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March 15, 2021 Project No. 20-10104

Subject: Response to Colton Joint Unified School District Comments on the Bloomington Center

Project the Draft Initial Study-Mitigated Negative Declaration

This memorandum includes responses to comments received from the Colton Joint Unified School District (CJUSD) during the circulation of the Draft Initial Study-Mitigated Negative Declaration (IS-MND) prepared for the P-2019-00079 Bloomington Center Project (project).

The Draft IS-MND was circulated for a 30-day public review period that began on October 14, 2020 and ended on November 13, 2020. The County of San Bernardino (County) received a comment letter from Owen Chang, Director of Facilities/Energy Management, Colton Joint Unified School District, on November 11, 2020.

The responses are presented directly below, with the CJUSD letter presented after the responses.

Letter A

COMMENTER: Owen Chang, Director of Facilities/Energy Management, Colton Joint Unified School

District (CJUSD)

DATE: November 11, 2020

Response A-1

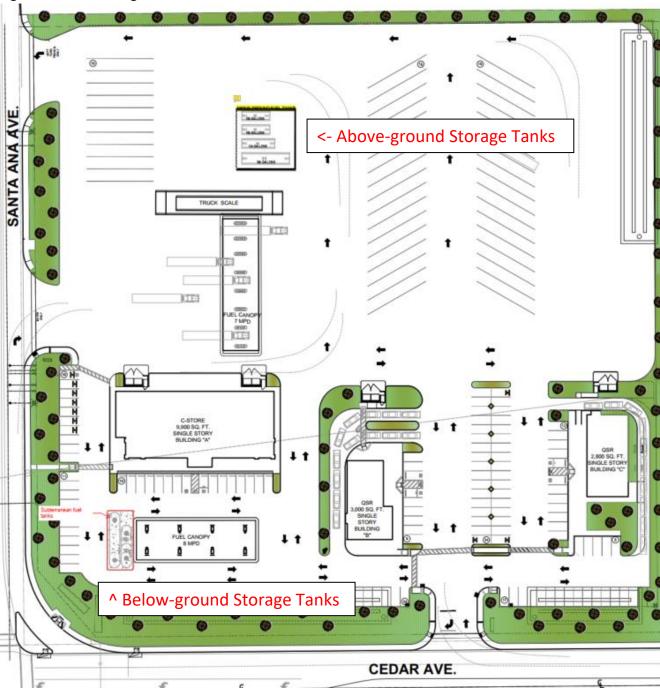
The commenter, representing CJUSD, acknowledges receipt of the Draft IS-MND prepared for the Bloomington Center Project, and provides a summary of the project description. This comment is noted, and no additional changes to the Draft IS-MND are required.

Response A-2

See Figure A-1, below, for a site plan that displays the current positioning of the fuel tanks. Some tanks will be above ground on the eastern portion of the site, and would be screened from surrounding uses. Other tanks would be underground located next to the fueling stations on the western portion of the site. In regards to maintenance measure, the project would adhere to the Certified Unified Program Agency requirements (CUPA is the Hazardous Materials Division of the San Bernardino County Fire Department).



Storage Tank Locations Figure A-1





The commenter notes a discrepancy in the project description specific to proposed Lots 4 and 5; wherein the project description notes that no development would occur on Lots 4 and 5, but the site plan shows development of a surface parking lot and on-site vehicular circulation drive aisles.

The project description is modified as follows:

- 3. A Tentative Parcel Map (TPM) to divide the parcel into 6 commercial lots:
 - Lot 1: 9,900 sf. Convenience Store and 8 pump Fuel Station 1.47 acres
 - Lot 2: 3,000 sf. Quick Serve Drive-thru Restaurant 0.80 acres
 - Lot 3: 2,800 sf. Quick Serve Drive-thru Restaurant 1.03 acres
 - Lot 4: No Development-On-site vehicular drive aisle 0.83 acres
 - Lot 5: No Development-On-site truck parking 0.57 acres
 - Lot 6: Truck fuel canopy with 6 pumps, truck scale and fuel tanks 3.74 acres

This comment does not alter the conclusions of the IS-MND.

Response A-4

The commenter shares an opinion that the discussion for threshold 'c' in Section I, Aesthetics, should expand on how the community of Bloomington meets the definition of an "urbanized area," pursuant to California Public Resources Codes Section 21071. The unincorporated community of Bloomington is a US Census Designated Place, bordered by the Cities of Fontana, Rialto, and Colton which have estimated 2019 populations of 214,500, 103,500, and 54,800 residents, respectively¹. The combined total populations of Bloomington, Fontana, Rialto, and Colton exceed 100,000 residents. The population density of Bloomington is 3,980 persons per square mile, which is greater than the density of Colton (3,400 persons per square mile) but less than the densities of Fontana (4,620 persons per square mile) and Rialto (4,440 persons per square mile). Therefore, the unincorporated community of Bloomington meets the definition of an "urbanized area" pursuant to California Public Resources Code Section 21071 (b)(1)(A).

This comment does not alter the conclusions of the IS-MND that the project would have a less than significant impact on project consistency with applicable zoning and other regulations governing scenic quality.

¹ US Census Bureau. 2020. QuickFacts: Colton city, California; Rialto city, California; Fontana city, California; Bloomington CDP, California. Available online:

https://www.census.gov/quickfacts/fact/table/coltoncitycalifornia,rialtocitycalifornia,fontanacitycalifornia,bloomingtoncdpcalifornia/PST045219. Accessed November 2020.



The commenter states that the 5-acre localized significance thresholds (LSTs) used were not correct. However, per the referenced South Coast Air Quality Management District (SCAQMD) Fact Sheet methodology for determining which LSTs to use, the 5-acre LSTs are appropriate.

Per that Fact Sheet, 0.5 acre per day are to be assigned to each tractor, grader or dozer used, and 1.0 acre per day are to be assigned for each scraper. In California Emissions Estimator Model (CalEEMod), the site preparation phase would use three dozers and four tractors, which would equate to 3.5 acres using the Fact Sheet methodology. The Fact Sheet does not provide guidance on whether to round up or round down to the 2-acre or 5-acre LSTs in this scenario. Given that the site is 8.9 acres, and that grading would occur over this distance multiple times, is it reasonable to assume that 3.5 acres is on the lower end of estimates for daily grading coverage. It is reasonable that seven pieces of equipment operating during one day would be on a wide swath of the project (i.e., seven pieces of equipment do not operate within a tight space together). Therefore, using the 5-acre LSTs is most appropriate for the project during site preparation, which is when the highest emissions occur that are shown in Table 5 of the Draft IS-MND.

The grading phase would use one excavator, one grader, one dozer, and three tractors, which would equate to 3.0 acres using the Fact Sheet methodology. As this is closer to 2.0 acres than 5.0 acres, the project's grading phase emissions are compared to the 2-acre LSTs are shown below. As shown below in Table A-1, these emissions would not exceed the 2-acre LSTs.

Table A-1 Project Construction Local Criteria Pollutant Emissions - Grading

Or	nsite Pollutant Emissio	ons (lbs/day)		
	NOx	со	PM ₁₀	PM _{2.5}
Grading	24.74	15.86	4.11	2.58
SCAQMD LSTs (2-acre)	170	972	7	8
Threshold Exceeded?	No	No	No	No

This comment does not alter the conclusions of the IS-MND.

Response A-6

The commenter states that the Draft IS-MND does not sufficiency address cumulative air quality impacts to sensitive receptors in environmental justice communities.

Environmental justice is not an issue that needs to be addressed under the California Environmental Quality Act (CEQA), and is therefore not analyzed in the IS-MND. It should be noted that the regional and local analysis that occurs as part of the air quality analysis is cumulative in nature. In other words, the regional and local SCAQMD standards are determined with consideration of all pollutants in the regional and local area. As described in the Draft IS-MND, regional and local emissions during construction would not violate an air quality standard or contribute substantially to an existing or projected air quality violation; and would be less than significant.

This comment does not alter the conclusions of the IS-MND.



The commenter notes that the County is in the process of adopting an updated Countywide Plan. The updated Countywide Plan includes Policy HZ-3.1, which requires health risk assessments (HRAs) to evaluate the impacts of truck traffic from the project to freeways. The commenter states that the HRA methodology should be revised to be consistent with this policy.

Pursuant to Section 15004(d) of the *CEQA Guidelines*, the environmental document preparation and review should be coordinated in a timely fashion with the existing planning, review, and project approval processes being used by each public agency. As such, the evaluation contained in the Draft IS-MND is based on the existing planning and review standards in place at the time of preparation. While the County formally adopted the updated Countywide Plan on October 27, 2020—nearly two weeks after the public review period for the Draft IS-MND had commenced—the policy cited by the commenter was a draft policy which was not yet formally adopted when the Draft IS-MND was prepared. Therefore, the analysis in the Draft IS-MND was prepared in accordance with the adopted policies in place at the time of its preparation.

Furthermore, although the HRA does not evaluate truck traffic from the project site to the nearest freeway (Interstate-10, I-10, approximately 0.9 mile to the north), the analysis does evaluate truck traffic on local roadways to account for diesel particulate matter (DPM) emissions from trucks accessing and egressing from the site. As noted by the commenter, DPM emissions associated with truck traffic along Cedar Avenue and Santa Ana Avenue within 1,000 feet of the project site were included in the air dispersion and health risk modeling. Beyond this distance, it is not anticipated that truck emissions on local roadways en route to or from the freeway would substantially affect the localized health risk at the Maximally Exposed Individual Receptor (MEIR) identified in the HRA. Health risk at the MEIR is driven largely by the location's proximity to the project site and emissions associated with on-site circulation and truck idling. Consequently, incorporating off-site emissions along local roadways beyond 1,000 feet from the project site to account for truck travel to and from I-10 (located nearly one mile north of the MEIR) would not be expected to substantially increase health risk at the MEIR or change the conclusions of the IS-MND.

Response A-8

The commenter states that the analysis of health risk from diesel-fueled trucks did not use the SCAQMD-and California Air Resources Board (CARB)-recommended risk tool, the Hotspots Analysis and Reporting Program (HARP), which incorporates the Office of Environmental Health Hazard Assessment (OEHHA) guidance for the use of age-sensitivity factors. As such, the commenter expresses concern that the Draft IS-MND underreports health risks associated diesel-fueled trucks.

As noted on page 29 of the Draft IS-MND, potential risk values associated with the project were quantified based on the U.S. Environmental Protection Agency's (USEPA) *Guidelines for Carcinogen Risk Assessment* (USEPA 2005) and the OEHHA's *Risk Assessment Guidelines* (OEHHA 2015). Specifically, the HRA relies upon the USEPA's guidance regarding the use of age-sensitivity factors, also known as early-life exposure adjustments. Under this guidance, age-sensitivity factors are only applied when the carcinogen in question has been shown to elicit a mutagenic mechanism of action, meaning it causes cancer through genetic mutation. As noted in the Draft IS-MND, DPM as a carcinogen has not been shown to elicit a mutagenic mechanism of action. As such, in accordance with USEPA guidance, age-sensitivity factors have not been applied to the health risk calculations contained in the IS-MND.



The commenter is correct in noting that the use of OEHHA's methodology regarding early-life exposure, which applies age-sensitivity factors to all carcinogens regardless of their mechanism of action, results in a more conservative estimation of potential health risks associated with the project. However, simply because an approach is more conservative does not make it more scientifically appropriate. OEHHA guidance regarding age-sensitivity factors is not required for CEQA analyses, and the methodology employed in the Draft IS-MND has been applied by various lead agencies throughout the SCAQMD jurisdiction when assessing the potential health risk associated with DPM emissions.²³⁴⁵ Furthermore, the commenter's concern regarding the potential underreporting of health risk in the Draft IS-MND is understandable, but unfounded. The analysis contained in the Draft IS-MND includes a number of conservative assumptions. For example, as a conservative simplifying assumption, the analysis presumes that residents would have the windows open sufficiently to equalize the concentration of pollutants between the indoor and outdoor environment, not accounting for any settling of DPM outside of residences on window screens, doors, or other surfaces. Furthermore, the analysis assumes diesel trucks at the project would idle for up to 15 minutes, even though idling of diesel-fueled commercial motor vehicles is limited to 5 minutes pursuant to CARB's Diesel-Fueled Commercial Motor Vehicle Idling Airborne Toxic Control Measure. As a result of these conservative simplifying assumptions, the analysis in the Draft IS-MND likely over-estimates potential health risks associated with the project. Nevertheless, the health risks reported in the Draft IS-MND remain below SCAQMD health risk significance thresholds, and the project would result in a less than significant impact.

This comment does not alter the conclusions of the IS-MND.

Response A-9

The commenter states that the *Air Quality, Greenhouse Gas Emissions and Health Risk Assessment Impact Analysis for the Bloomington Commercial Center Project* ("air quality study," Appendix A to the Draft IS-MND) describes a methodology used to calculate emissions of volatile organic compounds (VOCs) from the proposed gasoline dispensing facility but that such emissions are not employed in the calculation of health risks from the proposed gas station. Furthermore, the commenter notes a discrepancy between the maximum annual throughput of 3.6 million gallons of gasoline per year used in the VOC emissions calculations and 2.5 million gallons per year used in the gasoline dispensing facility screening health risk assessment. The commenter adds that the calculation of daily VOC emissions from the annual emissions reported is unclear and that there are discrepancies between the gasoline dispensing facility screening tool output and the description provided in the air quality study, specifically regarding the distance to receptors and the meteorological station used.

² Burbank, City of. 2019. 777 North Front Street Project – Construction Health Risk Assessment. Prepared by Air Quality Dynamics.

³ Fullerton, City of. 2020. Construction Health Risk Assessment Memorandum fore the Goodman Logistics Center Fullerton Project. Prepared by Urban Crossroads. Available online: https://www.cityoffullerton.com/civicax/filebank/blobdload.aspx?BlobID=27903

⁴ Ontario, City of. 2018. West Ontario Commerce Center Specific Plan, Final EIR. June 2018. Available online: https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/Reports/environmental-reports/wocc final eir.pdf

⁵ Menifee, City of. Legado Specific Plan Final Environmental Impact Report. 2020. Available online: https://cityofmenifee.us/DocumentCenter/View/10335/Legado-Final-EIR



As described in detail in the air quality study, the air quality analysis prepared for the project includes separate calculations for VOC emissions from the proposed gasoline dispensing facility because the CalEEMod does not report VOC emissions created from the transfer and dispensing of gasoline. The VOC emissions calculations are based on the methodology provided in the California Air Pollution Control Officers Association (CAPCOA) *Gasoline Service Station Industrywide Risk Assessment Guidelines* and provide a reasonable worst-case emissions scenario. Section 6.2, *Gasoline Transfer and Dispensing VOC Modeling*, of the air quality study erroneously states that the 4,572 pounds (lbs) per year of VOC emissions would result in 9.94 lbs per day of VOC emissions from gasoline transfer and dispensing. The corrected daily VOC emissions from gasoline dispensing and transfer would equal approximately 12.53 lbs per day (4,572 lbs per year/365 days).

The VOC emissions calculations described above were prepared to more accurately compare the project's anticipated operational emissions to SCAQMD's operational VOC criteria pollutant threshold. For the purposes of analyzing project health risk impacts, however, SCAQMD's RiskTool V1.103 was used. The RiskTool V1.103 is a spreadsheet tool used to provide health risk screening values for various emissions sources, including gasoline dispensing facilities. By their nature, screening tools are intended to provide a conservative assessment of potential health risks in order to determine whether more refined, site-specific analysis is warranted. The RiskTool V1.103 analyzes health risks from gasoline dispensing facilities based on annual throughput, regional meteorological data, and the distance of receptors from the proposed facility. Receptors are conservatively assumed to be downwind of emissions sources. The RiskTool V1.103 does not require project-specific VOC emissions to determine its conservative, screening-level health risk value. As noted in the air quality study and under Threshold c of Section III, Air Quality, of the Draft IS-MND, the screening analysis for the gas station determined that potential health risks at the nearest receptor would remain below SCAQMD's health risk thresholds and a refined HRA for the gas station is not warranted. For this reason, the gasoline transfer and dispensing VOC emissions calculated in support the criteria pollutant analysis are not necessary to assess potential health risk from the gasoline dispensing facility.

The screening health risk value for the gasoline dispensing facility reported in the air quality study and Draft IS-MND was correctly based on a distance of 60 meters (146 feet) to the nearest receptor and the Fontana meteorological station. Additionally, the anticipated annual throughput of the gasoline dispensing facility has been revised in the screening analysis to be 3.6 million gallons per year, resulting in an increase in the screening-level maximum incremental cancer risk from 2.56 in one million to 3.68 in one million. Nevertheless, this value remains below SCAQMD's health risk threshold of 10 in one million. As such, the conclusions of the IS-MND have not changed, and impacts would remain less than significant.

This comment does not alter the conclusions of the IS-MND.

Response A-10

The commenter states that the Draft IS-MND should be revised to discuss the combined health risk to off-site receptors from both the project's diesel emissions and the gasoline dispensing facility, as both project activities would generate potential health risks.

The total operational health risk of the project must consider both health risk to off-site receptors posed by the proposed gasoline dispensing facility and the project's diesel emissions. Conservatively assuming the Maximally Exposed Individual Receptor for the project's diesel emissions is also exposed to the



maximum incremental cancer risk associated with the gasoline dispensing facility, the project would result in a combined maximum incremental excess cancer risk of 7.89 in one million (3.68 in one million from the gasoline dispensing facility + 4.21 in one million from the project's diesel emissions). This combined cancer risk from the project remains below the SCAQMD cancer risk threshold of 10 in one million.

SCAQMD's RiskTool does not provide non-cancer chronic or acute hazard indices for gasoline dispensing facilities, noting that such values are negligible relative to cancer risk. Furthermore, SCAQMD's Risk Assessment Procedures for Rules 1401, 1401.1 & 212 note that for a maximum permitted cancer risk of 10 in one million for gasoline dispensing facilities, non-cancer (chronic and acute) hazard indices are generally less than 0.1, and well below the recommended threshold of 1.0. As such, when combined with the non-cancer chronic health risk for the project's diesel emissions described above, the project's overall non-cancer chronic or acute health risks would not exceed the applicable SCAQMD threshold of 1.0. Combined health risk impacts from the project would be less than significant.

As noted above, health risks associated with the proposed gasoline dispensing facility and the project's diesel emissions would remain below SCAQMD health risk thresholds, and impacts would remain less than significant.

This comment does not affect the conclusion of the IS-MND that the project would have a less than significant impact on air quality and associated health risks from operation of the proposed uses.

Response A-11

The commenter states the greenhouse gas (GHG) threshold is not applicable as the County's CAP is not based upon Senate Bill 32 (SB 32) goals.

The comment has been noted; while the County's CAP is not based upon SB 32 goals, an alternative threshold is the SCAQMD's 3,000 MT CO₂e threshold for non-industrial projects which may be used in place of the County CAP threshold. The SCAQMD's 3,000 MT CO₂e threshold is not determined per Assembly Bill 32 (AB 32) or SB 32 goals, and was developed based upon substantial evidence that projects that exceed 3,000 MT CO₂e represent 90 percent of the GHG emissions in the region. In relation to 2040 and 2050 Countywide GHG emissions, this threshold is also used in Tables 5.7-8 and 5.7-9, of the Countywide Plan (CWP) Program Environmental Impact Report (EIR) referenced by the commenter. In addition, this threshold is used frequently in the County of San Bernardino and throughout the SCAQMD region.

Regarding SB 32 compliance, there are numerous State plans, policies, and regulations adopted to reduce GHG emissions. The principal State plan and policy is AB 32, the California Global Warming Solutions Act of 2006, and the follow up, SB 32. The quantitative goal of AB 32 is to reduce GHG emissions to 1990 levels by 2020 and the goal of SB 32 is to reduce GHG emissions to 40 percent below 1990 levels by 2030. Pursuant to the SB 32 goal, the 2017 Scoping Plan was created to outline goals and measures for the state to achieve the reductions. The 2017 Scoping Plan's goals include reducing fossil fuel use and energy demand, and maximizing recycling and diversion from landfills. The project would be consistent with these goals through project design, which includes complying with the latest Title 24 Green Building Code and Building Efficiency Energy Standards, providing EV parking spaces and charging equipment, and complying with the Assembly Bill 341 (AB 341) waste diversion goals. Therefore, the project is consistent with the applicable GHG reduction strategies in the 2017 Scoping Plan.



Lastly, the commenter references the Final SAFE Rule and how it is not included in CalEEMod. To account for the effects of the Part One Rule, CARB released off-model adjustment factors on November 20, 2019 to adjust criteria air pollutant emissions outputs from the EMFAC model. These off-model adjustment factors are to be applied by multiplying the emissions calculated for light- and medium-duty vehicles by the adjustment factor. With the incorporation of these adjustment factors, operational emissions generated by light-duty automobiles, light-duty trucks, and medium-duty trucks associated with project-related vehicle trips at the year 2021, would be approximately 0.01 percent greater for ROG, 0.09 percent greater for particulate matter, 0.02 percent greater for NO_x, and 0.05 percent greater for CO (see Table A-2 below). These increases would have a negligible impact on overall operational emissions generated by the project and would not alter the significance of the project's operational emissions as discussed in the Draft IS-MND.

Table A-2 San Bernardino County EMFAC Criteria Pollutant SAFE Rule Adjustments

		Daily Emissions (tor	ns)	
Pollutant	EMFAC	Adjusted	Difference	Change
TOG	5.68E+00	5.68E+00	8.30E-04	0.01%
PM	8.53E-02	8.53E-02	7.67E-05	0.09%
NOX	4.08E+00	4.08E+00	8.16E-04	0.02%
СО	4.96E+01	4.97E+01	2.48E-02	0.05%

The information stated above do not alter the conclusions of the IS-MND.

Response A-12

The commenter states the schools located nearest to the project site and states the Draft IS-MND needs to reevaluate the operation of a hazardous materials within 0.25 miles of an existing school, and that the project site is listed on the California Department of Toxic Substances Control's (DTSC) EnviroStor database. The schools nearest to the project site are Crestmore Elementary School (18870 Jurupa Avenue) located approximately 0.5 mile south of the project site; Walter Zimmermann Elementary School (11050 Linden Avenue) located approximately 0.25 mile west of the project site, and Slover Mountain High School (18829 Orange Street) located approximately 0.5 mile north of the project site. The project site is also adjacent to vacant properties owned by the Colton Joint Unified School District, for which development plans do not appear to be in place at this time. As described under Section IX.a and b of the Draft IS-MND, operation of the project would entail activities typical for gas stations, convenience stores, and restaurants, and the project would comply with applicable regulatory requirements for hazardous materials. Therefore, the project would not emit hazardous emissions or create significant hazards from hazardous materials within one-quarter mile of an existing or proposed school, and no impacts would occur.

Upon additional review of DTSC's EnviroStor database, the project site is listed on EnviroStor as part of a larger site located between Cedar Avenue and Larch Avenue (40 acres, High School – Cedar Avenue [36010018]). The High School – Cedar Avenue site was listed due to prior agricultural uses that may have used pesticides or herbicides containing heavy metals, carbamates and urea, organophasphates, and/or organochlorine compounds. However, the cleanup status of the High School – Cedar Avenue site is listed as "No Further Action as of 5/30/2002." DTSC issued a letter, dated May 30, 2002, confirming "neither an actual or potential release of hazardous materials nor the presence of a naturally occurring



hazardous material, which would pose a threat to human health or the environment under unrestricted land use, was indicated at the site. The PEA [Preliminary Endangerment Assessment] concludes that a further investigation of the site is not required."

This comment does not alter the conclusions of the IS-MND that the project would have a less than significant impact on hazardous emissions or materials to schools located within 0.25 mile of the project site, nor that the project would have no impact on hazardous sites identified on the Cortese List.

Response A-13

The commenter states that the discussion for threshold 'b' in Section X, *Hydrology and Water Quality*, should discuss how the development of the project site with impervious surfaces would impact groundwater recharge.

A project-specific Geotechnical Investigation was prepared⁶, which included drilling eight exploratory boreholes to depths of approximately 10 to 51 feet below ground surface to evaluate the subsurface soil conditions. Groundwater was not encountered at the maximum explored depth of 51 feet below ground surface during the subsurface exploration; and the Geotechnical Investigation states that groundwater should not be a factor in the design or construction of the project based upon the depth to groundwater in the project vicinity. Furthermore, the project does not propose any additions of wells. In addition, and the project would be served by West Valley Water District (WVWD) whose supplies from the Riverside Arlington sub-basin are limited by the sub-basin's adjudication.

The project would increase the amount of impervious surface on the site than compared to existing conditions. According to the project-specific Hydrology Study, the project site has two main drainage areas, which drain to the southwest down an existing slope and to the south (Black Gold Engineering 2020; included as Appendix E). Drainage improvements would be made on the project site as part of the project, and post-construction drainage would be directed toward Cedar Avenue which was recently improved with a curb and gutter. The proposed on-site drainage improvements were determined to be sufficient in managing the anticipated rain-event water flows.

Given the above considerations, the project's impacts to its respective groundwater basin, supplies, or recharge would be less than significant. This comment does not change the conclusions of the IS-MND that the project would have a less than significant impact on groundwater supplies or recharge.

Response A-14

The project requires a General Plan Amendment (GPA) to change the land use/zoning from Bloomington/Single Residential-one acre minimum with Additional Agriculture (BL/RS-1/AA) to Bloomington/ General Commercial (BL/CG). This parcel was identified as one to be changed to (CG) with the adoption of the CWP update, which was formally adopted by the County Board of Supervisors on October 27, 2020. Following the adoption of the CWP update, the project site has a General Plan land use designation of CG; therefore, a GPA is not required as part of the project. Section 82.05 lists standards for commercial land use zoning districts; through the planning process with the County, the project has been designed and conditioned to be consistent with this section.

⁶ Sladden Engineering. 2019. Geotechnical Investigation, Proposed Mixed-use Development SEC Cedar Avenue & Santa Ana Avenue. September 17.



The commenter recommends identifying Crestmore Elementary School, located approximately 0.25 mile south of the project site, as a sensitive receiver, and to analyze project noise impacts to it.

At a distance of 100 feet, a dozer and an excavator would generate a noise level of 74.2 dBA Leq. This would be well below the Federal Transportation Administration (FTA) daytime threshold of 80 dBA Leq for an 8-hour period. In addition, with distance attenuation, this would result in a noise level of 51.8 dBA Leq at Crestmore Elementary School, also well below the limit. Therefore, through adherence to the limitation of allowable construction times provided in Section 83.01.080(g)(3) of the County Code and with noise levels below FTA construction noise standards, construction-related noise levels would not exceed noise standards and impacts would be less than significant at Crestmore Elementary School.

Regarding operational noise levels, at a distance of a quarter mile from the noise sources, without consideration of building attenuation or attenuation from the future project wall, operational noise sources would be:

Rooftop HVAC: 24 dBA
 Parking Lot: 15 dBA
 Semi Truck: 39 dBA

Drive Thru Speaker: 19 dBA

Gas Station: 27 dBA

These noise sources would be negligible at the school; operation-related noise levels would not exceed noise standards and impacts would be less than significant at Crestmore Elementary School

This comment does not alter the conclusions of the IS-MND that the project would have a less than significant impact on noise during construction and operation for nearby schools.

Response A-16

The commenter request clarification on the (FHWA) model that was used to analyze the project. The FHWA Highway Traffic Noise Prediction Model (RD-77-108) was used to model traffic noise levels.

Response A-17

The commenter asks for clarification on the source of data used in Table 9, Roadway Vehicle Mixes, in the Noise and Vibration Study that was prepared for the project and included as Appendix F in the Draft IS-MND. The vehicle mixes were determined by Greg Tonkovich at Vista Environmental based upon typical vehicles mixes observed in southern California.

Response A-18

The commenter suggests using Federal Aviation Administration thresholds. Using the referenced thresholds, traffic noise would not exceed the standards. It should be noted that an error was discovered in the calculation for Santa Ana Avenue, east of Cedar Avenue. In the previous calculations, 120 percent of project traffic was assigned to this segment, leading to much higher noise levels than any other segment analyzed. This was an overestimate and unrealistic noise contribution from the project. In rereviewing Figure 9 of the traffic report, it was determined that 50 percent of project traffic would travel on this segment. The noise levels for this segment have been revised as shown in Table A-3.



Calculations are shown in Attachment 1. Traffic noise levels would not exceed the thresholds provided by the commentor.

Table A-3 Revised Traffic Noise Levels For Santa Ana Avenue, East of Cedar Avenue

				dBA	CNEL			
				Opening				
	Existing		Opening	Year			Horizon	
	+		Year	2021 +		Horizon Year	Year 2040	
Existing	Project	Increase	2021	Project	Increase	2040	+ Project	Increase
56.2	58.3	2.1	57.6	59.2	1.6	62.3	62.9	0.6

Response A-19

The commenter requests further explanation on why two pieces of construction equipment were used.

Based upon the professional experience of observing construction sites of Rincon's air quality and noise staff, construction equipment during the louder construction phases such as grading typically operates with two pieces of construction equipment in close proximity to each other. In other words, a dozer and excavator would be operating near each other, and therefore at the most conservative location to sensitive receivers, would be in operation simultaneously nearest to those sensitive receivers. Analyzing more than two pieces of construction equipment together would overestimate noise levels as due to the size, physical limitations, and logistics of a construction site, it is not typical to have many pieces of equipment operating in close proximity. While some pieces of construction equipment may be operating at areas of the site further from sensitive receivers than the two analyzed pieces, the greater distances that that equipment would be operating would make their noise levels negligible compared to the combined noise levels of the closer construction equipment.

The commenter also requests clarification on the use of 100 feet as the distance analyzed for construction noise levels. As stated in the first paragraph under Section XIII.a, "project construction would occur nearest to the single-family and mobile home residences to the north of the project site. Over the course of a typical construction day, construction equipment would be located as close as 100 feet to the nearest residential property line." This is a conservative assumption as it does not consider that through the course of a typical construction day, construction equipment would move across the project site and would average a further distance away from a single sensitive receiver. Given that the FTA construction noise thresholds are based off the average noise level over an 8-hour period, it is appropriate to use the construction equipment's average distance to the nearest sensitive receiver. The analysis takes a more conservative approach by using the approximate closest distance that the construction equipment would be to the nearest sensitive receivers.

This comment does not affect the conclusion of the IS-MND that the project would have a less than significant impact from construction noise.

Response A-20

The commenter suggests including distances from noise sources for the operational noise table, and asks for confirmation of the semi-truck noise reference. The footnote under Table 24 in the Draft IS-MND contained an error; the semi-truck reference noise level is 67.4 dBA at 50 feet. This is shown in the measurements and calculations contained in Attachment 1 of this memorandum. The calculations clarify distances and formulas used.



The commenter suggests a noise barrier between the project and CJUSD-owned property, and also asks for clarification on the use of the operational noise thresholds. The noise thresholds do not specify that a project's noise levels need to comply with vacant properties. A potential future use on the adjacent properties is speculative, as no projects are currently in the planning phase on those properties. Regardless, noise levels do not exceed the analyzed standards. The thresholds are different for the semi-trucks and parking lot due to the mobile nature of those noise sources as they move about the project site. In addition, since the noise analysis was performed, a six-foot block wall has been added to the project design along the southern and eastern property boundaries; this would provide at least a 5-dBA reduction that would further reduce noise levels over those analyzed.

Response A-22

The commenter states the project should look at vibratory roller vibration impacts, as the project involves paving and, according to the commenter, may include a vibratory roller.

Paving equipment can include equipment such as a static roller to compact soil, or through the use of general equipment such as excavators or dozers. Based upon the professional experience of observing construction sites of Rincon's air quality and noise staff, most projects do not use a vibratory roller as that type of roller is typically used on sites with greater topography modifications that need substantial compaction; the site is relatively flat and would require minimal compaction.

In addition, even with use of the aforementioned vibratory roller, vibration levels at the nearest structure (85 feet) would be 0.0627 in/sec PPV, well below the 0.2 in/sec PPV threshold.

This comment does not alter the conclusions of the IS-MND.

Response A-23

The commenter asks for an appendix for the noise calculations. The construction noise, traffic noise, and operational noise files have been added as Attachment 1 to this memorandum.

Response A-24

The commenter states that the IS-MND should address the project's impact regarding plans, ordinances and policies related to transit, bicycle and pedestrian facilities. The project is designed to comply with all applicable County of San Bernardino transportation policies. Under existing conditions, a dirt path lines Cedar Avenue and Santa Ana Avenue; the project would improve this pedestrian connection with installation of sidewalks along the roadways. This would allow easier and safer access to the project site and surrounding areas. The project does not include any element that would prevent the implementation of or preclude the use of the existing or planned bike, pedestrian, or transit facilities in the project site vicinity. No significant impacts would occur.

Response A-25

The commenter states the IS-MND should evaluate VMT impacts. The Traffic Impact Analysis was revised on January 20, 2021 to further address VMT issues. The VMT discussion from that report is provided below:



As mentioned previously, Caltrans emphasizes their Traffic Impact Studies for land uses focus on VMT methodology. From the Caltrans TIS Guide dated May 20, 2020, there is an emphasis on determining the project environmental impact in a manner consistent with OPR's Technical advisory and state GHG emissions reductions goals. The updated CEQA Guidelines allow for lead agency discretion in establishing methodologies and thresholds provided there is substantial evidence to demonstrate that the established procedures promote the intended goals of the legislation. From OPR's Technical Advisory, agencies can assess VMT qualitatively using factors such as availability of transit and proximity to other destinations. The thresholds for these assessments are commonly referred to as the VMT "Screening Criteria."

11.1 - Project Screening Criteria

11.1.1 - Land Use Type

For project's that meet the following conditions, they are presumed to have a less than significant impact on VMT unless proven otherwise and can be exempted from further VMT analysis.

- Local Serving Retail less than 50,000 square feet
- Local Serving K-12 Schools
- Local Parks
- Day Care Centers
- Local-Serving Gas Stations
- Local-Serving Banks
- Local-Serving Hotels (e.g. non-destination hotels)
- Student Housing Projects on or adjacent to college campuses
- Local-serving assembly uses (Places of Worship, Community Organizations)
- Community Institutions (Public Libraries, Fire Stations, Local Government)
- Local Serving Community Colleges
- Affordable or Supportive Housing
- Assisted Living Facilities
- Senior Housing

Performing a Site Analysis for each individual component of the Commercial Center, as the project itself is assumed to not be a destination, but are pass-bys (e.g. vehicles do not actively plan to visit the project site) of unknown origins, these project trips cannot be accounted for. Therefore, the remaining vehicular trips to the project site can be assumed to be local traffic. Using these assumptions, the two (2) gas stations with 16 and 14 vehicle fueling positions (VFP) pass the screening criteria and are NOT required to have further VMT analysis.

Similarly, there are three (3) retail locations: 9,900 square feet convenience store, 3,000 square feet fast-food restaurant with drive-through, and 2,800 square feet fast-food restaurant with drive-through. Each of these retail locations are less than 50,000 square feet per the screening criteria and are therefore exempt from further VMT Analysis.

Therefore, utilizing the Land Use Type Screening Criteria, each component of the project passes their respective screening criteria, and the project site is NOT required to perform further VMT analysis.



1.1.2 - Project Traffic

If a project is found to generate fewer than 110 daily vehicular trips, then it can be assumed that there is a less than significant transportation impact, and the project can be exempt from further analysis. As the project is planned to generate 6,410 Daily Vehicular Trips, it is NOT exempt using the Project Traffic Screening Criteria.

11.1.3 Low VMT Area

For residential and office projects, if the vicinity near the project site is determined to be a low VMT region, it can be assumed that the project itself will generate a low VMT, and thereby be exempt. Based on the SBCTA VMT Screening Tool by Fehr & Peers, the project site is NOT located in a low VMT area and is thereby NOT exempt using this screening parameter.

11.1.4 Transit Priority

A project can be screened to be exempt from further VMT analysis if the project has a close proximity (within ½ mile) to a High Quality Transit Corridor. Per Public Resources Code Section 21064.3, it is defined as "a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. Based on the SBCTA VMT Screening Tool by Fehr & Peers, the project site is NOT located in a Transit Priority area and is thereby NOT exempt using this screening parameter.

This comment does not alter the conclusions of the IS-MND.

Response A-26

The commenter provides information about another project that is proposed for a site located approximately 750 feet north of the project site, and requests that this project also be considered in the analysis of cumulative project impacts.

As described in the Draft IS-MND, the project would have no impact, a less than significant impact, or a less than significant impact with mitigation incorporated with respect to all environmental issues. As described in *Air Quality*, construction and operational criteria pollutant emissions from the proposed project would not be cumulatively considerable. In addition, localized emissions that take into context the surrounding area under the SCAQMD LSTs would not exceed thresholds. The project's GHGs emissions, which is inherently a cumulative discussion and analyzed under *Greenhouse Gas Emissions* would result in impacts that would be a less than significant impact with mitigation. As discussed in *Noise*, under cumulative scenarios project traffic would not result in a potentially significant impact. At a distance of 750 feet, noise levels from construction or operation from one project to the other would be negligible and would not cause a cumulative impact. Therefore, the project would not contribute to cumulative impacts related to these issues. Several resource issues (e.g., geology, hazards and hazardous materials) are project-specific by nature and impacts at one location do not add to impacts at other locations or create additive impacts. Furthermore, future projects in the vicinity of the project site would be required to undergo the appropriate level of environmental review and mitigate potential impacts, as necessary.



Letter A

Colton Joint Unified School District

Frank Miranda, Ed.D., Superintendent Rick Jensen, Assistant Superintendent, Business Services Owen Chang, Director, Facilities, Planning & Construction



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Mrs. Joanne E. Thoring-Ojeda

November 11, 2020

Anthony DeLuca, Senior Planner
County of San Bernardino
Land Use Services Department, Planning Division
385 N. Arrowhead Avenue, 1st Floor
San Bernardino, CA 92415

Subject: Response to Notice of Intent to Adopt Mitigated Negative Declaration for the

Bloomington Center Project, 10951 Cedar Avenue, Bloomington

Dear Mr. DeLuca:

Thank you for the opportunity to provide our input on the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the Bloomington Center Project ("Proposed Project") located at 10951 Cedar Avenue in the community of Bloomington ("Project Site"). Colton Joint Unified School District (District or CJUSD) owns the property adjacent to the Project Site with APNs: 025710123, 025710124, 025710113, and 025710103. Our property is currently vacant. In addition, the District operates Crestmore Elementary School, located at 18870 Jurupa Avenue, and Walter Zimmerman Elementary School, located 11050 Linden Avenue. Both schools are approximately 0.25 miles from the Project Site. Below we outline our understanding of the project and provide our comments.

Understanding of the Project

The Proposed Project includes the construction and operation of a commercial center with a 9,900 square foot convenience store with eight multi-product fuel dispensers and seven diesel bays, two fast food restaurants with drive-throughs (one 3,000 square feet and the other 2,800 square feet), and 143 parking spaces for cars and 33 parking spaces for trucks. The Proposed Project requires a General Plan Amendment to General Commercial, Conditional Use Permit, and Tentative Parcel Map.

A-1



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Comments

» Project Description

- Page 2. Proposed Project includes eight fuel dispensers and seven diesel bays. The Project Description states that fuel tanks would be provided on lot 6. However, it is unclear from the Site Plan (Figure 3) where the specific location of these tanks will be. The Project Description should include a discussion of the location of these fuel tanks, and project design features and maintenance measures put in place to ensure that such tanks are safe from cracks, breaks, and leaks. Additional specific questions include:
 - Will these fuel tanks hold fuel for both the multi-fuel pumps on the west side of the Proposed Project and the diesel tanks toward the east side of the Proposed Project? Or are there separate tanks proposed for the west side of the Project Site?
 - o Will these tanks be above ground or subterranean?

• Page 2. The description for proposed lots 4 and 5 is "no development." However, the Site Plan shows that these areas would be used for vehicular circulation with truck parking spaces provided on the south side of lot 6. If no development is proposed for these lots, will these lots remain unpaved and in their current state? If this is not the case, then the Project Description should describe what will occur within these lots.

» Aesthetics

Bloor

 Threshold (c). PRC §21071 defines "urbanized area." The discussion for this threshold identifies the Project Site as being within an urbanized area. The discussion should expand on how the community of Bloomington meets the definition for "urbanized area."

Air Quality

The South Coast AQMD localized significance (LST) screening tables were not applied correctly to the
project's construction emissions. The LST look-up tables are not based on the size of the project site (5+acres) but are based on the acreage that is graded on a daily basis, based on the project's construction
equipment. ¹

A-3

 $^{^1}$ South Coast AQMD. Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2



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A-6

The air quality analysis in the IS/MND does not sufficiently address cumulative air quality impacts to sensitive receptors in environmental justice communities, of which the Bloomington community has been identified as such a community in the Countywide Plan (CWP). Low-income communities and communities of color often bear a disproportionate burden of pollution and associated health risks when compared to their more affluent neighbors. Environmental justice aims to correct the legacy of concentrating pollution and other hazards in or near low-income communities and communities of color by reducing these hazards and involving the impacted communities in any decisions that affect their environmental health. CalEnviroScreen 3.0 and the CWP identifies that the Bloomington community is an environmental justice community that is disproportionately affected by and vulnerable to poor air quality. Consequently, the IS/MND needs to consider not only project-related emissions but also the project's emissions in context with the existing and planned sources in the Bloomington community. Residents proximate to the project site already experience elevated levels of air pollutants associated with proximity to the Colton Rail Yard, the freeway, and warehousing/industrial sources. The proposed project would incrementally increase health risks. Pursuant to Policy HZ-3.2, Studying and monitoring, of the CWP, the County is planning to study the cumulative health risks affecting areas like Bloomington. However, this study has not yet been initiated. Projects that have the potential to increase toxic air contaminants in environmental justice communities should evaluate the cumulative health risks for affected residents are evaluated in the project's technical analysis so that the project's cumulative contribution to the health risks can be disclosed and decision makers can make findings regarding potential air quality impacts.

» Health Risk Assessment

Δ-7

• It should be noted that the County is in the process of adopting an updated general plan, Countywide Plan (CWP). As part of the CWP, Policy HZ-3.1 Health risk assessment, the County requires a health risk assessment that includes truck traffic from the project to the freeway. The risk assessment includes diesel particulate matter from trucks associated with the project site and off-site within approximately 1,000 feet of the site but does not include travel on local roadways to the freeway. As a result, a full HRA using AERMOD is required to evaluate the potential project-level and cumulative health risk impacts of the project.

A-8

 The evaluation of DPM emissions from trucks did not use the South Coast AQMD and CARB recommended risk calculation tool (Hot Spots Analysis and Reporting Program, HARP). By not using the recommended



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A-8 cont.

HARP, no age sensitivity factors for the third trimester of pregnancy, infants, and young children were applied to the cancer risk determination for the residents to the north. Although the consultant describes that the USEPA states DPM has not been shown to elicit a mutagenic mode of action, the use of HARP with the CARB, South Coast AQMD and OEHHA recommended use of age sensitivity factors is the most conservative way to determine potential off-site risks to sensitive land uses. As the District owns the property directly adjacent and downwind of the proposed Bloomington Center, the District is concerned the health risks from diesel-fueled trucks are underreported and could possibly be significant due to the large number of trucks per day (up to 3,833 one-way trips per day). For instance, using HARP, the 30-year weighted average DPM concentration of 0.0173 micrograms per cubed meters is 15 in a million, which exceeds the air districts threshold of 10 in a million for excess cancer risk for nearby residences.

- There are several discrepancies in the health risk assessment analysis and discussion that could result in underestimated risks to nearby sensitive receptors.
 - o A description of how to calculate VOC emissions for gasoline dispensing is described on page 42 of the AQ-GHG Report. However, these values do not appear to be used in the risk calculations as the consultant used South Coast AQMD's Risk Tool V1.103 to determine screening level risks for the gas dispensing operation. Using the Risk Tool, only the maximum throughput of 2.5 million gallons per year and the distance to receptors is needed. Additionally, the 2nd paragraph of Section 6.2 states the maximum throughput for the gas station is 3.6 million gallons instead of 2.5 million gallons. It is also unclear how the daily emission rate of 9.94 lbs VOC/day is determined from 4,572 lbs VOC/year.
 - o The inputs used in South Coast AQMD's Risk Tool V1.103 do not match the provided description in the report. For instance, a distance between the gas dispensing and residents of 75 m (246 ft) was used to determine risks whereas a distance of 60 m (197 feet) is described on page 58. Additionally, the Banning Meteorological Station was selected instead of the closer Fontana Meteorological Station (which was used in the air dispersion model for trucks). These discrepancies should be addressed and could lead to underreporting of health risks.

A-10

A-9

The combined risk values for the gasoline dispensing and truck stop operations are never discussed. The
risks to off-site receptors would be from a combination of both activities, thus the combined risks should
be discussed and provided.



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Mrs. Joanne E. Thoring-Ojeda » Greenhouse Gas Emissions

- Table 15 shows emissions are slightly over 3,000 MTCO2e. However, the IS/MND mitigates these emissions by requiring 100 points of the County's GHG Reduction Plan. This mitigation strategy would not fully mitigate GHG emissions impacts under Senate Bill 32 (SB 32). The County's GHG Reduction Plan is no longer considered a qualified GHG reduction strategy because it does not achieve the SB 32 targets. As part of the CWP, the County identified the need to update the GHG Reduction Plan for the new GHG targets of SB 32 (and beyond) (see Mitigation Measure GHG-1 and GHG-2 in the Draft PEIR). The IS/MND needs to consider onsite emissions reductions (e.g., energy use) to reduce emissions that are 3 tons per year over the 3,000 MTCO2e threshold. Without onsite reductions to reduce emissions below 3,000 MTCO2e, GHG emissions impacts under threshold (a) would be a significant impact of the project and would warrant a full Environmental Impact Report (EIR).
- CalEEMod and EMFAC 2017 does not include the emissions factor adjustments released in the Final Safer
 Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021-2016 (Final SAFE Rule). The
 California Air Resources Board has identified Adjustment Factors for both criteria air pollutants and also
 GHG emissions that should be applied to the EMFAC2017 emissions factors (travel and idling).

» Hazards and Hazardous Materials

• Threshold (c). The IS/MND states that the nearest school to the Project Site is Village Christian School approximately 0.7 mile northeast from the Project Site. Village Christian School at the identified address is 56 miles west of the Project Site. CJUSD operates Crestmore Elementary School approximately 0.25 miles south of the Project Site, Walter Zimmermann Elementary school approximately 0.25 miles west from the Project Site, and Slover Mountain High School approximately 0.5 miles north of the Project Site. Additionally, the District owns the property immediately adjacent to the Proposed Project. Therefore, the Proposed Project would operate hazardous materials, i.e. gasoline and diesel, approximately one quarter mile of an existing school. The IS/MND needs to evaluate the operation of a hazardous materials within 0.25 miles of an existing school.

CORP AND GO

A-11



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A-12 cont.

 Threshold (d). The IS/MND missed that the Project Site is listed on EnviroStor due to a Preliminary Environmental Assessment completed under DTSC.²

» Hydrology and Water Quality

A-13

 Threshold (b). The Project Site is currently undeveloped and contains approximately 100 percent pervious surfaces. Threshold (b) should discuss how the development of the Project Site with impervious surfaces would impact groundwater recharge.

» Land Use and Planning

A-14

 Threshold (b). The analysis states that "In addition, the proposed project meets the development standards described in Section 82.05 of the County Development Code." However, the discussion does not indicate how the Proposed Project meets the requirements of this section.

» Noise and Vibration

A-15

Section 2.3 Sensitive Receptors. The IS/MND should identify Crestmore Elementary School as a sensitive
receptor in the vicinity of the Proposed Project. Crestmore Elementary School is approximately 0.25 miles
south of the Project Site. The IS/MND should identify this as a sensitive receiver and analyze project
impacts to it.

A-16

Section 3.2 Traffic Noise Methodology. This section states that the "FHWA model" was used. What FHWA model?

A-17

• Tables 7 and 8 give the source of the data. What is the source of the data for Table 9?

A-18

For permanent traffic noise, the adopted threshold of ambient increases at noise-sensitive locations by 3 dBA or more if the locations are subject to noise levels in excess of normally acceptable noise levels in Table IV-K-1 of the County General Plan Final Program Environmental Impact Report (County of San Bernardino 2007), or by 5 dBA or more if the land uses are exposed to conditionally acceptable or unacceptable noise levels, seems backwards. This seems counterintuitive as the allowable increase is

https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=36010018

² California Department of Toxic Substances Control.



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A-18 cont.

more if the existing environment is louder and within the conditionally acceptable or unacceptable categories of the County's Table IV-K-1. Secondly, Table IV-K-1 should be provided in the analysis and/or appendix.

Consider tiered thresholds for traffic noise. For example, based on FAA 2020 (Federal Aviation Administration, 2020. 1050.1F Desk Reference, Version 2. February), the following thresholds may be considered for permanent ambient noise increase. These take into account the existing ambient in outdoor environments due to a given source and that traffic noise is made up of many events/pass-bys over a 24-hour period. They also consider that above certain ambient conditions (i.e., 65 dBA CNEL), sensitive receptors are already noise impacted and, therefore, a lower threshold such as 1.5 dBA CNEL may be used.

Up to 1.5 dBA increase for ambient noise environments of 65 dBA CNEL and higher;

Up to 3 dBA increase for ambient noise environments of 60-64 CNEL; and

Up to 5 dBA increase for ambient noise environments of less than 60 dBA CNEL.

A-19

Section 4.1 Issue 1, Construction. The first paragraph mentions the projected noise level of a dozer and
an excavator at a distance of 100 feet but does not state why only these two pieces of equipment were
considered for construction of the entire Proposed Project. Are these the only two pieces of equipment
proposed for use? The construction analysis also provides the noise level for these two pieces of
equipment at a distance of 100 feet. Please clarify if this is from the property line or some other point on
the project site.

Secondly, the analysis addresses residential sensitive receptors, but should also analyze noise levels at the property line of Crestmore Elementary School to the south.

A 20

• Section 4.1 Issue 1, Operation. Table 10 should include the distances from the noise source to the sensitive receptors. The source of the reference noise measurements given in Table 10 should be cited. Table 10 also shows that the semi-truck reference noise measurement of 61.2 at 10 feet. Assuming that Table 10 uses the nearest distance of 85 feet mentioned in the preceding paragraph, it would not attenuate to 59 dBA. The table footnotes also mention that noise would attenuate (drop-off) 6 dB for each doubling of distance. At 85 feet the noise level from semi-trucks would be 42.6 dBA. The parking lot



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A-20 cont.

noise would be 38.5 and so on. Please revise, and again add the exact distances used for attenuation for clarification.

A-21

• It is unclear why the thresholds used in Table 10 for semi-trucks and parking lot (i.e., 60/60 dBA day/night) are different than for other sources. When on the project site they would all generally be considered stationary noise sources (e.g., loading and unloading). Table 4 contains thresholds of 55/45 dBA day/night for such sources affecting residential properties. The IS/MND should also analyze the Proposed Project's impact to the adjacent school district property. The Proposed Project will affect the viability to develop future noise sensitive uses due to the noise from the Proposed Project (i.e., stationary noise). Due to new stationary noise sources the Proposed Project would introduce (truck idling, drive thru speakers, truck loading, parking lot noise, and HVAC equipment), a noise barrier/sound wall along the adjacent District-owned property would be appropriate.

A-22

Section 4.2 Issue 2, Construction. The second paragraph of this analysis states that the primary source of
vibration during construction would be from a dozer. However, the site plan clearly shows a parking lot,
which would include paving. Paving activities may include the use of a vibratory roller, which generates
vibration levels greater than a dozer (0.21 in/sec PPV at 25 feet per FTA 2018). The vibration analysis
needs to consider equipment for paving activities.

A-23

 RCNM construction noise inputs and outputs, traffic noise increase calculations, and operational stationary source attenuation calculations to all nearby sensitive receptors (including schools) should all be included in an appendix.

» Transportation

A-24

Threshold (a). The IS/MND should address the Proposed Project's impact regarding plans, ordinances and
policies related to transit, bicycle and pedestrian facilities.

A-25

Threshold (b). The VMT assessment is not consistent with the County's recently adopted Senate Bill 743
(SB 743) threshold.³ Page 91 through 92 states that "it would not be feasible to analyze the VMT of a truck stop" yet the air quality and GHG emissions impacts include transportation-related emissions based on VMT generated using CalEEMod. It is not clear if the County's SB 743 Transportation Impact Study

³ San Bernardino County. 2019, July 9. https://cms.sbcounty.gov/Portals/50/transportation/Traffic-Study-Guidelines.pdf?ver=2019-10-03-155637-153



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A-25 cont.

A-26

Guidelines were followed. At the very least, the IS/MND should make a significance determination based on the adopted screening criteria identified in the Transportation Impact Study Guidelines. Currently, the VMT assessment states that "VMT analysis is irrelevant to the Traffic Study completed for this project." As such, the IS/MND makes no attempt to evaluate VMT impacts; and this is a critical flaw that needs to be corrected prior to consideration of the project.

» Cumulative Impacts. The District learned of another project (PROJ-2020-00035; APN: 0257-031-12) that includes the construction and operation of a truck terminal with a two story building with office and truck repair, 321 truck parking spaces, and 13 vehicle parking spaces. This truck terminal project is located approximately 750 feet north of the Project Site. Given the close proximity of the Bloomington Center Project and the truck terminal project along with the projects' proximity to District schools and property, the environmental analysis for the Proposed Project should evaluate the Proposed Project's cumulative impacts with the truck terminal project.

We appreciate the opportunity to submit comments on the project and its CEQA document. We identified above, we have serious concerns regarding the adequacy of the environmental review and look forward to your responses to these concerns.

Sincerely,

Owen Chang

Owen Chang

Director of Facilities/Energy Management

Cc: Rick Jensen, Assistant Superintendent of Business



Attachment 1

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 11/20/2020 Case Description: Bloomington

---- Receptor #1 ----

Baselines (dBA)

Description Land Use Daytime Evening Night
Residential Residential 80 80 80

Equipment

		Spec	Actual	Receptor	Estimated
	Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%) (dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40	81.7	100	0
Excavator	No	40	80.7	100	0

Results

Calculated (dBA)

 Equipment
 *Lmax
 Leq

 Dozer
 75.6
 71.7

 Excavator
 74.7
 70.7

 Total
 75.6
 74.2

^{*}Calculated Lmax is the Loudest value.

Scenario: EXISTING CONDITIONS

Project: Bloomington Commercial Center
Site Conditions: Soft

		Vehicle M	ix 1 (Local))	'	/ehicle Mix	2 (Arteria	I)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 4430 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	NOISE PARAMETERS AT 60 FEE				NTERLINE	E (E	quiv. Lane D	ist: 59.46	ft)	Centerline Distance to		
		Noise Adj	ustments			Unn	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite A 59.44 -2.93 -1.23 -1.3				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	59.44 -2.93 -1.23 -1.				51.95	50.64	44.63	53.04	53.67	70 dBA:	4	5
Medium Trucks	71.09	-20.17	-1.23	-1.20	48.48	27.23	33.25	14.96	28.10	30.86	65 dBA:	10	11
Heavy Trucks	78.74	-24.13	-1.23	-1.20	52.18	26.83	23.43	28.08	34.28	34.37	60 dBA:	21	23
		78.74 -24.13 -1.23 -1			56.91	51.98	50.72	44.72	53.12	53.74	55 dBA:	45	49

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 5140 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	ISE PARAN	/IETERS A	T 45 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline Distance to			
		Noise Ad	justments			Unr	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)	
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	59.44	-2.29	0.69	-1.20	56.64	54.52	53.20	47.19	55.61	56.24	70 dBA:	5	6	
Medium Trucks	71.09	-19.53	0.69	-1.20	51.05	29.80	35.82	17.53	30.67	33.42	65 dBA:	11	12	
Heavy Trucks	78.74	-23.48	0.69	-1.20	54.75	29.39	25.99	30.64	36.84	36.94	60 dBA:	23	26	
				Total:	59.48	54.54	53.29	47.29	55.68	56.31	55 dBA:	50	55	

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 10260 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2

Average Daily 1	ramc: 102	NOISE PARAMETERS AT 55 FE				Ή	venicie iv	IIX: Z		K	oadway Cia	ssification	n: iviajor
_	NO	ISE PARAN	METERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane Di	st: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Levels			Noise Con	tour (in f	eet)
Vehicle Type	REMEL	, ,				Leq Peak Leq Day Leq Eve. Leq Night Ldn						Ldn	CNEL
Automobiles	69.34	-2.09	-0.04	-1.20	66.02	63.65	62.35	56.30	64.73	65.36	70 dBA:	27	30
Medium Trucks	77.62	-16.95	-0.04	-1.20	59.43	40.22	32.44	41.65	47.80	47.84	65 dBA:	59	64
Heavy Trucks	82.14	-14.74	-0.04	-1.20	66.17	49.18	41.40	50.61	56.76	56.79	60 dBA:	127	138
				Total:	69 55	63.82	62 39	57 <i>4</i> 5	65.45	66 00	55 dBA.	274	297

Scenario: EXISTING CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 10200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 -2.11-1.34-1.20 64.70 62.32 61.03 54.98 63.41 64.04 70 dBA: 26 29 Medium Trucks 77.62 -16.98-1.34-1.2058.11 38.90 31.12 40.33 46.48 46.51 65 dBA: 57 62 60 dBA: Heavy Trucks 82.14 -14.76-1.34 -1.20 64.84 47.86 40.07 49.28 55.44 55.47 122 133 68.23 62.50 61.07 56.13 Total: 64.13 64.67 55 dBA: 264 287

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major Average Daily Traffic: 11030 Vehicles NOISE PARAMETERS AT 65 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 -1.77-1.34 -1.2065.04 62.66 61.37 55.32 63.75 64.38 70 dBA: 28 30 Medium Trucks 77.62 39.24 40.67 65 dBA: 60 65 -16.64-1.34-1.20 58.45 31.46 46.82 46.85 60 dBA: **Heavy Trucks** 82.14 -14.42-1.34-1.20 65.18 48.19 40.41 49.62 55.78 55.81 129 140 Total: 68.57 62.84 61.41 56.47 64.47 65.01 55 dBA: 278 302

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Medium Trucks

Heavy Trucks

77.62

82.14

-16.90

-14.68

-2.39

-2.39

Average Daily Traffic: 10400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL Ldn CNEL Automobiles 70 dBA: 69.34 -2.03-2.39 -1.2063.72 61.35 60.06 54.00 62.43 63.07 26 29

> -1.20 57.13 37.93 39.35 65 dBA: 56 61 30.14 45.51 45.54 -1.20 63.87 46.88 39.10 48.31 54.50 60 dBA: 122 132 54.46 55.15 Total: 67.25 61.52 60.10 **63.70** 55 dBA: 262 285 63.15

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 3670 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAN	IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 54.42	ft)	Centerline Distance to		
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	, ,				Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.21	-0.65	-1.20	58.04	55.92	54.61	48.59	57.01	57.64	70 dBA:	8	8
Medium Trucks	74.83	-22.45	-0.65	-1.20	50.52	29.27	35.29	17.00	30.14	32.90	65 dBA:	16	18
Heavy Trucks	80.05	-26.41	-0.65	-1.20	51.78	26.43	23.03	27.68	33.88	33.98	60 dBA:	35	38
				Total:	59.55	55.93	54.66	48.63	57.04	57.67	55 dBA:	75	83

Scenario: EXISTING CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

55 dBA:

60

66

Road Name: Larch Avenue Segment: South of Santa Ana Avenue

Roadway Classification: Collector Average Daily Traffic: 2620 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Unmitigated Noise Levels Noise Adjustments** Noise Contour (in feet) Leg Peak Leg Day Leg Eve. Leg Night Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Ldn CNEL Ldn **CNEL** Automobiles 65.11 -6.68-2.25-1.20 54.98 52.86 51.54 45.53 53.95 54.58 70 dBA: 6 7 Medium Trucks 74.83 -23.91 -2.25 -1.20 47.46 26.21 32.23 13.94 27.08 29.84 65 dBA: 13 14 Heavy Trucks 80.05 -27.87-2.25-1.20 48.72 23.37 19.97 24.62 30.82 30.92 60 dBA: 28 31

Road Name: Slover Avenue Segment: West of Cedar Avenue

Total:

Average Daily Traffic: 4750 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major

52.87

51.60

45.57

53.98

54.61

56.48

	NOI	SE PARAN	IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 49.49	ft)	Centerline Distance to			
		Noise Adj	iustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)	
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite A				Leq Day	Leq Eve.	Leq Night	CNEL		Ldn	CNEL		
Automobiles	71.12	-5.89	-0.04	-1.20	63.99	61.62	60.33	54.27	62.71	63.34	70 dBA:	20	21	
Medium Trucks	78.79	-20.76	-0.04	-1.20	56.80	37.59	29.81	39.02	45.17	45.21	65 dBA:	42	46	
Heavy Trucks	83.02	-18.54	-0.04	-1.20	63.25	46.26	38.47	47.68	53.84	53.87	60 dBA:	91	99	
•				Total:	67.07	61.76	60.36	55.24	63.30	63.86	55 dBA:	197	214	

Road Name: Slover Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 4940 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft)

Noise Adjustments

Hamilianted Noise Levels

Noise Centeur (in feet)

		O=					- \-	quivi Eurio B		•••	000	-	
		Noise Adj	ustments			Unn	nitigated I	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Ad 71 12 -5 72 -1 34 -1 2				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	-5.72	-1.34	-1.20	62.86	60.49	59.20	53.15	61.58	62.21	70 dBA:	20	21
Medium Trucks	78.79	-20.59	-1.34	-1.20	55.67	36.46	28.68	37.89	44.04	44.08	65 dBA:	42	46
Heavy Trucks	83.02	-18.37	-1.34	-1.20	62.12	45.13	37.35	46.55	52.71	52.74	60 dBA:	91	99
				Total:	65.95	60.63	59.23	54.11	62.17	62.73	55 dBA:	196	213

Road Name: Santa Ana Avenue Segment: West of Linden Avenue

Average Daily Traffic: 2660 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAM	IETERS A	T 70 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 66.78	ft)	Centerline Distance to		
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	feet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Ad				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-7.44	-1.99	-1.20	56.73	54.36	53.07	47.01	55.44	56.08	70 dBA:	9	9
Medium Trucks	76.31	-22.31	-1.99	-1.20	50.82	31.61	23.83	33.04	39.19	39.23	65 dBA:	18	20
Heavy Trucks	81.16	-20.09	-1.99	-1.20	57.88	40.89	33.11	42.32	48.48	48.51	60 dBA:	40	43
				Total:	60.81	54.57	53.12	48.41	56.32	56.85	55 dBA:	86	93

Scenario: EXISTING CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 3920 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	IETERS A	T 80 FEET	FROM CEI	NTERLINI	E (E	quiv. Lane D	Dist: 77.19	ft)	Centerline	Distance	e to
		Noise Adj	iustments			Unr	nitigated	Noise Level	s		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-5.76	-2.93	-1.20	57.47	55.10	53.81	47.75	56.18	56.81	70 dBA:	11	12
Medium Trucks	76.31	-20.62	-2.93	-1.20	51.56	32.35	24.57	33.78	39.93	39.96	65 dBA:	24	26
Heavy Trucks	81.16	-18.40	-2.93	-1.20	58.62	41.63	33.85	43.06	49.21	49.25	60 dBA:	51	55
				Total:	61.55	55.31	53.86	49.15	57.06	57.59	55 dBA:	110	119

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 2590 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NC	DISE PARA	METERS	AT 75 FEE	T FROM C	ENTERLII	NE (Equiv. Lane	Dist: 72 ft))	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-7.56	-2.48	-1.20	56.13	53.75	52.46	46.41	54.84	55.47	70 dBA:	8	9
Medium Trucks	76.31	-22.42	-2.48	-1.20	50.21	31.00	23.22	32.43	38.58	38.62	65 dBA:	18	20
Heavy Trucks	81.16 -20.20 -2.48 -1.20				57.28	40.29	32.51	41.71	47.87	47.90	60 dBA:	39	42
				Total:	60.21	53.97	52.51	47.80	55.72	56.25	55 dBA:	84	91

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 1120 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	IETERS A	T 70 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	67.36 -11.20 -1.99 -1.20				50.60	49.31	43.26	51.69	52.32	70 dBA:	5	5
Medium Trucks	76.31	*****			47.06	27.85	20.07	29.28	35.43	35.47	65 dBA:	10	11
Heavy Trucks	81.16				54.13	37.14	29.36	38.56	44.72	44.75	60 dBA:	22	24
				Total:	57.06	50.82	49.36	44.65	52.57	53.10	55 dBA:	48	52

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 3070 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOI	ISE PARAN	METERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane [Dist: 49.49	ft)	Centerline	Distanc	e to
		Noise Adj	ustments			Unn	nitigated	Noise Leve	ls		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-6.82	-0.04	-1.20	59.31	56.93	55.64	49.59	58.02	58.65	70 dBA:	10	11
Medium Trucks	76.31	-21.68	-0.04	-1.20	53.39	34.18	26.40	35.61	41.77	41.80	65 dBA:	22	23
Heavy Trucks	81.16	-19.46	-0.04	-1.20	60.46	43.47	35.69	44.90	51.05	51.08	60 dBA:	46	50
				Total:	63.39	57.15	55.69	50.98	58.90	59.43	55 dBA:	100	109

Project: Bloomington Commercial Center Site Conditions: Soft **Scenario: EXISTING CONDITIONS**

Road Name: Jurupa Avenue Segment: **East of Cedar Avenue**

Average Daily Traffic: 4250 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

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	NOIS	SE PARAM	METERS A	T 50 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 43.86	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated I	Noise Level	S		Noise Cont	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-5.40	0.75	-1.20	61.51	59.13	57.84	51.79	60.22	60.85	70 dBA:	13	14
Medium Trucks	76.31	-20.27	0.75	-1.20	55.59	36.38	28.60	37.81	43.96	44.00	65 dBA:	27	30
Heavy Trucks	81.16 -18.05 0.75 -1.2				62.66	45.67	37.89	47.09	53.25	53.28	60 dBA:	59	64
				Total:	65.59	59.35	57.89	53.18	61.10	61.62	55 dBA:	127	138

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center Site Conditions: Soft

		Vehicle M	ix 1 (Local)			/ehicle Mix	2 (Arteria	I)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 4590 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 60 FEET	FROM CEI	NTERLINE	(E	quiv. Lane D	ist: 59.46	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Ad				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	59.44 -2.78 -1.23 -1.2				52.10	50.79	44.78	53.20	53.83	70 dBA:	5	5
Medium Trucks	71.09					27.39	33.41	15.11	28.26	31.01	65 dBA:	10	11
Heavy Trucks				-1.20	52.33	26.98	23.58	28.23	34.43	34.53	60 dBA:	21	24
				Total:	57.07	52.13	50.88	44.88	53.27	53.90	55 dBA:	46	51

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 5300 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAN	IETERS A	T 45 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Levels	5		Noise Con	tour (in f	feet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44 -2.16 0.69 -1.20				56.77	54.65	53.34	47.32	55.74	56.37	70 dBA:	5	6
Medium Trucks					51.18	29.93	35.95	17.66	30.80	33.56	65 dBA:	11	12
Heavy Trucks	78.74	-23.35	0.69	-1.20	54.88	29.53	26.13	30.78	36.98	37.07	60 dBA:	24	26
				Total:	59.61	54.68	53.42	47.42	55.82	56.44	55 dBA:	51	56

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 12183 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

	NO	ISE PARAN	IETERS A	T 55 FEET	FROM CE	NTERLINE	E (E	quiv. Lane D	ist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	Γraffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	-1.34	-0.04	-1.20	66.77	64.39	63.10	57.05	65.48	66.11	70 dBA:	31	33
Medium Trucks	77.62	-16.21	-0.04	-1.20	60.18	40.97	33.19	42.40	48.55	48.58	65 dBA:	66	72
Heavy Trucks	82.14	-13.99	-0.04	-1.20	66.92	49.93	42.14	51.35	57.51	57.54	60 dBA:	142	155
				Total:	70.30	64.57	63.14	58.20	66.20	66.74	55 dBA:	307	334

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 12764 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 -1.14-1.34-1.20 65.67 63.30 62.00 55.95 64.38 65.01 70 dBA: 31 33 Medium Trucks 77.62 -16.01 -1.34-1.2059.08 39.87 32.09 41.30 47.45 47.49 65 dBA: 66 72 **Heavy Trucks** 82.14 -13.79-1.34 -1.20 65.82 48.83 41.05 50.26 56.41 56.44 60 dBA: 142 155 69.20 63.47 62.04 57.10 Total: 65.10 65.64 55 dBA: 306 333

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Average Daily Traffic: 12633 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 -1.18-1.34 -1.2065.62 63.25 61.96 55.91 64.34 64.97 70 dBA: 30 33 Medium Trucks 77.62 59.04 39.83 65 dBA: 66 71 -16.05-1.34-1.20 32.05 41.25 47.41 47.44 60 dBA: **Heavy Trucks** 82.14 -13.83-1.34-1.20 65.77 48.78 41.00 50.21 56.36 56.40 141 154 Total: 69.15 63.42 62.00 57.06 65.05 **65.60** 55 dBA: 304 331

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Average Daily Traffic: 11201 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL Ldn CNEL Automobiles 69.34 -1.71-2.39 -1.2064.04 61.67 60.38 54.33 62.76 63.39 70 dBA: 28 30 Medium Trucks 77.62 -2.39-1.20 57.46 38.25 39.67 45.83 45.86 65 dBA: 59 65 -16.5730.47 **Heavy Trucks** 82.14 -14.36-2.39 -1.2064.19 47.20 39.42 48.63 54.78 54.82 60 dBA: 128 139

Total: **67.57 61.84 60.42 55.48 63.47 64.02** 55 dBA: **275 299**

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 3830 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.42 ft) Centerline Distance to

	NO	ISE PARAM	METERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D)ist: 54.42 f	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.03	-0.65	-1.20	58.23	56.10	54.79	48.78	57.20	57.83	70 dBA:	8	9
Medium Trucks	74.83	-22.27	-0.65	-1.20	50.71	29.46	35.48	17.19	30.33	33.08	65 dBA:	17	18
Heavy Trucks	80.05	-26.22	-0.65	-1.20	51.97	26.62	23.22	27.87	34.07	34.16	60 dBA:	36	40
•				Total:	59.73	56.12	54.85	48.82	57.23	57.86	55 dBA:	77	85

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

64.28 55 dBA:

229

210

Road Name: Larch Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 2780 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 65.11 -6.42-2.25 -1.20 55.24 53.12 51.80 45.79 54.21 54.84 70 dBA: 6 7 Medium Trucks 74.83 -23.66 -2.25 -1.20 47.72 26.47 32.49 14.20 27.34 30.09 65 dBA: 13 15 **Heavy Trucks** 80.05 -27.61-2.25-1.20 48.98 23.63 20.23 24.88 31.08 31.17 60 dBA: 29 32 56.74 Total: 53.13 51.86 45.83 54.24 54.87 55 dBA: 62 69

Road Name: Slover Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 5231 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 55 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 49.49 ft) **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. CNEL Finite Adi Leg Peak Leq Day Leq Eve. Leq Night Ldn **CNEL** Vehicle Type Dist Adj. Ldn Automobiles -1.20 62.04 60.75 63.12 63.75 70 dBA: 21 23 71.12 -5.47-0.04 64.41 54.69 65 dBA: 45 Medium Trucks 78.79 -20.34-0.04 -1.20 57.22 38.01 30.23 39.44 45.59 45.63 49 Heavy Trucks 83.02 -18.12 -0.04 -1.20 63.66 46.67 38.89 48.10 54.26 54.29 60 dBA: 97 106

62.18

60.78

55.66

63.72

Road Name: Slover Avenue Segment: East of Cedar Avenue

Total:

67.49

Vehicle Type REMEL Traffic Adj. Dist Adj. Finite Adj Leq Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 71.12 -5.32 -1.34 -1.20 63.27 60.90 59.60 53.55 61.98 62.61 70 dBA: 21 23 65 dBA: Medium Trucks 78.79 -20.18 -1.34-1.2056.08 36.87 29.09 38.29 44.45 44.48 45 49 83.02 -17.96 -1.34 -1.20 62.52 45.53 37.75 53.15 60 dBA: 97 105 **Heavy Trucks** 46.96 53.11 66.35 61.04 59.64 54.51 62.58 63.14 55 dBA: 227 Total: 208

Road Name: Santa Ana Avenue Segment: West of Linden Avenue

Average Daily Traffic: 3461 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NO	ISE PARAN	IETERS A	T 70 FEET	FROM CE	NTERLINE	E (E	quiv. Lane Di	ist: 66.78	ft)	Centerline	Distance	e to
		Noise Ad	iustments			Unn	nitigated l	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	s 67.36 -6.30 -1.99 -1.20					55.50	54.21	48.16	56.59	57.22	70 dBA:	10	11
Medium Trucks					51.96	32.75	24.97	34.18	40.33	40.37	65 dBA:	22	24
Heavy Trucks	81.16	-18.94	-1.99	-1.20	59.03	42.04	34.26	43.46	49.62	49.65	60 dBA:	47	51
'				Total:	61.96	55.72	54.26	49.55	57.47	58.00	55 dBA:	102	111

Scenario: EXISTING WITH PROJECT CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 5042 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOIS	SE PARAM	IETERS A	T 80 FEET	FROM CEI	NTERLINI	E (E	quiv. Lane D	ist: 77.19	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Levels	3		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-4.66	-2.93	-1.20	58.56	56.19	54.90	48.85	57.28	57.91	70 dBA:	13	14
Medium Trucks	76.31				52.65	33.44	25.66	34.87	41.02	41.06	65 dBA:	28	30
Heavy Trucks	81.16				59.72	42.73	34.95	44.15	50.31	50.34	60 dBA:	60	65
				Total:	62.65	56.41	54.95	50.24	58.16	58.68	55 dBA:	130	141

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 4193 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOISE PARAMETERS AT 75 FEET			FROM CENTERLINE (Equiv. Lane Dist: 72 ft)						Centerline Distance to			
		Noise Adj	ustments			Noise Contour (in feet)							
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-5.46	-2.48	-1.20	58.22	55.85	54.55	48.50	56.93	57.56	70 dBA:	12	13
Medium Trucks	76.31	-20.33	-2.48	-1.20	52.30	33.10	25.31	34.52	40.68	40.71	65 dBA:	25	27
Heavy Trucks	81.16	-18.11	-2.48	-1.20	59.37	42.38	34.60	43.81	49.96	49.99	60 dBA:	54	58
•				Total:	62.30	56.06	54.60	49.90	57.81	58.34	55 dBA:	115	125

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 1761 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	/IETERS A	T 70 FEET	FROM CE	FROM CENTERLINE (Equiv. Lane Dist: 66.78 ft)						Centerline Distance to		
		Noise Adj	justments			Unr	Noise Contour (in feet)							
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	67.36	-9.23	-1.99	-1.20	54.94	52.57	51.28	45.22	53.65	54.28	70 dBA:	7	7	
Medium Trucks	76.31	-24.10	-1.99	-1.20	49.03	29.82	22.04	31.25	37.40	37.43	65 dBA:	14	15	
Heavy Trucks	81.16	-21.88	-1.99	-1.20	56.09	39.10	31.32	40.53	46.68	46.72	60 dBA:	30	33	
				Total:	59.02	52.78	51.32	46.62	54.53	55.06	55 dBA:	65	71	

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 3551 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOISE PARAMETERS AT 55 FEET				FROM CEI	FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)						Centerline Distance to			
		Noise Adj	ustments			Noise Con	tour (in f	eet)							
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL		
Automobiles	67.36	-6.18	-0.04	-1.20	59.94	57.57	56.27	50.22	58.65	59.28	70 dBA:	11	12		
Medium Trucks	76.31	-21.05	-0.04	-1.20	54.02	34.82	27.04	36.24	42.40	42.43	65 dBA:	24	26		
Heavy Trucks	81.16	-18.83	-0.04	-1.20	61.09	44.10	36.32	45.53	51.68	51.72	60 dBA:	51	55		
				Total:	64.02	57.78	56.32	51.62	59.53	60.06	55 dBA:	110	120		

Project: Bloomington Commercial Center Site Conditions: Soft Scenario: EXISTING WITH PROJECT CONDITIONS

Road Name: Jurupa Avenue Segment: **East of Cedar Avenue**

Average Daily Traffic: 4731 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOIS	SE PARAM	IETERS A	T 50 FEET	FROM CENTERLINE (Equiv. Lane Dist: 43.86 ft)						Centerline Distance to			
		Noise Adj	ustments			Unn		Noise Contour (in feet)						
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	67.36	-4.94	0.75	-1.20	61.97	59.60	58.31	52.25	60.68	61.31	70 dBA:	14	15	
Medium Trucks	76.31	-19.81	0.75	-1.20	56.06	36.85	29.07	38.28	44.43	44.46	65 dBA:	29	32	
Heavy Trucks	81.16	-17.59	0.75	-1.20	63.12	46.13	38.35	47.56	53.71	53.75	60 dBA:	64	69	
				Total:	66.05	59.81	58.35	53.65	61.56	62.09	55 dBA:	137	148	

Scenario: OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS

Project: Bloomington Commercial Center Site Conditions: Soft

		Vehicle M	ix 1 (Local)	1	'	/ehicle Mix	2 (Arteria	I)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 7520 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 60 FEET	FROM CEI	NTERLINE	(E	quiv. Lane D	ist: 59.46	ft)	Centerline	Distanc	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	59.44	-0.64	-1.23	-1.20	56.37	54.25	52.94	46.92	55.34	55.97	70 dBA:	6	7
Medium Trucks	71.09	-17.87	-1.23	-1.20	50.78	29.53	35.55	17.26	30.40	33.15	65 dBA:	14	15
Heavy Trucks	78.74	-21.83	-1.23	-1.20	54.48	29.13	25.73	30.38	36.57	36.67	60 dBA:	30	33
				Total:	59.21	54.28	53.02	47.02	55.41	56.04	55 dBA:	64	70

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 8280 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 45 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline	Distanc	e to
		Noise Adj	ustments			Unn	nitigated	Noise Levels	3		Noise Con	tour (in f	feet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	-0.22	0.69	-1.20	58.71	56.59	55.27	49.26	57.68	58.31	70 dBA:	7	8
Medium Trucks	71.09	-17.46	0.69	-1.20	53.12	31.87	37.89	19.60	32.74	35.49	65 dBA:	15	16
Heavy Trucks	78.74	-21.41	0.69	-1.20	56.82	31.46	28.07	32.71	38.91	39.01	60 dBA:	32	35
				Total:	61.55	56.61	55.36	49.36	57.75	58.38	55 dBA:	69	76

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 23210 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2

Average Daily Tr	raffic: 2321	0 Vehicles	i	Vehicle Sp	eed: 45 MP	Н	Vehicle M	lix: 2		R	oadway Clas	sification	n: Major
	NOIS	SE PARAM	IETERS A	T 55 FEET	FROM CE	NTERLINE	E (E	quiv. Lane Di	st: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated I	Noise Levels	i		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Ac				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	1.46	-0.04	-1.20	69.57	67.19	65.90	59.85	68.28	68.91	70 dBA:	47	51
Medium Trucks	77.62	69.34 1.46 -0.04 -1.2				43.77	35.99	45.19	51.35	51.38	65 dBA:	102	110
Heavy Trucks	82.14	-11.19	-0.04	-1.20	69.71	52.72	44.94	54.15	60.31	60.34	60 dBA:	219	238
<u>'</u>				Total:	73.10	67.37	65.94	61.00	69.00	69.54	55 dBA:	471	513

Scenario: OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 22910 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 1.40 -1.34-1.20 68.21 65.84 64.54 58.49 66.92 67.55 70 dBA: 45 49 Medium Trucks 77.62 -13.47-1.34-1.2061.62 42.41 34.63 43.84 49.99 50.03 65 dBA: 97 106 Heavy Trucks 82.14 -11.25 -1.34 -1.20 68.36 51.37 43.59 52.80 58.95 58.98 60 dBA: 210 228 71.74 66.01 64.58 59.64 Total: 67.64 **68.19** 55 dBA: 452 492

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Average Daily Traffic: 23170 Vehicles Vehicle Mix: 2 Roadway Classification: Major Vehicle Speed: 45 MPH NOISE PARAMETERS AT 65 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 1.45 -1.34 -1.20 68.26 65.89 64.59 58.54 66.97 67.60 70 dBA: 46 50 Medium Trucks 77.62 65 dBA: 98 -13.42 -1.34-1.20 61.67 42.46 34.68 43.89 50.04 50.08 107 59.03 60 dBA: 230 **Heavy Trucks** 82.14 -11.20-1.34-1.20 68.41 51.42 43.64 52.84 59.00 212 Total: 71.79 66.06 64.63 59.69 67.69 68.23 55 dBA: 456 496

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Average Daily Traffic: 14300 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 71.06 ft) **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Ldn Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL CNEL Automobiles 69.34 -0.65-2.39 -1.2065.11 62.73 61.44 55.39 63.82 64.45 70 dBA: 32 35 Medium Trucks 77.62 -2.39-1.2058.52 39.31 46.89 46.92 65 dBA: 70 76 -15.5131.53 40.73 **Heavy Trucks** 82.14 -13.29-2.39 -1.2065.25 48.26 40.48 49.69 55.85 55.88 60 dBA: 150 164

62.91

61.48

56.54

64.54

65.08

55 dBA:

324

352

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

Total:

Average Daily Traffic: 3790 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

68.64

· · · · · · · · · · · · · · · · · · ·											in any characters		
_	NOI	SE PARAM	IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 54.42	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-5.07	-0.65	-1.20	58.18	56.06	54.75	48.73	57.15	57.78	70 dBA:	8	8
Medium Trucks	74.83	-22.31	-0.65	-1.20	50.66	29.41	35.43	17.14	30.28	33.04	65 dBA:	17	18
Heavy Trucks	80.05	-26.27	-0.65	-1.20	51.92	26.57	23.17	27.82	34.02	34.12	60 dBA:	36	39
				Total:	59.69	56.07	54.80	48.77	57.18	57.81	55 dBA:	77	85

Scenario: OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

55 dBA:

61

67

54.76

54.13

Road Name: Larch Avenue Segment: South of Santa Ana Avenue

Roadway Classification: Collector Average Daily Traffic: 2710 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 65.11 -6.53-2.25-1.20 55.13 53.00 51.69 45.68 54.10 54.73 70 dBA: 6 7 Medium Trucks 74.83 -23.77 -2.25 -1.20 47.61 26.36 32.38 14.09 27.23 29.98 65 dBA: 13 15 **Heavy Trucks** 80.05 -27.72 -2.25-1.20 48.87 23.52 20.12 24.77 30.97 31.06 60 dBA: 28 31

Road Name: Slover Avenue Segment: West of Cedar Avenue

Total:

Average Daily Traffic: 6720 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)

Centerline Distance to

56.63

53.02

51.75

45.72

	NOI	SE PARAN	ILLERS A	1 55 FEET	FROM CEI	NTERLINI	= (E	quiv. Lane L	Dist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	justments			Unr	nitigated	Noise Level	s		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	-4.38	-0.04	-1.20	65.50	63.13	61.83	55.78	64.21	64.84	70 dBA:	25	27
Medium Trucks	78.79	-19.25	-0.04	-1.20	58.31	39.10	31.32	40.53	46.68	46.71	65 dBA:	53	58
Heavy Trucks	83.02	-17.03	-0.04	-1.20	64.75	47.76	39.98	49.19	55.34	55.38	60 dBA:	115	125
				Total:	68.58	63.27	61.87	56.75	64.81	65.37	55 dBA:	248	270

Road Name: Slover Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 7140 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to

	NOI	SE PARAN	METERS A	T 65 FEET	FROM CEI	NTERLINE	≣ (E	quiv. Lane D	ist: 60.41	ft)	Centerline	Distance	e to
		Noise Adj	justments			Unn	nitigated l	Noise Levels	3		Noise Conf	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	-4.12	-1.34	-1.20	64.46	62.09	60.80	54.74	63.18	63.81	70 dBA:	25	27
Medium Trucks	78.79	-18.99	-1.34	-1.20	57.27	38.06	30.28	39.49	45.64	45.68	65 dBA:	54	59
Heavy Trucks	83.02	-16.77	-1.34	-1.20	63.72	46.73	38.95	48.15	54.31	54.34	60 dBA:	116	126
				Total:	67.55	62.23	60.83	55.71	63.77	64.33	55 dBA:	250	272

Road Name: Santa Ana Avenue Segment: West of Linden Avenue

Average Daily Traffic: 2880 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NO	ISE PARAM	METERS A	T 70 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane [Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	s		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-7.09	-1.99	-1.20	57.08	54.71	53.41	47.36	55.79	56.42	70 dBA:	9	10
Medium Trucks	76.31	-21.96	-1.99	-1.20	51.16	31.96	24.17	33.38	39.54	39.57	65 dBA:	19	21
Heavy Trucks	81.16	-19.74	-1.99	-1.20	58.23	41.24	33.46	42.67	48.82	48.85	60 dBA:	42	46
•				Total:	61.16	54.92	53.46	48.76	56.67	57.20	55 dBA:	90	98

Scenario: OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 4160 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOIS	SE PARAM	IETERS A	T 80 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 77.19	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-5.50	-2.93	-1.20	57.73	55.36	54.06	48.01	56.44	57.07	70 dBA:	11	12
Medium Trucks	76.31	-20.36	-2.93	-1.20	51.82	32.61	24.83	34.03	40.19	40.22	65 dBA:	25	27
Heavy Trucks	81.16	-18.15	-2.93	-1.20	58.88	41.89	34.11	43.32	49.47	49.51	60 dBA:	53	58
				Total:	61.81	55.57	54.11	49.41	57.32	57.85	55 dBA:	114	124

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 3560 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NO	DISE PARA	METERS	AT 75 FEE	T FROM C	ENTERLIN	1E (Equiv. Lane	Dist: 72 ft)		Centerline	Distance	e to
		Noise Adj	iustments			Unn	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMEL1	Γraffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-6.17	-2.48	-1.20	57.51	55.14	53.84	47.79	56.22	56.85	70 dBA:	10	11
Medium Trucks	76.31	-21.04	-2.48	-1.20	51.59	32.39	24.60	33.81	39.97	40.00	65 dBA:	22	24
Heavy Trucks	81.16	-18.82	-2.48	-1.20	58.66	41.67	33.89	43.10	49.25	49.28	60 dBA:	48	52
				Total:	61.59	55.35	53.89	49.19	57,10	57.63	55 dBA:	104	112

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 1270 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	ISE PARAN	/IETERS A	T 70 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Ad	justments			Unr	nitigated	Noise Level	s		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj 67.36 -10.65 -1.99 -1.20				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-10.65	-1.99	-1.20	53.52	51.15	49.86	43.80	52.23	52.86	70 dBA:	5	6
Medium Trucks	76.31	-25.52	-1.99	-1.20	47.61	28.40	20.62	29.83	35.98	36.01	65 dBA:	11	12
Heavy Trucks	81.16	-23.30	-1.99	-1.20	54.67	37.68	29.90	39.11	45.26	45.30	60 dBA:	24	26
				Total:	57.60	51.36	49.91	45.20	53.11	53.64	55 dBA:	52	57

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 2800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

•	NO	ISE PARAN	/IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane Di	st: 49.49	ft)	Centerline	Distanc	e to
		Noise Adj	justments			Unr	nitigated	Noise Levels	3		Noise Cont	tour (in f	eet)
Vehicle Type	REMEL 1	Γraffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-7.22	-0.04	-1.20	58.91	56.54	55.24	49.19	57.62	58.25	70 dBA:	9	10
Medium Trucks	76.31	-22.08	-0.04	-1.20	52.99	33.79	26.00	35.21	41.37	41.40	65 dBA:	20	22
Heavy Trucks	81.16	-19.86	-0.04	-1.20	60.06	43.07	35.29	44.50	50.65	50.68	60 dBA:	44	47
				Total:	62.99	56.75	55.29	50.58	58.50	59.03	55 dBA:	94	102

Project: Bloomington Commercial Center Site Conditions: Soft Scenario: OPENING YEAR 2021 WITHOUT PROJECT CONDITIONS

Segment: Road Name: Jurupa Avenue **East of Cedar Avenue**

Vehicle Speed: 40 MPH Average Daily Traffic: 4390 Vehicles Vehicle Mix: 2 Roadway Classification: Major

•	NOI	SE PARAM	IETERS A	T 50 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 43.86	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-5.26	0.75	-1.20	61.65	59.27	57.98	51.93	60.36	60.99	70 dBA:	13	14
Medium Trucks	76.31	-20.13	0.75	-1.20	55.73	36.52	28.74	37.95	44.10	44.14	65 dBA:	28	30
Heavy Trucks	81.16	-17.91	0.75	-1.20	62.80	45.81	38.03	47.23	53.39	53.42	60 dBA:	60	66
				Total:	65.73	59.49	58.03	53.32	61.24	61.77	55 dBA:	130	141

Scenario: OPENING YEAR 2021 WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center Site Conditions: Soft

		Vehicle M	ix 1 (Local))	'	/ehicle Mix	2 (Arteria	l)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 7680 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 60 FEET	FROM CEI	NTERLINE	(E	quiv. Lane Di	st: 59.46	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Levels			Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	-0.54	-1.23	-1.20	56.46	54.34	53.03	47.01	55.43	56.06	70 dBA:	6	7
Medium Trucks	71.09	-17.78	-1.23	-1.20	50.87	29.62	35.64	17.35	30.49	33.25	65 dBA:	14	15
Heavy Trucks	78.74	-21.74	-1.23	-1.20	54.57	29.22	25.82	30.47	36.67	36.76	60 dBA:	30	33
				Total:	59.30	54.37	53.11	47.11	55.51	56.13	55 dBA:	65	71

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 8440 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAN	IETERS A	T 45 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline	Distance	e to
		Noise Adj	iustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	-0.13	0.69	-1.20	58.79	56.67	55.36	49.34	57.76	58.39	70 dBA:	7	8
Medium Trucks	71.09	-17.37	0.69	-1.20	53.20	31.95	37.97	19.68	32.82	35.58	65 dBA:	15	17
Heavy Trucks	78.74	-21.33	0.69	-1.20	56.90	31.55	28.15	32.80	39.00	39.09	60 dBA:	32	36
				Total:	61.63	56.70	55.44	49.44	57.84	58.46	55 dBA:	70	77

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 25133 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

<u> </u>	NOI	SE PARAM	METERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	1.80	-0.04	-1.20	69.91	67.54	66.25	60.19	68.62	69.25	70 dBA:	50	54
Medium Trucks	77.62	-13.06	-0.04	-1.20	63.32	44.11	36.33	45.54	51.69	51.73	65 dBA:	107	116
Heavy Trucks	82.14	-10.85	-0.04	-1.20	70.06	53.07	45.29	54.50	60.65	60.69	60 dBA:	231	251
				Total:	73.44	67.71	66.28	61.34	69.34	69.89	55 dBA:	497	540

Scenario: OPENING YEAR 2021 WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 25474 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 1.86 -1.34-1.20 68.67 66.30 65.01 58.95 67.38 68.01 70 dBA: 49 53 Medium Trucks 77.62 -13.01 -1.34 -1.2062.08 42.87 35.09 44.30 50.45 50.49 65 dBA: 105 114 Heavy Trucks 82.14 -10.79-1.34 -1.20 68.82 51.83 44.05 53.26 59.41 59.44 60 dBA: 225 245 72,20 66.47 65.04 528 Total: 60.10 68.10 **68.65** 55 dBA: 486

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Average Daily Traffic: 24773 Vehicles Vehicle Mix: 2 Roadway Classification: Major Vehicle Speed: 45 MPH NOISE PARAMETERS AT 65 FEET FROM CENTERLINE Centerline Distance to (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 1.74 -1.34 -1.2068.55 66.18 64.88 58.83 67.26 67.89 70 dBA: 48 52 Medium Trucks 77.62 34.97 65 dBA: -13.13-1.34-1.20 61.96 42.75 44.18 50.33 50.37 103 112 59.32 60 dBA: 241 **Heavy Trucks** 82.14 -10.91-1.34-1.20 68.70 51.71 43.93 53.14 59.29 221 Total: 72.08 66.35 64.92 59.98 67.98 **68.52** 55 dBA: 477 518

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Vehicle Speed: 45 MPH Average Daily Traffic: 15101 Vehicles Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL Ldn CNEL Automobiles 69.34 -0.41-2.39 -1.2065.34 62.97 61.68 55.62 64.05 64.68 70 dBA: 34 37 Medium Trucks 77.62 -2.39 -1.20 58.75 39.54 47.16 65 dBA: 72 79 -15.2831.76 40.97 47.13

> -1.20 65.49 48.50 40.72 49.93 56.08 56.12 60 dBA: 156 170 Total: 68.87 63.14 61.72 56.77 **65.32** 55 dBA: 336 365 64.77

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

-2.39

Heavy Trucks

82.14

-13.06

Average Daily Traffic: 3950 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 54.42	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated I	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-4.89	-0.65	-1.20	58.36	56.24	54.93	48.91	57.33	57.96	70 dBA:	8	9
Medium Trucks	74.83	-22.13	-0.65	-1.20	50.84	29.59	35.61	17.32	30.46	33.22	65 dBA:	17	19
Heavy Trucks	80.05	-26.09	-0.65	-1.20	52.10	26.75	23.35	28.00	34.20	34.30	60 dBA:	37	40
				Total:	59.87	56.25	54.98	48.95	57.36	57.99	55 dBA:	79	87

Scenario: OPENING YEAR 2021 WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Larch Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 2870 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Unmitigated Noise Levels Noise Adjustments** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 65.11 -6.28-2.25-1.20 55.38 53.25 51.94 45.93 54.35 54.98 70 dBA: 6 7 Medium Trucks 74.83 -23.52 -2.25 -1.20 47.86 26.61 32.63 14.34 27.48 30.23 65 dBA: 14 15 Heavy Trucks 80.05 -27.47-2.25-1.20 49.12 23.77 20.37 25.02 31.22 31.31 60 dBA: 30 33 53.27 Total: 56.88 51.99 45.97 54.38 55.01 55 dBA: 64 70

Road Name: Slover Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 7201 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)

Noise Adjustments Unmitigated Noise Levels Noise Contour (in feet)

							- \-	900		,	• • • • • • • • • • • • • • • • • • • •		
		Noise Ad	justments			Unr	nitigated	Noise Level	s		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	-4.08	-0.04	-1.20	65.80	63.43	62.14	56.08	64.51	65.14	70 dBA:	26	28
Medium Trucks	78.79	-18.95	-0.04	-1.20	58.61	39.40	31.62	40.83	46.98	47.01	65 dBA:	56	61
Heavy Trucks	83.02	-16.73	-0.04	-1.20	65.05	48.06	40.28	49.49	55.64	55.68	60 dBA:	121	131
•				Total:	68.88	63.57	62.17	57.05	65.11	65.67	55 dBA:	260	283

Road Name: Slover Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 7621 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft)

Noise Adjustments Limiting and Noise Levels Noise Contour (in feet)

	140		11 I LIVO / V	1 00 1 LL1	I INOM OL	4 1 L 1 1 L 1 1 1 1	- (-	quiv. Lanc b	713t. 00. - 1	11)	Ochter inte	Distance	, 10
		Noise Adj	justments			Unr	nitigated l	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	-3.84	-1.34	-1.20	64.75	62.38	61.08	55.03	63.46	64.09	70 dBA:	26	28
Medium Trucks	78.79	-18.70	-1.34	-1.20	57.55	38.35	30.56	39.77	45.93	45.96	65 dBA:	56	61
Heavy Trucks	83.02	-16.49	-1.34	-1.20	64.00	47.01	39.23	48.44	54.59	54.62	60 dBA:	121	132
•				Total:	67.83	62.52	61.11	55.99	64.06	64.62	55 dBA:	261	284

Road Name: Santa Ana Avenue Segment: West of Linden Avenue

Average Daily Traffic: 3681 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	IETERS A	T 70 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	justments			Unn	nitigated	Noise Level	s		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-6.03	-1.99	-1.20	58.14	55.77	54.48	48.42	56.86	57.49	70 dBA:	11	12
Medium Trucks	76.31	-20.89	-1.99	-1.20	52.23	33.02	25.24	34.45	40.60	40.64	65 dBA:	23	25
Heavy Trucks	81.16	-18.68	-1.99	-1.20	59.30	42.31	34.52	43.73	49.89	49.92	60 dBA:	49	54
				Total:	62.23	55.98	54.53	49.82	57.74	58.26	55 dBA:	107	116

Scenario: OPENING YEAR 2021 WITH PROJECT CONDITIONS

Project: Bloomington Commercial Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 5282 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAM	IETERS A	T 80 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 77.19	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Levels	5		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	67.36 -4.46 -2.93 -1.20				56.39	55.10	49.05	57.48	58.11	70 dBA:	13	15
Medium Trucks	76.31	-19.33	-2.93	-1.20	52.85	33.64	25.86	35.07	41.23	41.26	65 dBA:	29	31
Heavy Trucks	81.16	-17.11	-2.93	-1.20	59.92	42.93	35.15	44.36	50.51	50.54	60 dBA:	62	67
				Total:	62.85	56.61	55.15	50.44	58.36	58.89	55 dBA:	134	145

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 5163 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	N	OISE PARA	METERS	AT 75 FEE	T FROM C	ENTERLIN	VE (Equiv. Lane	Dist: 72 ft))	Centerline	Distance	e to
		Noise Ad	justments			Unn	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMEL 1	Гraffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-4.56	-2.48	-1.20	59.12	56.75	55.46	49.40	57.83	58.46	70 dBA:	13	14
Medium Trucks	76.31	-19.43	-2.48	-1.20	53.21	34.00	26.22	35.43	41.58	41.61	65 dBA:	29	31
Heavy Trucks	81.16	-17.21	-2.48	-1.20	60.27	43.28	35.50	44.71	50.86	50.90	60 dBA:	62	67
				Total:	63.20	56.96	55.51	50.80	58.71	59.24	55 dBA:	133	144

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 1911 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	IETERS A	T 70 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Con	tour (in f	feet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-8.88	-1.99	-1.20	55.30	52.92	51.63	45.58	54.01	54.64	70 dBA:	7	7
Medium Trucks	76.31	-23.74	-1.99	-1.20	49.38	30.17	22.39	31.60	37.76	37.79	65 dBA:	15	16
Heavy Trucks	81.16	-21.52	-1.99	-1.20	56.45	39.46	31.68	40.88	47.04	47.07	60 dBA:	32	35
				Total:	59.38	53.14	51.68	46.97	54.89	55.42	55 dBA:	69	75

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 3281 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOI	SE PARAN	IETERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane Di	st: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj 67.36 -6.53 -0.04 -1.20				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-6.53	-0.04	-1.20	59.60	57.22	55.93	49.88	58.31	58.94	70 dBA:	10	11
Medium Trucks	76.31	-21.40	-0.04	-1.20	53.68	34.47	26.69	35.90	42.05	42.09	65 dBA:	23	24
Heavy Trucks	81.16	-19.18	-0.04	-1.20	60.75	43.76	35.98	45.18	51.34	51.37	60 dBA:	49	53
				Total:	63.68	57.44	55.98	51.27	59.19	59.71	55 dBA:	105	113

Project: Bloomington Commercial Center Site Conditions: Soft Scenario: OPENING YEAR 2021 WITH PROJECT CONDITIONS

Road Name: Jurupa Avenue Segment: **East of Cedar Avenue**

Vehicle Speed: 40 MPH Average Daily Traffic: 4871 Vehicles Vehicle Mix: 2 Roadway Classification: Major

	NOI	SE PARAM	IETERS A	T 50 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 43.86	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Level	S		Noise Con	tour (in f	feet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-4.81	0.75	-1.20	62.10	59.73	58.43	52.38	60.81	61.44	70 dBA:	14	15
Medium Trucks	76.31	-19.68	0.75	-1.20	56.18	36.98	29.19	38.40	44.56	44.59	65 dBA:	30	33
Heavy Trucks	81.16	-17.46	0.75	-1.20	63.25	46.26	38.48	47.69	53.84	53.87	60 dBA:	65	70
				Total:	66.18	59.94	58.48	53.77	61.69	62.22	55 dBA:	140	151

Scenario: HORIZON YEAR 2040 WITHOUT PROJECT CONDITIONS

Project Name: Commerce Retail Center Site Conditions: Soft

		Vehicle M	ix 1 (Local))	'	/ehicle Mix	2 (Arteria	I)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 10320 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	METERS A	T 60 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 59.46	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Levels	5		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	59.44	0.74	-1.23	-1.20	57.75	55.62	54.31	48.30	56.72	57.34	70 dBA:	8	9
Medium Trucks	71.09	-16.50	-1.23	-1.20	52.15	30.91	36.93	18.63	31.78	34.53	65 dBA:	17	19
Heavy Trucks	78.74	-20.46	-1.23	-1.20	55.85	44.60	27.10	31.75	43.03	43.06	60 dBA:	37	41
				Total:	60.58	55.97	54.40	48.40	56.91	57.53	55 dBA:	80	88

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 11340 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAN	IETERS A	T 45 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline	Distance	e to
		Noise Ad	iustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	MEL Traffic Adj. Dist Adj. Finite Adj 9.44 1.15 0.69 -1.20				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	1.15	0.69	-1.20	60.08	57.95	56.64	50.63	59.05	59.67	70 dBA:	9	9
Medium Trucks	71.09	-16.09	0.69	-1.20	54.48	33.23	39.26	20.96	34.11	36.86	65 dBA:	19	20
Heavy Trucks	78.74	-20.05	0.69	-1.20	58.18	46.93	29.43	34.08	45.36	45.39	60 dBA:	40	44
				Total:	62.91	58.30	56.73	50.73	59.24	59.85	55 dBA:	86	95

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 35900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Fquiv Lane Dist: 49 49 ft)

	NOI	SE PARAM	IETERS A	1 55 FEET	FROM CEI	NIEKLINE	: (E	quiv. Lane L	Dist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	, ,				Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	3.35	-0.04	-1.20	71.46	69.09	67.79	61.74	70.17	70.80	70 dBA:	63	69
Medium Trucks	77.62	-11.52	-0.04	-1.20	64.87	45.66	37.88	47.09	53.24	53.28	65 dBA:	136	148
Heavy Trucks	82.14	-9.30	-0.04	-1.20	71.61	54.62	46.84	56.05	62.20	62.23	60 dBA:	293	318
				Total:	74.99	69.26	67.83	62.89	70.89	71.43	55 dBA:	630	686

Scenario: HORIZON YEAR 2040 WITHOUT PROJECT CONDITIONS

Project Name: Commerce Retail Center
Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 33310 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 3.03 -1.34-1.20 69.84 67.46 66.17 60.12 68.55 69.18 70 dBA: 58 63 Medium Trucks 77.62 -11.84 -1.34-1.2063.25 44.04 36.26 45.47 51.62 51.65 65 dBA: 125 136 Heavy Trucks 82.14 -9.62 -1.34 -1.20 69.98 52.99 45.21 54.42 60.58 60.61 60 dBA: 270 293 73.37 67.64 66.21 Total: 61.27 69.27 **69.81** 55 dBA: 581 631

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Average Daily Traffic: 33120 Vehicles Vehicle Mix: 2 Roadway Classification: Major Vehicle Speed: 45 MPH NOISE PARAMETERS AT 65 FEET FROM CENTERLINE **Centerline Distance to** (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels Noise Adjustments** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Lea Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 3.00 -1.34 -1.20 69.81 67.44 66.15 60.09 68.52 69.15 70 dBA: 58 63 Medium Trucks 77.62 63.22 44.01 65 dBA: -11.87-1.34-1.20 36.23 45.44 51.59 51.63 125 136 60 dBA: 269 292 **Heavy Trucks** 82.14 -9.65-1.34-1.20 69.96 52.97 45.19 54.40 60.55 60.58 Total: 73.34 67.61 66.18 61.24 69.24 **69.79** 55 dBA: 578 629

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Average Daily Traffic: 35170 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL Ldn CNEL Automobiles 69.34 3.26 -2.39 -1.20 69.01 66.64 65.35 59.29 67.73 68.36 70 dBA: 59 64 Medium Trucks 77.62 -2.39-1.20 62.42 43.22 50.83 65 dBA: -11.6035.44 44.64 50.80 127 138

> -1.20 69.16 52.17 44.39 53.60 59.75 59.79 60 dBA: 274 298 65.39 Total: 72.54 66.81 60.45 68.44 68.99 55 dBA: 591 642

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

Heavy Trucks

82.14

-9.39

-2.39

Average Daily Traffic: 5270 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NO	ISE PARAN	IETERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 54.42	ft)	Centerline	Distanc	e to
		Noise Adj	iustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	MEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.64	-0.65	-1.20	59.61	57.49	56.18	50.17	58.59	59.21	70 dBA:	10	11
Medium Trucks	74.83	-20.88	-0.65	-1.20	52.09	30.84	36.86	18.57	31.72	34.47	65 dBA:	21	23
Heavy Trucks	80.05	-24.84	-0.65	-1.20	53.36	42.11	24.61	29.25	40.54	40.57	60 dBA:	45	49
•				Total:	61.12	57.62	56.23	50.20	58.66	59.29	55 dBA:	96	106

Scenario: HORIZON YEAR 2040 WITHOUT PROJECT CONDITIONS

Project Name: Commerce Retail Center
Site Conditions: Soft

Road Name: Larch Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 4140 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 65.11 -4.69-2.25 -1.20 56.97 54.84 53.53 47.52 55.94 56.57 70 dBA: 8 9 Medium Trucks 74.83 -21.93 -2.25 -1.20 49.45 28.20 34.22 15.93 29.07 31.82 65 dBA: 18 19 **Heavy Trucks** 80.05 -25.88-2.25-1.20 50.71 39.46 21.96 26.61 37.89 37.92 60 dBA: 38 42 58.47 54.98 53.59 Total: 47.56 56.02 56.64 55 dBA: 82 90

Road Name: Slover Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 21430 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft) **Centerline Distance to Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leq Peak CNEL Finite Adi Leq Day Leq Eve. Leq Night Ldn **CNEL** Vehicle Type Dist Adj. Ldn Automobiles 0.65 -1.20 70.54 68.16 66.87 69.25 69.88 70 dBA: 54 59 71.12 -0.04 60.82 Medium Trucks 78.79 -14.21 -0.04-1.20 63.34 44.14 36.35 45.56 51.72 51.75 65 dBA: 116 126 Heavy Trucks 83.02 -12.00-0.04 -1.20 69.79 52.80 45.02 54.23 60.38 60.41 60 dBA: 249 272

68.31

66.90

64.71

61.78

59.59

69.85

67.65

68.21

55 dBA:

70.40 55 dBA:

537

453

585

494

73.62

71.42

Road Name: Slover Avenue Segment: East of Cedar Avenue

Total:

Average Daily Traffic: 17440 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to Noise Contour (in feet) **Noise Adjustments Unmitigated Noise Levels** Leq Peak Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 71.12 -0.24-1.34 -1.20 68.34 65.97 64.68 58.62 67.05 67.69 70 dBA: 45 49 Medium Trucks 78.79 -15.11-1.34-1.2061.15 41.94 34.16 43.37 49.52 49.56 65 dBA: 98 106 83.02 -12.89-1.34 -1.2067.60 50.61 42.82 52.03 58.22 60 dBA: 210 229 **Heavy Trucks** 58.19

66.11

Road Name: Santa Ana Avenue Segment: West of Linden Avenue

Total:

Average Daily Traffic: 6610 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 66.78 ft) **Centerline Distance to Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adi. Leg Peak Leg Day Leg Eve. Leg Night CNEL CNEL Vehicle Type Dist Adi. Finite Adi Ldn Ldn -1.99 70 dBA: 16 Automobiles 67.36 -3.49-1.20 60.69 58.31 57.02 50.97 59.40 60.03 17 65 dBA: 37 Medium Trucks 76.31 -18.35-1.99-1.20 54.77 35.56 27.78 36.99 43.14 43.18 34 79 Heavy Trucks 81.16 -16.13 -1.99 -1.20 61.84 44.85 37.07 46.27 52.43 52.46 60 dBA: 73 58.53 57.07 52.36 60.81 Total: 64.77 60.28 55 dBA: 157 171

Scenario: HORIZON YEAR 2040 WITHOUT PROJECT CONDITIONS Project Name: Commerce Retail Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 8640 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Fquity Lane Dist: 77.19 ft)

Centerline Distance to

	NOI	ISE PARAM	METERS A	T 80 FEET	FROM CEI	NTERLINI	E (E	quiv. Lane D	ist: 77.19	ft)	Centerline	Distanc	e to
		Noise Adj	ustments			Unr	nitigated l	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Ac				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-2.32	-2.93	-1.20	60.90	58.53	57.24	51.18	59.62	60.25	70 dBA:	19	20
Medium Trucks	76.31	-17.19	-2.93	-1.20	54.99	35.78	28.00	37.21	43.36	43.40	65 dBA:	40	43
Heavy Trucks	81.16	-14.97	-2.93	-1.20	62.06	45.07	37.28	46.49	52.65	52.68	60 dBA:	86	94
				Total:	64.99	58.75	57.29	52.58	60.50	61.02	55 dBA:	186	202

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 10440 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NC	DISE PARA	METERS	AT 75 FEE	T FROM C	ENTERLII	VE (Equiv. Lane	Dist: 72 ft))	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	REMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-1.50	-2.48	-1.20	62.18	59.81	58.51	52.46	60.89	61.52	70 dBA:	21	23
Medium Trucks	76.31	-16.37	-2.48	-1.20	56.27	37.06	29.28	38.48	44.64	44.67	65 dBA:	46	50
Heavy Trucks	81.16	-14.15	-2.48	-1.20	63.33	46.34	38.56	47.77	53.92	53.96	60 dBA:	98	107
				Total:	66.26	60.02	58.56	53.86	61.77	62.30	55 dBA:	212	230

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 8440 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOI	SE PARAN	IETERS A	T 70 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Level	s		Noise Cont	tour (in f	eet)
Vehicle Type	REMELT	MEL Traffic Adj. Dist Adj. Finite Adj 7.36 -2.42 -1.99 -1.20				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-2.42	-1.99	-1.20	61.75	59.38	58.08	52.03	60.46	61.09	70 dBA:	19	20
Medium Trucks	76.31	-17.29	-1.99	-1.20	55.83	36.63	28.84	38.05	44.21	44.24	65 dBA:	40	43
Heavy Trucks	81.16	-15.07	-1.99	-1.20	62.90	45.91	38.13	47.34	53.49	53.52	60 dBA:	86	93
				Total:	65.83	59.59	58.13	53.42	61.34	61.87	55 dBA:	185	201

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 11590 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

•	NOI	SE PARAN	IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane Di	st: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	iustments			Unr	nitigated	Noise Levels	i		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	, , ,				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-1.05	-0.04	-1.20	65.08	62.70	61.41	55.36	63.79	64.42	70 dBA:	24	26
Medium Trucks	76.31	-15.91	-0.04	-1.20	59.16	39.95	32.17	41.38	47.54	47.57	65 dBA:	52	57
Heavy Trucks	81.16	-13.70	-0.04	-1.20	66.23	49.24	41.46	50.66	56.82	56.85	60 dBA:	113	122
				Total:	69.16	62.92	61.46	56.75	64.67	65.20	55 dBA:	243	263

Project Name: Commerce Retail Center Site Conditions: Soft Scenario: HORIZON YEAR 2040 WITHOUT PROJECT CONDITIONS

Road Name: Jurupa Avenue Segment: **East of Cedar Avenue**

Average Daily Traffic: 13740 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOIS	SE PARAM	IETERS A	T 50 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 43.86	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated l	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	EMEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-0.31	0.75	-1.20	66.60	64.23	62.94	56.88	65.31	65.94	70 dBA:	28	30
Medium Trucks	76.31	-15.17	0.75	-1.20	60.69	41.48	33.70	42.91	49.06	49.09	65 dBA:	60	65
Heavy Trucks	81.16	-12.96	0.75	-1.20	67.75	50.76	42.98	52.19	58.34	58.38	60 dBA:	129	140
				Total:	70.68	64.44	62.98	58.28	66.19	66.72	55 dBA:	279	302

Scenario: HORIZON YEAR 2040 WITH PROJECT CONDITIONS

Project Name: Commerce Retail Center

Site Conditions: Soft

		Vehicle M	ix 1 (Local))		/ehicle Mix	2 (Arteria	I)	Ve	hicle Mix 3	3 (Hwy 11	1)
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	61.54%	12.61%	14.75%	88.90%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.98%	0.98%	3.21%	9.17%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.96%	0.10%	0.87%	1.93%

Road Name: Linden Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 10480 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAM	IETERS A	T 60 FEET	FROM CE	NTERLINE	(E	quiv. Lane D	ist: 59.46	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	0.81	-1.23	-1.20	57.81	55.69	54.38	48.36	56.78	57.41	70 dBA:	8	9
Medium Trucks	71.09	-16.43	-1.23	-1.20	52.22	30.97	36.99	18.70	31.84	34.60	65 dBA:	18	19
Heavy Trucks	78.74	-20.39	-1.23	-1.20	55.92	44.67	27.17	31.82	43.10	43.13	60 dBA:	38	41
				Total:	60.65	56.03	54.46	48.46	56.98	57.59	55 dBA:	81	89

Road Name: Linden Avenue Segment: South of Santa Ana Avenue

Average Daily Traffic: 11500 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Collector

	NOI	SE PARAN	IETERS A	T 45 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 44.28	ft)	Centerline	Distance	e to
		Noise Ad	iustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	59.44	1.21	0.69	-1.20	60.14	58.01	56.70	50.69	59.11	59.73	70 dBA:	9	10
Medium Trucks	71.09	-16.03	0.69	-1.20	54.55	33.30	39.32	21.02	34.17	36.92	65 dBA:	19	21
Heavy Trucks	78.74	-19.99	0.69	-1.20	58.24	46.99	29.49	34.14	45.42	45.45	60 dBA:	40	44
				Total:	62.98	58.36	56.79	50.79	59.30	59.92	55 dBA:	87	96

Road Name: Cedar Avenue Segment: North of Slover Avenue

Average Daily Traffic: 37823 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

'-	NOI	SE PARAM	IETERS A	T 55 FEET	FROM CE	NTERLINI	E (E	quiv. Lane D	ist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unr	nitigated	Noise Levels	3		Noise Cont	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	69.34	3.58	-0.04	-1.20	71.69	69.31	68.02	61.97	70.40	71.03	70 dBA:	65	71
Medium Trucks	77.62	-11.29	-0.04	-1.20	65.10	45.89	38.11	47.32	53.47	53.50	65 dBA:	141	153
Heavy Trucks	82.14	-9.07	-0.04	-1.20	71.84	54.85	47.06	56.27	62.43	62.46	60 dBA:	303	329
				Total:	75.22	69.49	68.06	63.12	71.12	71.66	55 dBA:	653	710

Scenario: HORIZON YEAR 2040 WITH PROJECT CONDITIONS

Project Name: Commerce Retail Center
Site Conditions: Soft

Road Name: Cedar Avenue Segment: North of Santa Ana Avenue

Average Daily Traffic: 35874 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) Centerline Distance to **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 69.34 3.35 -1.34-1.20 70.16 67.79 66.49 60.44 68.87 69.50 70 dBA: 61 66 Medium Trucks 77.62 -11.52 -1.34-1.2063.57 44.36 36.58 45.79 51.94 51.98 65 dBA: 131 143 Heavy Trucks 82.14 -9.30 -1.34 -1.20 70.31 53.32 45.54 54.74 60.90 60.93 60 dBA: 283 308 73.69 67.96 66.53 61.59 Total: 69.59 **70.13** 55 dBA: 610 663

Road Name: Cedar Avenue Segment: South of Project Driveway 1

Average Daily Traffic: 34723 Vehicles Vehicle Mix: 2 Roadway Classification: Major Vehicle Speed: 45 MPH NOISE PARAMETERS AT 65 FEET FROM CENTERLINE **Centerline Distance to** (Equiv. Lane Dist: 60.41 ft) **Unmitigated Noise Levels Noise Adjustments** Noise Contour (in feet) Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adi Leg Peak Leg Day Leg Eve. Leg Night Ldn **CNEL** Ldn **CNEL** Automobiles 69.34 3.21 -1.34 -1.20 70.02 67.64 66.35 60.30 68.73 69.36 70 dBA: 60 65 Medium Trucks 77.62 44.22 65 dBA: -11.66 -1.34-1.20 63.43 36.44 45.65 51.80 51.83 129 140 60 dBA: 301 **Heavy Trucks** 82.14 -9.44-1.34-1.20 70.16 53.18 45.39 54.60 60.76 60.79 277 Total: 73.55 67.82 66.39 61.45 69.45 **69.99** 55 dBA: 597 649

Road Name: Cedar Avenue Segment: South of Jurupa Avenue

Average Daily Traffic: 35971 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft) Centerline Distance to **Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak Vehicle Type Dist Adj. Finite Adi Leg Day Leg Eve. Leg Night Ldn CNEL Ldn CNEL Automobiles 69.34 3.36 -2.39 -1.20 69.11 66.74 65.45 59.39 67.82 68.45 70 dBA: 60 65 Medium Trucks 77.62 -2.39 -1.20 62.52 35.53 50.93 65 dBA: 129 140 -11.51 43.31 44.74 50.90

> -1.20 69.26 52.27 44.49 53.70 59.85 59.89 60 dBA: 278 303 Total: 72.64 66.91 65.49 60.54 68.54 69.09 55 dBA: 600 652

Road Name: Larch Avenue Segment: North of Santa Ana Avenue

Heavy Trucks

82.14

-9.29

-2.39

Average Daily Traffic: 5430 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector

NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Fquity Lane Dist: 54.42 ft)

Centerline Distance to

	NO	ISE PARAN	METERS A	T 55 FEET	FROM CEI	NTERLINI	E (E	quiv. Lane D	ist: 54.42	ft)	Centerline	Distanc	e to
		Noise Adj	iustments			Unr	nitigated	Noise Level	S		Noise Cont	our (in 1	eet)
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-3.51	-0.65	-1.20	59.74	57.62	56.31	50.30	58.72	59.34	70 dBA:	10	11
Medium Trucks	74.83	-20.75	-0.65	-1.20	52.22	30.97	37.00	18.70	31.85	34.60	65 dBA:	21	23
Heavy Trucks	80.05	-24.71	-0.65	-1.20	53.49	42.24	24.74	29.38	40.67	40.70	60 dBA:	46	50
•		_		Total:	61.25	57.75	56.36	50.33	58.79	59.42	55 dBA:	98	108

Scenario: HORIZON YEAR 2040 WITH PROJECT CONDITIONS **Project Name: Commerce Retail Center** Site Conditions: Soft

Larch Avenue Seament: **South of Santa Ana Avenue Road Name:**

Average Daily Traffic: 4300 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Collector NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 69.54 ft) Centerline Distance to **Unmitigated Noise Levels** Noise Contour (in feet) **Noise Adjustments** Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Peak Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 65.11 -4.52-2.25 -1.20 57.13 55.01 53.70 47.68 56.10 56.73 70 dBA: 8 9 Medium Trucks 74.83 -21.76 -2.25 -1.20 49.61 28.36 34.38 16.09 29.23 31.99 65 dBA: 18 20 **Heavy Trucks** 80.05 -25.72 -2.25-1.20 50.87 39.63 22.12 26.77 38.06 38.09 60 dBA: 39 43 58.64 55.14 53.75 Total: 47.72 56.18 56.80 55 dBA: 84 92

Road Name: Slover Avenue Segment: **West of Cedar Avenue**

Average Daily Traffic: 21911 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft) **Centerline Distance to Noise Adjustments Unmitigated Noise Levels** Noise Contour (in feet) REMEL Traffic Adj. Leg Peak CNEL Finite Adi Leq Day Leq Eve. Leq Night Ldn CNEL Vehicle Type Dist Adj. Ldn Automobiles -1.20 70.63 68.26 69.34 70 dBA: 55 59 71.12 0.75 -0.04 66.97 60.91 69.98

44.23

36.45

63.44

-1.20 69.89 52.90 45.11 54.32 60.48 60.51 60 dBA: 253 276 73.71 Total: 68.40 67.00 61.88 69.94 **70.50** 55 dBA: 545 594

51.85

51.81

65 dBA:

117

128

45.66

Road Name: Slover Avenue Segment: **East of Cedar Avenue**

-1.20

-0.04

-0.04

Medium Trucks

Heavy Trucks

Heavy Trucks

78.79

83.02

-14.12

-11.90

Average Daily Traffic: 17921 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Major NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft) **Centerline Distance to** Noise Contour (in feet) **Noise Adjustments Unmitigated Noise Levels** Leq Peak Vehicle Type REMEL Traffic Adi. Dist Adj. Finite Adj Leg Day Leg Eve. Leg Night Ldn CNEL Ldn **CNEL** Automobiles 71.12 -0.12 -1.34 -1.20 68.46 66.09 64.80 58.74 67.17 67.80 70 dBA: 46 50 Medium Trucks 78.79 -14.99-1.34-1.2061.27 42.06 34.28 43.49 49.64 49.67 65 dBA: 99 108 83.02 -12.77 -1.34

-1.20 67.71 50.72 42.94 52.15 58.30 58.34 60 dBA: 214 233 71.54 66.23 64.83 59.71 68.33 55 dBA: 462 503 Total: 67.77

Road Name: Santa Ana Avenue West of Linden Avenue Segment:

Average Daily Traffic: 7411 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NO	ISE PARAN	METERS A	T 70 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	Γraffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-2.99	-1.99	-1.20	61.18	58.81	57.52	51.46	59.89	60.53	70 dBA:	17	18
Medium Trucks	76.31	-17.86	-1.99	-1.20	55.27	36.06	28.28	37.49	43.64	43.68	65 dBA:	37	40
Heavy Trucks	81.16	-15.64	-1.99	-1.20	62.33	45.34	37.56	46.77	52.93	52.96	60 dBA:	79	85
•				Total:	65.26	59.02	57.57	52.86	60.77	61.30	55 dBA:	170	184

Scenario: HORIZON YEAR 2040 WITH PROJECT CONDITIONS

Project Name: Commerce Retail Center

Site Conditions: Soft

Road Name: Santa Ana Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 9762 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

_	NO	ISE PARAN	/IETERS A	T 80 FEET	FROM CEI	NTERLINI	E (E	quiv. Lane D	ist: 77.19	ft)	Centerline	Distance	e to
		Noise Ad	justments			Unr	nitigated	Noise Level	S		Noise Cont	our (in f	eet)
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-1.79	-2.93	-1.20	61.43	59.06	57.77	51.71	60.15	60.78	70 dBA:	20	22
Medium Trucks	76.31	-16.66	-2.93	-1.20	55.52	36.31	28.53	37.74	43.89	43.93	65 dBA:	43	47
Heavy Trucks	81.16	-14.44	-2.93	-1.20	62.59	45.60	37.81	47.02	53.18	53.21	60 dBA:	94	102
				Total:	65.52	59.28	57.82	53.11	61.03	61.55	55 dBA:	202	219

Road Name: Santa Ana Avenue Segment: East of Cedar Avenue

Average Daily Traffic: 12043 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NC	DISE PARA	METERS	AT 75 FEE	T FROM C	ENTERLIN	VE (Equiv. Lane	Dist: 72 ft)		Centerline	Distance	e to
		Noise Adj	justments			Unn	nitigated	Noise Levels	3		Noise Cont	our (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-0.88	-2.48	-1.20	62.80	60.43	59.13	53.08	61.51	62.14	70 dBA:	23	25
Medium Trucks	76.31	-15.75	-2.48	-1.20	56.89	37.68	29.90	39.10	45.26	45.29	65 dBA:	50	54
Heavy Trucks	81.16	-13.53	-2.48	-1.20	63.95	46.96	39.18	48.39	54.54	54.58	60 dBA:	108	117
				Total:	66.88	60.64	59.18	54.48	62.39	62.92	55 dBA:	233	253

Road Name: Santa Ana Avenue Segment: East of Larch Avenue

Average Daily Traffic: 9081 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	1101	05 54544	4ETEDO A	 	EDOM OF		_ /_			•••	<u> </u>	-	
	NOI	SE PARAN	JETERS A	I 70 FEET	FROM CE	NIEKLINI	E (E	quiv. Lane [Dist: 66.78	ft)	Centerline	Distance	e to
		Noise Ad	justments			Unr	nitigated	Noise Level	ls		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-2.11	-1.99	-1.20	62.07	59.69	58.40	52.35	60.78	61.41	70 dBA:	19	21
Medium Trucks	76.31	-16.97	-1.99	-1.20	56.15	36.94	29.16	38.37	44.52	44.56	65 dBA:	42	45
Heavy Trucks	81.16	-14.75	-1.99	-1.20	63.22	46.23	38.45	47.65	53.81	53.84	60 dBA:	90	98
				Total:	66.15	59.91	58.45	53.74	61.66	62.18	55 dBA:	194	211

Road Name: Jurupa Avenue Segment: West of Cedar Avenue

Average Daily Traffic: 12071 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOI	ISE PARAN	METERS A	T 55 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 49.49	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Level	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	raffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-0.87	-0.04	-1.20	65.25	62.88	61.59	55.53	63.96	64.60	70 dBA:	25	27
Medium Trucks	76.31	-15.74	-0.04	-1.20	59.34	40.13	32.35	41.56	47.71	47.75	65 dBA:	54	58
Heavy Trucks	81.16	-13.52	-0.04	-1.20	66.40	49.41	41.63	50.84	57.00	57.03	60 dBA:	116	125
				Total:	69.33	63.09	61.64	56.93	64.84	65.37	55 dBA:	249	270

Project Name: Commerce Retail Center Site Conditions: Soft Scenario: HORIZON YEAR 2040 WITH PROJECT CONDITIONS

Jurupa Avenue Road Name: Segment: **East of Cedar Avenue**

Average Daily Traffic: 14221 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major

•	NOIS	SE PARAM	IETERS A	T 50 FEET	FROM CEI	NTERLINE	E (E	quiv. Lane D	ist: 43.86	ft)	Centerline	Distance	e to
		Noise Adj	ustments			Unn	nitigated	Noise Levels	S		Noise Con	tour (in f	eet)
Vehicle Type	REMELT	MEL Traffic Adj. Dist Adj. Finite Adj				Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	-0.16	0.75	-1.20	66.75	64.38	63.09	57.03	65.46	66.09	70 dBA:	29	31
Medium Trucks	76.31	-15.03	0.75	-1.20	60.84	41.63	33.85	43.06	49.21	49.24	65 dBA:	61	67
Heavy Trucks	81.16	-12.81	0.75	-1.20	67.90	50.91	43.13	52.34	58.49	58.53	60 dBA:	132	144
				Total:	70.83	64.59	63.13	58.43	66.34	66.87	55 dBA:	285	309

General Information 02509 Serial Number Model 831 Firmware Version 2.112 Filename 831_Data.005 GT User Job Description Northwest Fresno Walmart Relocation Location Rooftop HVAC Unit Measurement Description Saturday, 2013 July 27 18:31:43 Saturday, 2013 July 27 18:41:44 Start Time Stop Time 00:10:01.1 Duration Run Time 00:10:01.1 Pause 00:00:00.0 Saturday, 2013 July 27 17:53:07 Pre Calibration Post Calibration None Calibration Deviation

Note

Freq. (Hz):

LZeq

LZSmax

LZSmin

8.0

70.9

83.8

53.2

16.0

64.4

78.9

56.5

31.5

61.4

70.0

56.7

63.0

74.2

78.4

67.7

125

68.2

72.3

66.1

250

64.9

66.1

63.5

500

66.3

67.8

65.0

1k

61.7

63.1

60.7

2k

55.1

56.9

53.9

4k

49.9

53.2

48.4

8k

44.3

46.7

43.2

16k

44.0

45.4

43.7

Note Located 10 feet southeast of rooftop HVAC Unit 14 locat 94 F, 30% Hu., 29.45 in Hg, no wind, partly cloudy	ted on western side of roof		
Overall Data LAeq LASmax LApeak (max) LASmin LCeq LAeq LAeq LAeq LAleq LAleq LAIeq LAIeq - LAeq LAIeq - LAeq LMI	2013 Jul 27 18:33:16 2013 Jul 27 18:32:17 2013 Jul 27 18:41:08	66.6 67.6 81.6 65.8 75.8 66.6 9.2 67.2 66.6 0.6 66.6 66.6 66.6 0.7 94.4 0.0	dB d
Statistics LAS5.00 LAS10.00 LAS33.30 LAS50.00 LAS66.60 LAS90.00 LAS > 65.0 dB (Exceedence Counts / Duration) LAS > 85.0 dB (Exceedence Counts / Duration) LApeak > 135.0 dB (Exceedence Counts / Duration) LApeak > 137.0 dB (Exceedence Counts / Duration) LApeak > 140.0 dB (Exceedence Counts / Duration)		67.0 66.9 66.7 66.6 66.5 66.3 1 / 601.1 0 / 0.0 0 / 0.0 0 / 0.0	dBA dBA dBA dBA dBA dBA s s
Settings			
RMS Weight Peak Weight Detector Preamp Integration Method OBA Range OBA Bandwidth OBA Freq. Weighting OBA Max Spectrum Gain Under Range Limit Under Range Peak		A Weighting A Weighting Slow PRM831 Linear Normal 1/1 and 1/3 Z Weighting Bin Max +0 26.2 75.8	dB dB dB
Noise Floor Overload 1/1 Spectra		17.1 143.4	dB dB

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	68.1	65.7	63.2	61.0	58.0	59.3	56.0	57.8	55.8	69.7	72.0	59.3
LZSmax	82.3	79.5	78.7	77.2	72.8	72.3	67.9	63.5	64.0	74.2	76.1	72.0
LZSmin	41.9	46.3	48.8	48.7	46.5	49.7	50.1	51.8	41.2	63.9	67.9	54.5
Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	61.6	63.7	64.5	59.0	58.7	60.9	63.2	60.8	59.9	59.2	56.1	54.6
LZSmax	71.3	68.0	67.3	61.6	61.7	64.1	65.5	64.2	62.0	60.7	57.6	58.6
LZSmin	52.9	60.0	57.2	45.1	56.0	58.9	61.1	58.4	58.4	57.1	54.9	53.3
Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	52.0	49.8	48.4	46.4	45.4	42.8	41.1	38.6	38.5	38.4	39.0	40.2
LZSmax	54.4	52.3	51.2	50.2	49.7	45.7	45.4	41.6	40.4	40.4	41.4	41.3
LZSmin	50.9	48.4	46.9	45.0	43.7	41.4	39.6	37.5	37.9	38.0	38.7	39.9
a 1'1	-1 .											
Calibration H	istory									15	1/5	
Preamp				Date						dB re	. 1V/Pa	
PRM831		27 Jul 2013 17:53:07 -25.9										

Calibration History		
Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 17:53:07	-25.9
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

General Information 02509 Serial Number Model 831 2.112 Firmware Version Filename 831_Data.002 User GT Job Description Northwest Fresno Walmart Relocation Location Northwest Fresno Walmart Measurement Description Saturday, 2013 July 27 15:49:15 Saturday, 2013 July 27 16:09:15 Start Time Stop Time 00:20:00.6 Duration Run Time 00:20:00.6 Pause 00:00:00.0 Saturday, 2013 July 27 13:36:08 Pre Calibration Post Calibration None Calibration Deviation

Note

LZSmin

46.5

55.4

Note Located at the ea							rox 140 fe	et south	of the fr	ont door		
96 F, 35% Humidit	ty, 29	.48 in H	ig, 3 mph v	wind, par	tly cloud	У						
Overall Data LAeq LASMax LApeak (max) LASmin LCeq LAeq LAeq LCeq - LAeq LAleq LAleq LAleq LAleq - LAeq LAIeq - LAeq LAIeq - LAeq LMIGHT 23:00-07:0 Lden LDay 07:00-19:00 LEvening 19:00-23 LNight 23:00-07:0 LAE # Overloads Overload Duration # OBA Overload Dura	3:00 00						2013 Jul	. 27 15:59 . 27 16:06 . 27 15:50	:25		63.1 79.2 102.2 49.6 74.0 63.1 10.9 67.4 63.1 4.3 63.1 63.1 93.9 0 0.0	dB d
Statistics LAS5.00 LAS10.00 LAS33.30 LAS50.00 LAS66.60 LAS90.00											66.7 66.3 62.8 61.7 57.7 52.8	dBA dBA dBA dBA dBA dBA
LAS > 65.0 dB (Ex LAS > 85.0 dB (Ex LApeak > 135.0 dE LApeak > 137.0 dE LApeak > 140.0 dE	xceede B (Exc B (Exc	nce Coun eedence eedence	ts / Dura Counts / I Counts / I	tion) Duration) Duration)						17 / 0 / 0 / 0 /	0.0	888888
Settings RMS Weight Peak Weight Detector Preamp Integration Metho OBA Range OBA Bandwidth OBA Freq. Weighti OBA Max Spectrum Gain										A Wei 1/1 a Z Wei	ghting ghting Slow PRM831 Linear Normal and 1/3 ghting sin Max +0	dв
Under Range Limit Under Range Peak Noise Floor Overload											26.1 75.6 17.0 143.1	dB dB dB dB
1/1 Spectra Freq. (Hz): 8.0 LZeq 66. LZSmax 82.	.7	16.0 66.1 84.9	31.5 71.1 82.2	63.0 71.6 89.3	125 64.9 77.1	250 59.5 67.1	500 59.6 72.4	1k 58.3 76.6	2k 56.2 76.6	4k 51.8 69.0	8k 46.8 67.7	16k 44.6 63.1

49.9

45.5

43.6

40.9

37.7

39.6

42.8

53.6 59.0 55.2

1/3 Spectra Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
Zeq (,	63.6	61.5	59.8	58.7	60.7	63.4	67.2	66.6	65.3	65.7	67.5	67.2
LZSmax	80.9	76.9	73.6	75.5	79.8	83.7	80.9	76.8	78.9	83.8	87.4	88.8
LZSmin	37.3	40.3	43.7	45.3	48.2	51.5	55.9	60.4	54.9	53.2	57.5	47.0
req. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
Zeq	61.7	61.0	54.9	52.9	57.0	53.2	57.3	54.1	52.1	54.5	53.3	52.7
LZSmax	76.0	71.0	69.8	65.8	64.6	65.6	67.0	71.0	67.1	65.9	72.9	73.0
JZSmin	52.1	48.8	46.7	42.4	46.2	44.6	43.2	38.5	38.6	39.0	39.4	38.2
req. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
Zeq	52.5	50.9	50.7	49.0	46.4	44.5	43.0	41.7	41.1	40.0	39.6	40.0
ZSmax	75.9	69.6	63.7	63.8	64.4	64.7	63.3	62.7	62.7	60.8	57.9	52.5
ZSmin	37.2	35.4	34.6	33.1	32.6	32.8	33.6	34.7	35.9	36.7	37.7	39.4
Calibration H	History											
reamp				Date	:					dB re	. 1V/Pa	
PRM831		27 Jul 2013 13:36:08								-25.6		
DM021				00 7				25 0				

Calibration History		
Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl

Model/Serial Number: 824 / A3176 Firmware/Software Revs: 4.283 / 3.120

Name:

Descr1: 1021 Didrikson Way Descr2: Laguna Beach, CA 92651

Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer

Location: 30' N of vendor truck loading area for Fresno Walmart

Note1: Approx 70' S of Locust Ave CL

52F, 29.57 in Hg, 67% Humid., no wind, clear sky Note2:

Overall Any Data

19-May-2011 07:05:53 Start Time:

Elapsed Time: 00:08:30.5

Leq: SEL: Peak: 19-May-2011	85.2 dBA	19-May-2011	85.8 dBC	19-May-2011	86.0 dBF
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF
19-May-2011		19-May-2011		19-May-2011	
Lmin (slow):					
19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF
19-May-2011		19-May-2011		19-May-2011	
Lmin (fast):					
19-May-2011		19-May-2011		19-May-2011	07:09:10
-		-		-	
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF
19-May-2011		19-May-2011		19-May-2011	
Lmin (impulse):			61.1 dBC		
19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Spectra

Time Run Time Date 00:08:30.5 19-May-2011 07:05:53

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	50.2		56.3		35.5		630	46.5		61.4		31.0	
16.0	50.9	55.5	56.1	61.5	37.1	41.8	800	45.4		60.8		30.5	
20.0	51.0		57.6		38.0		1000	44.5	49.3	56.1	63.9	31.7	35.6
25.0	55.8		57.5		41.1		1250	43.5		59.4		30.2	
31.5	57.7	61.6	57.1	63.3	46.2	49.9	1600	42.6		56.3		28.1	
40.0	56.7		60.3		46.3		2000	41.1	46.1	56.4	61.9	24.9	30.4
50.0	56.8		57.9		44.0		2500	40.0		58.4		21.7	
63.0	55.7	61.0	56.5	62.1	45.9	49.1	3150	40.2		60.8		19.4	
80.0	56.2		57.4		42.2		4000	39.5	43.8	58.6	63.4	18.7	24.1
100	55.6		55.1		42.3		5000	36.7		54.4		19.7	
125	54.3	59.2	59.0	63.8	40.7	45.7	6300	32.8		50.2		21.5	
160	52.8		61.0		39.4		8000	30.2	35.2	57.7	58.5	21.2	25.9
200	51.1		57.3		35.5		10000	25.4		41.5		20.5	
250	51.4	55.2	70.6	71.0	34.6	39.0	12500	22.9		32.2		19.4	
315	48.2		58.2		32.0		16000	20.8	26.5	27.4	33.9	19.1	24.4
400	47.0		59.0		30.1		20000	21.2		23.8		20.3	
500	47.0	51.6	64.3	66.9	30.4	35.3							

Ln Start Level: 15 dB

L1.00 0.0 dBA L50.00 0.0 dBA L95.00 0.0 dBA L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Detector: Slow Weighting: A

SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times 120 dB Exceeded: 0 times
Exceeded: 0 times SPL Exceedance level 2: 105 dB Peak-1 Exceedance Level: Peak-2 Exceedance Level: 100 dB Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

0 times for 00:00:00.0 Paused:

Offset: -48.2 dB Level: 113.9 dB Level: 114.0 dB

0

0

2

 $\label{thm:continuous} $$V:\Vista $$Env\2010\10022-Fresno $$Walmart\Noise $$Measurements\LD\15.slmdl$$$ File Translated:

Model/Serial Number: 824 / A3176

Current Any Data Start Time: 19-May-2011 07:05:53

Elapsed Time: 00:08:30.5

SEL:	: 19-May-2011	54.8 dBA 81.9 dBA 85.2 dBA	19-May-2011	65.1 dBC 92.2 dBC 85.8 dBC	19-May-2011	66.1 dBF 93.2 dBF 86.0 dBF
Lmax	(slow):	67.9 dBA		73.2 dBC		73.8 dBF
	19-May-2011		19-May-2011		19-May-2011	
Lmin	(slow):					
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax	(fast):	70.7 dBA		75.5 dBC		75.7 dBF
	19-May-2011		19-May-2011		19-May-2011	
Lmin	(fast):	43.1 dBA	-	57.8 dBC	-	58.9 dBF
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
T.may	(impulse):	72 1 dBA		76 8 dBC		77 1 dbF
шиах	19-May-2011		19-May-2011		19-May-2011	
Lmin	(impulse):		1, 110, 2011		1, 110, 2011	
	19-May-2011		19-May-2011	07:06:51	19-May-2011	07:09:10
	_		_		_	

18-May-2011 13:09:02 Calibrated: 19-May-2011 06:46:08 Checked:

Calibrator not set

Cal Records Count:

Interval Records: Disabled Number Interval Records: History Records: Disabled Number History Records: Run/Stop Records: Number Run/Stop Records:

File Translated: C:\Vista Env\2008\080201 - Santa Rosa Lowes\Noise Measurements\LD\7.slmdl

Model/Serial Number: 824 / A3176 4.272 / 3.120 Firmware/Software Revs: Vista Environmental Name: Descr1: 1021 Didrikson Way Descr2: Laguna Beach, CA 92651

Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer Location: 10' north of McDonalds drive thru speaker

Note1: Note2:

Overall Any Data

03-Jun-2008 17:55:14 Start Time:

Elapsed Time: 00:12:12.1

Leq: SEL: Peak:	: 03-Jun-2008	A Weight 61.2 dBA 89.8 dBA 94.9 dBA 18:02:48	03-Jun-2008	100.5 dBC	03-Jun-2008	102.0 dBF
Lmax	(slow):	73.6 dBA		88.5 dBC		88.7 dBF
			03-Jun-2008		03-Jun-2008	
Lmin	(slow):					70.9 dBF
	03-Jun-2008	17:59:22	03-Jun-2008	17:58:39	03-Jun-2008	18:00:37
Lmax	(fast):	76.1 dBA		91.4 dBC		91.6 dBF
		18:03:31	03-Jun-2008	18:03:31	03-Jun-2008	18:03:31
Lmin	(fast):	54.3 dBA		67.7 dBC		69.0 dBF
	03-Jun-2008	17:59:22	03-Jun-2008	18:00:37	03-Jun-2008	18:00:37
Lmax	(impulse):					93.8 dBF
	03-Jun-2008		03-Jun-2008		03-Jun-2008	
Lmin	(impulse):		02 7 2000	70.2 dBC	02 7 2000	71.5 dBF
	03-Jun-2008	1/.59.21	03-Jun-2008	17.58.39	03-Jun-2008	T8.00:36

Spectra

Time Run Time Date 00:12:12.1 03-Jun-2008 17:55:14

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	65.1		68.7		49.5		630	51.6		56.8		45.8	
16.0	65.1	69.5	65.9	71.8	53.1	57.1	800	51.2		55.0		45.4	
20.0	64.0		66.0		53.3		1000	50.9	55.5	54.4	59.4	45.6	50.1
25.0	68.9		65.4		57.8		1250	50.1		54.6		44.9	
31.5	68.1	73.5	65.6	70.5	57.7	62.3	1600	49.1		52.3		42.5	
40.0	69.1		66.2		57.1		2000	47.3	52.3	51.2	55.9	39.5	45.0
50.0	66.1		71.7		58.2		2500	45.6		49.5		37.0	
63.0	68.4	72.6	70.8	81.6	57.8	62.7	3150	44.1		48.7		34.1	
80.0	68.6		80.7		57.7		4000	42.1	47.3	46.5	51.4	32.6	37.4
100	66.7		73.7		56.0		5000	40.8		43.1		30.2	
125	66.6	70.3	86.6	87.8	53.1	58.6	6300	37.4		39.4		26.7	
160	61.7		81.0		50.6		8000	35.5	40.3	37.7	42.4	23.7	29.1
200	56.8		68.2		47.8		10000	32.2		34.6		20.7	
250	56.1	60.4	66.2	71.2	46.0	51.4	12500	29.5		31.3		13.3	
315	53.4		63.8		45.8		16000	26.1	31.9	28.1	33.5	12.7	18.9
400	52.2		62.6		45.9		20000	23.7		23.5		15.8	
500	52.1	56.7	56.8	64.4	46.2	50.7							

15 dB Ln Start Level: L1.00 0.0 dBA L50.00 0.0 dBA

L95.00 0.0 dBA L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Slow A Detector: Weighting:

SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times 120 dB SPL Exceedance level 2: Exceeded: 0 times
Exceeded: 0 times Peak-1 Exceedance Level: 105 dB Peak-2 Exceedance Level: 100 dB Exceeded: 0 times

Hysteresis: 2

0 time(s) Overloaded:

0 times for 00:00:00.0 Paused:

 $\texttt{C:} \\ \texttt{Vista Env} \\ \texttt{2008} \\ \texttt{080201 - Santa Rosa Lowes} \\ \texttt{Noise Measurements} \\ \texttt{LD} \\ \texttt{7.slmdl} \\ \texttt{1000} \\ \texttt{10$ File Translated:

Model/Serial Number: 824 / A3176

Current Any Data Start Time:

03-Jun-2008 17:55:14

Elapsed Time: 00:12:12.1

Leq: SEL:	:	61.2 dBA	-	76.1 dBC 104.7 dBC 100.5 dBC	03-Jun-2008	77.6 dBF 106.2 dBF 102.0 dBF
Lmax	(slow):	73.6 dBA		88.5 dBC		88.7 dBF
		18:03:31			03-Jun-2008	
Lmin	(slow):	55.0 dBA		69.3 dBC		70.9 dBF
	03-Jun-2008	17:59:22	03-Jun-2008	17:58:39	03-Jun-2008	18:00:37
Lmax	(fast):	76.1 dBA		91.4 dBC		91.6 dBF
	, ,	18:03:31			03-Jun-2008	18:03:31
Lmin	(fast):	54.3 dBA		67.7 dBC		69.0 dBF
	03-Jun-2008		03-Jun-2008	18:00:37	03-Jun-2008	18:00:37
Lmax	(impulse):	79.2 dBA		92.1 dBC		93.8 dBF
	03-Jun-2008		03-Jun-2008		03-Jun-2008	
		54.9 dBA		70.2 dBC		71.5 dBF
	03-Jun-2008		03-Jun-2008		03-Jun-2008	

03-Jun-2008 15:40:24 Calibrated: 03-Jun-2008 15:40:24 Checked:

Calibrator not set

Cal Records Count:

Interval Records: Disabled History Records: Disabled

Run/Stop Records:

Number Interval Records: 0 Number History Records: Number Run/Stop Records: 2

94.0 dB

Offset: -47.5 dB

Level: 94.0 dB

Level:

SLM & RTA Summary

Translated: 17-Aug-2010 14:31:20

File Translated: V:\Vista Env\2010\10021-Atascadero Walmart\Noise

Measurements\1. sl mdl Model Number: 824 Serial Number: A3176 Firmware Rev: 4.283 Software Version: 3.120 Name:

Descr1: 1021 Didrikson Way Laguna Beach, CA 92651 Descr2:

Setup: SLM&RTA. ssa

SLM & Real-Time Analyzer Setup Descr:

Location:

Southern edge of gas station property

100' west of El Cami no Real CL and 150' south of Del Rio Rd CL Note 1:

78 F 28.97 HG 32% Humid. 2 MPH wind and clear sky Note 2:

Overall Any Data

14-Aug-2010 12: 03: 04 Start Time: Elapsed Time: 00: 15: 00. 6

Leq: SEL: Peak:			91.2 dBA 105.2 dBA	14-Aug-2010	104.0 dBC 108.2 dBC		104.8 dBF 110.1 dBF
Lmax	(slow):		73.4 dBA		88. 4 dBC		
1	(-1)	14-Aug-2010	12: 09: 24	14-Aug-2010		14-Aug-2010	
LMIN	(slow):	14-Aug-2010		14-Aug-2010		14-Aug-2010	
		11 /lag 2010	12.01.00	11 /lag 2010	12.01.00	11 /lag 2010	12.01.00
Lmax	(fast):		81.1 dBA		96.0 dBC		98.4 dBF
		14-Aug-2010	12: 09: 24	14-Aug-2010		14-Aug-2010	
Lmi n	(fast):						
		14-Aug-2010	12: 04: 02	14-Aug-2010	12: 04: 02	14-Aug-2010	12: 04: 02
lmax	(impulse)):	84.8 dBA		99. 1 dBC		101.5 dBF
	(14-Aug-2010	12: 09: 24	14-Aug-2010	12: 09: 24	14-Aug-2010	12: 09: 24
Lmi n	(impulse)):	48.7 dBA	14-Aug-2010	63.7 dBC	3	65.4 dBF
	-	14-Aug-2010	12: 04: 02	14-Aug-2010	12: 04: 03	14-Aug-2010	12: 04: 03

Min 1/1
43. 4
49. 1
51. 5
50. 7
46.8
43.8
43. 6

2000 Hz 2500 Hz	46. 5 45. 1	1 51. 5	64. 3 63. 2	68. 5	30. 1 27. 3	36. 6
3150 Hz 4000 Hz 5000 Hz	44. 3 42. 5 40. 9	47. 6	62. 5 58. 5 56. 1	64. 6	25. 2 22. 9 21. 5	28. 2
6300 Hz 8000 Hz 10000 Hz	38. 5 36. 0 31. 8	41. 0	52. 4 51. 0 49. 3	55. 9	20. 1 18. 9 18. 3	23. 9
12500 Hz 16000 Hz 20000 Hz	27. 9 24. 5 25. 3	30. 9	46. 0 36. 7 31. 5	46. 6	18. 0 19. 1 20. 7	24. 2
Ln Start Leve	el:	15 dB				
L (1.00) 0. L (5.00) 0. L (50.00) 0. L (90.00) 0. L (95.00) 0. L (99.00) 0.	0 0 0 0					
Weighting: A SPL Exceedance L SPL Exceedance L Peak-1 Exceedance Peak-2 Exceedance Hysteresis: 2 Overloaded: 0	Level 1: 85. Level 2: 120. de Level: 105. de Level: 100.	O dB O dB	Exceeded: Exceeded: Exceeded: Exceeded:	O times O times 1 times 1 times		
Current Any Data Start Time: 14 Elapsed Time:	a 1-Aug-2010 12: 0 00: 15:					
Leq: SEL: Peak:	A We 61. 7 91. 2 105. 2 1-Aug-2010 12: 0	dBA dBA dBA	C Wei gh 74.5 dB 104.0 dB 108.2 dB 2010 12:09:2	C C C	FI at 75. 3 dBF 104. 8 dBF 110. 1 dBF 10 12: 09: 24	
Lmin (slow):	73. 4 1-Aug-2010 12: 0 49. 4 1-Aug-2010 12: 0	9: 24 14-Aug- dBA	88. 4 dB 2010 12: 09: 2 63. 1 dB 2010 12: 04: 0	4 14-Aug-20 C	90. 8 dBF 10 12: 09: 24 64. 6 dBF 10 12: 04: 03	
Lmin (fast):	81. 1 4-Aug-2010 12: 0 48. 5 4-Aug-2010 12: 0	9: 24 14-Aug- dBA	96. 0 dB 2010 12: 09: 2 61. 4 dB 2010 12: 04: 0	4 14-Aug-20 C	98. 4 dBF 10 12: 09: 24 62. 8 dBF 10 12: 04: 02	
Lmin (impulse):	1-Aug-2010 12: 0	7 dBA	63.7 d	4 14-Aug-20 BC	101.5 dBF 10 12:09:24 65.4 dBF 10 12:04:03	
Calibrated: Checked: Calibrator Cal Records Cour	14-Aug-201 not set	0 12:02:00 0f 0 12:02:00 Le Le			-47.3 dB 93.3 dB 114.0 dB	
Interval Records Time History: Run/Stop Records	Di sabl ed	Nu	mber Interva mber History mber Run/Sto	Records:	0 0 2	

Stationary Noise Calculation - Mobile Homes to North

Stationary	Reference	Reference	Home Adjac	ent to Project	Site
Noise Sources	Distance	Leq	Distance	Leq	1 (Line Source: hard=0, soft=.5; Point Source: hard=1, soft=1.5)
Rooftop HVAC	10	66.6	210	40	(eq. N-2141.2 of TeNS)
Parking Lot	5	63.1	125	35	
Semi Truck	50	67.4	125	59	
Drive Thru Speaker	10	61.2	450	28	
Gas Station	25	61.7	280	41	

Stationary	Distance from Receptor	from source	Height of Wall	Witnout Wall Noise Level at	with waii Noise Level at	Height	Height	Frequenc	barrier to	l		y =a+b-c	line of sight	fusanal	Barrier
Noise Sources	to Wall	to Wall	(feet)	Residence	Residence	(feet)	(feet)	y (hz)	(all)	barrier - a	С	(auto)	(slope)	fresnel	Atten
Rooftop HVAC	10	210	(3 40	35	24		5 800	10.0499	210.77	220.8189	0.0010	-1	-0.00274	-4.9
Parking Lot	10	125	6	35	28	3		5 800	10.0499	125.036	135.0148	0.0711	1	0.202116	-6.8
Semi Truck	10	125	6	5 59	53	5		5 800	10.0499	125.004	135	0.0539	1	0.153246	-6.4
Drive Thru Speake	10	450	6	3 28	22	: 3		5 800	10.0499	450.01	460.0043	0.0555	1	0.157945	-6.4

Stationary Noise Calculation - Homes to Northeast

Stationary	Reference	Reference	Home Adjac	ent to Project	t Site
Noise Sources	Distance	Leq	Distance	Leq	1 (Line Source: hard=0, soft=.5; Point Source: hard=1, soft=1.5)
Rooftop HVAC	10	66.6	500	33	(eq. N-2141.2 of TeNS)
Parking Lot	5	63.1	160	33	
Semi Truck	50	67.4	160	57	
Drive Thru Speaker	10	61.2	650	25	
Gas Station	25	61.7	600	34	

Stationary Noise Sources	Distance from Receptor to Wall	Distance from source to Wall	Height of Wall (feet)	Without Wall Noise Level at Residence	With Wall Noise Level at Residence		Exterior Observer Height (feet)		barrier to receiver - b (all)	source to		path difference y =a+b-c (auto)	line of sight (slope)	fresnel	Barrier Atten
Rooftop HVAC	10	500) 6	33	28	24	. ,	5 800	10.0499	500.3239	510.3538	0.0200	-1	-0.05681	-4.2
Parking Lot	10	160) 6	33	26	3		5 800	10.0499	160.0281	170.0118	0.0662	1	0.188399	-6.64
Semi Truck	10	160) 6	57	51	5		5 800	10.0499	160.0031	170	0.0530	1	0.150757	-6.4
Drive Thru Speak	e 10	650) 6	25	19	3		5 800	10.0499	650.0069	660.003	0.0538	1	0.152941	-6.4

Stationary Noise Calculation - Homes to Southwest

Stationary	Reference	Reference	Home Adjac	ent to Project	Site
Noise Sources	Distance	Leq	Distance	Leq	1 (Line Source: hard=0, soft=.5; Point Source: hard=1, soft=1.5)
Rooftop HVAC	10	66.6	400	35	(eq. N-2141.2 of TeNS)
Parking Lot	5	63.1	220	30	
Semi Truck	50	67.4	400	49	
Drive Thru Speaker	10	61.2	380	30	
Gas Station	25	61.7	700	33	

Stationary Noise Sources	Distance from Receptor to Wall	Distance from source to Wall	Height of Wall (feet)	Without Wall Noise Level at Residence	With Wall Noise Level at Residence		Exterior Observed Height (feet)		barrier to receiver - b (all)	source to		path difference y =a+b-c (auto)	line of sight (slope)	fresnel	Barrier Atten
Rooftop HVAC	10	400) (35	30	24		5 800	10.0499	400.4048	410.44	0.0147	-1	-0.04171	-4.4
Parking Lot	10	220) (30	24	. 3		5 800	10.0499	220.0205	230.0087	0.0616	1	0.175314	-6.56
Semi Truck	10	400) (3 49	43	5		5 800	10.0499	400.0012	410	0.0511	1	0.145424	-6.32
Drive Thru Speake	e 10	380) (30	23	3		5 800	10.0499	380.0118	390.0051	0.0566	1	0.160965	-6.48
										1					