60
LEQ	52.94	45.47	47.52	45.61	31.94	38.10	44.37	45.47	47.52	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.60		EVENING LEQ	46.48		NIGHT LEQ	50.76		Use hour?	no
										GRADE dB	0.00
	CNEL		57.84								

FHWA Sound32 Spreadsheet

Year 2035 Without Project

Project: **Colton's Hub City Centre**

Road: **Wildrose Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME			ADT	4800.00
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	147.20	1.80	0.70	27.20	0.08	0.08	20.44	1.80	0.70	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	17.39	-1.73	-5.83	10.06	-15.25	-15.25	8.82	-1.73	-5.83		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	53.65
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	50.41
LEQ	48.75	41.27	43.33	41.42	27.75	33.91	40.18	41.27	43.33	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	50.41		EVENING LEQ	42.28		NIGHT LEQ	46.56		Use hour?	no
										GRADE dB	0.00
	CNEL		53.65								

FHWA Sound32 Spreadsheet

Year 2035 With Project

Project: **Colton's Hub City Centre**

Road: **Wildrose Avenue**

Segment: **North of Valley Boulevard**

	DAYTIME			EVENING			NIGHTTIME				
	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	AUTOS	M.TRUCKS	H.TRUCKS	ADT	13300.00
										SPEED	25.00
										DISTANCE	100.00
INPUT PARAMETERS											
Vehicles per hour	407.87	4.99	1.94	75.37	0.22	0.22	56.64	4.99	1.94	% A	97.40
Speed in MPH	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Left angle	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00	-90.00		
Right angle	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	% MT	1.84
NOISE CALCULATIONS											
Reference levels	59.44	71.09	77.24	59.44	71.09	77.24	59.44	71.09	77.24	% HT	0.74
ADJUSTMENTS											
Flow	21.82	2.69	-1.41	14.49	-10.83	-10.83	13.25	2.69	-1.41		
Distance	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	-3.08	LEFT	-90.00
Finite Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	RIGHT	90.00
Barrier	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CNEL	58.08
Constant	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	-25.00	DAY LEQ	54.84
LEQ	53.18	45.70	47.75	45.85	32.18	38.33	44.61	45.70	47.75	Day hour	89.00
										Absorbtive?	no
	DAY LEQ	54.84		EVENING LEQ	46.71		NIGHT LEQ	50.99		Use hour?	no
										GRADE dB	0.00
	CNEL		58.08								

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