



Arizona Department of Transportation

Environmental Planning

Final Noise Report

**El Mirage Road
SR303L – Jomax Road**

**Federal Project No. PEO-0(231)T
ADOT Tracs No. 0000 MA PEO T0428 01D**

July 31, 2025

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by ADOT pursuant to 23 U.S.C. 326 [23 U.S.C. 327] and a Memorandum of Understanding dated January 4, 2021 [April 16, 2019], and executed by FHWA and ADOT.

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7/31/2025

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Daniel Torres

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July 31, 2025

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EXECUTIVE SUMMARY

The City of Peoria and the Arizona Department of Transportation (ADOT), in cooperation with other local and state agencies, are preparing a Design Concept Report (DCR) and an Environmental Assessment (EA) to evaluate a potential new segment of El Mirage Road between State Route Loop 303 (SR303L) and Jomax Road. This new segment of roadway would accommodate current and projected traffic needs in response to increased development in areas along the State SR303L and near roadways and traffic interchange (TI) locations in the northwest Valley.

The noise impact determination used in this analysis is based on Arizona Department of Transportation's (ADOT) Noise Abatement Requirements (NAR), dated May 4, 2017. The ADOT NAR complies with 23 Code of Federal Regulations (CFR) 772 that outlines the Federal Highway Administration's (FHWA) procedures for highway traffic noise analysis and establishes the Noise Abatement Criteria (NAC). The FHWA NAC specify noise level impact thresholds for different categories of land use and activities. Homes, churches, schools, and parks are classified as Categories B and C, and the allowable hourly equivalent sound level (L_{eq}) for these categories is 67 "A"-weighted decibels (dBA). The ADOT NAR determines impacts as traffic noise levels approach the limits specified in the FHWA NAC. ADOT defines "approach" as one (1) dBA below the NAC for Categories A, B, C, D, and E; no noise impact threshold occurs for Categories F and G. Therefore, for Categories B and C, ADOT will consider mitigation for receivers when predicted traffic noise levels are 66 dBA or higher. Additionally, ADOT will consider mitigation if noise levels from the transportation project are predicted to increase substantially. A substantial noise level increase is equal to or greater than 15 dBA.

This noise analysis evaluated the existing condition, future No Build and Build conditions. The existing condition was analyzed by conducting ambient noise levels and evaluating existing noise levels within the project areas. The monitoring noise levels ranged from 46 to 65 dBA. The Build condition was evaluated based on predicted noise levels from the 2050 design year for the proposed improvements. A total of 134 receivers were modeled to generate noise levels for different categories of land use and activities.

Predicted noise levels in the No Build condition would be 41 to 66 dBA and Build condition would be 50 to 72 dBA in 2050. Noise impact would occur due to substantial noise level increase of 15 dBA over the existing noise levels. Noise barriers were evaluated for the Build Alternative but not recommended because the cost-per-benefited receptor for the evaluated noise barriers is greater than the ADOT NAR threshold due to construction costs associated solely with utility relocations and existing wall removals that would otherwise not be encumbered by the project. Barrier determination will be reevaluated in final design when more detailed plans are available.

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LIST OF ACRONYMS

ADOT	- Arizona Department of Transportation
ANSI	- American National Standards Institute
CAP	- Central Arizona Project
CFR	- Code of Federal Regulations
dB	- decibel
dBA	- “A”-weighted decibel
DCR	- Design Concept Report
DTM	- digital terrain model
EA	- Environmental Assessment
FHWA	- Federal Highway Administration
ft	- feet
GP	- general purpose
HAWK	- High Intensity Activated Crosswalk
Hz	- hertz
kHz	- kilohertz
L _{Aeq(h)}	- hourly “A”- weighted steady state sound level
L _{eq}	- steady state (equivalent) sound level
L _{max}	- maximum sound level
L _{min}	- minimum sound level
LOS	- level of service
MAG	- Maricopa Association of Governments
MP	- milepost
mph	- miles per hour
MON	- monitoring location
NAC	- Noise Abatement Criteria
NAR	- Noise Abatement Requirements
ROW	- right-of-way
SFH	- single family home
SPL	- sound pressure level
SR	- State Route
TI	- traffic interchange
TNM 2.5	- Traffic Noise Model version 2.5
μPa	- micro-Pascals

1.0 INTRODUCTION

The project occurs between SR303L and Jomax Road within the City of Peoria, and unincorporated Maricopa County lands, in Maricopa County, Arizona (See Figures 1 and 2). The project would occur within and adjacent to existing Maricopa County and City of Peoria right-of-way (ROW) and easement. New ROW is anticipated for this project for portions occurring through private and Arizona State Trust lands.

The scope of work for the project would include:

- Constructing a new segment of El Mirage Road between SR303L and Jomax Road. The roadway configuration includes three vehicular lanes in each direction with a center median, bicycle lanes in each direction, and sidewalk in each direction. The project may be developed as a four-lane roadway as an interim configuration. This interim configuration would first construct the outside two travel lanes, with the inside lanes to be constructed as a future stage.
- Constructing two proposed structural crossings, one over McMicken Outlet Channel Wash and one over the Beardsley Canal south of Jomax Road.
- Constructing curb and gutter, on site drainage improvements, and off-site drainage improvements.
- Installing traffic signals at Happy Valley Road
- Relocating utilities as needed
- Installing signage and lighting
- If warranted, installing a High Intensity Activated Crosswalk (HAWK) at a trail crossing between SR303L and Happy Valley Road
- Installing irrigation and landscaping
- Performing geotechnical structural crossing borings (two at each crossing)

The primary activity anticipated for the project is the extension of El Mirage Road. Additional activities include the installation of structural crossings with associated geotechnical investigations, the installation of a HAWK structure, drainage improvements, relocation of utilities, as well as the installation of irrigation and landscaping.

This study was performed in accordance with Code of Federal Regulations (CFR) Title 23, Part 772, Procedures for Abatement of Highway Traffic Noise and Construction Noise, that provide procedures for conducting noise analyses to protect the public's health and welfare. Furthermore, this analysis is performed in accordance with the ADOT Noise Abatement Requirements (NAR) dated May 4, 2017.

FIGURE 1. Project Location Map

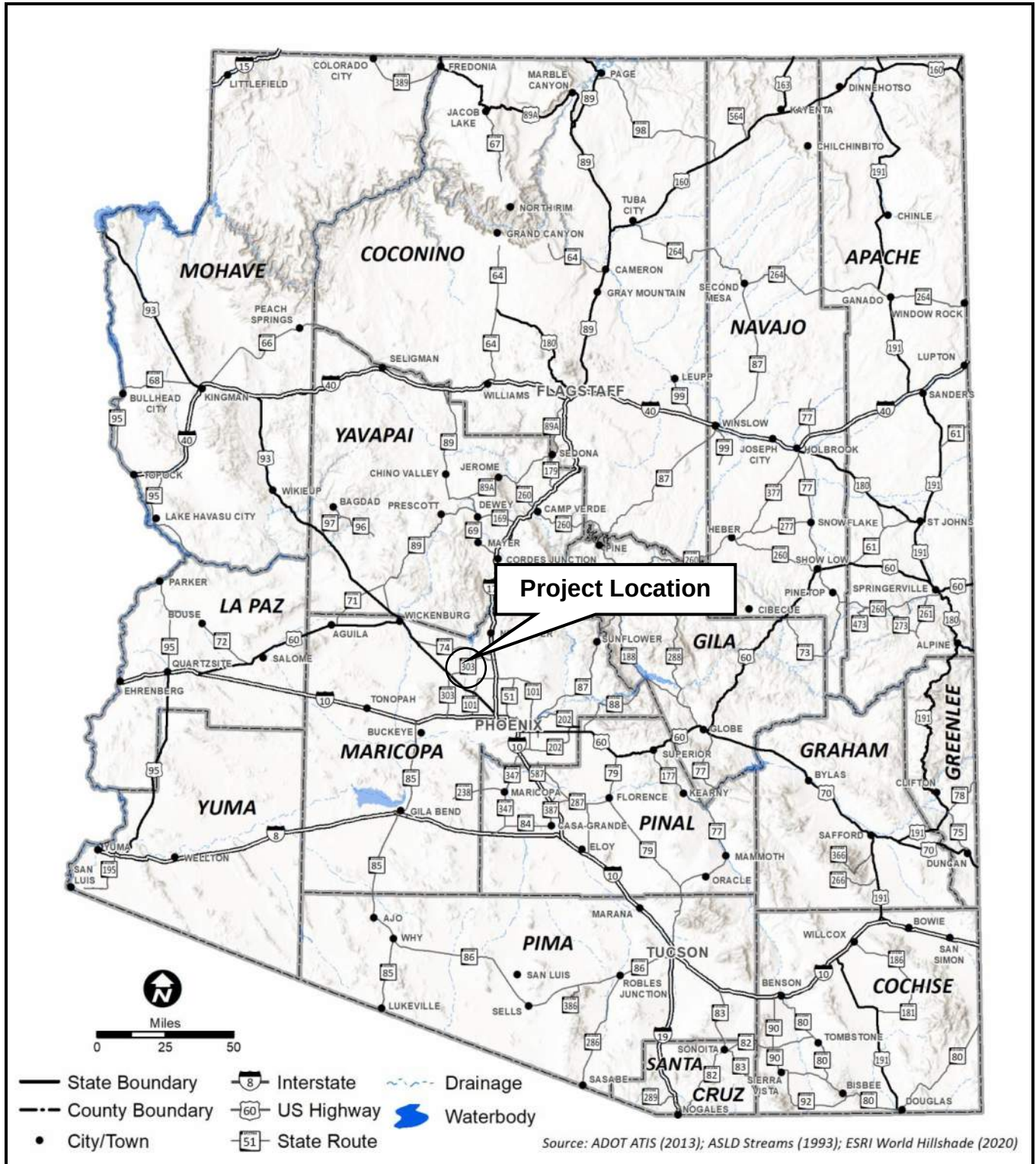


FIGURE 2. Project Vicinity Map



2.0 FUNDAMENTALS OF TRAFFIC NOISE

2.1 Sound, Noise, and Acoustics

Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a liquid or gaseous medium (e.g., air) to a hearing organ, such as a human ear. Noise is often defined as unwanted sound which is loud, unexpected, or annoying.

In the science of acoustics, the fundamental model consists of a sound (or noise) source, a receiver, and the propagation path between them. The loudness of the noise source and obstructions or atmospheric factors affecting the propagation path to the receiver determine the sound level and characteristics of the noise perceived by the receiver. The field of acoustics deals primarily with the propagation and control of sound.

2.2 Frequency

Continuous sound can be described by frequency (pitch) and amplitude (loudness). A low-frequency sound is perceived as low in pitch. Frequency is expressed in terms of cycles per second, or Hertz (Hz) (e.g., a frequency of 250 cycles per second is referred to as 250 Hz). High frequencies are sometimes more conveniently expressed in kilohertz (kHz), or thousands of Hertz. The audible frequency range for humans is generally between 20 Hz and 20,000 Hz.

2.3 Sound Pressure Levels and Decibels

The amplitude of pressure waves generated by a sound source determines the loudness of that source. Sound pressure amplitude is measured in micro-Pascals (μPa). One μPa is approximately one hundred billionth (0.0000000001) of normal atmospheric pressure. Sound pressure amplitudes for different kinds of noise environments can range from less than 100 to 100,000,000 μPa . Because of this huge range of values, sound is rarely expressed in terms of μPa . Instead, a logarithmic scale is used to describe sound pressure level (SPL) in terms of decibels (dB). The threshold of hearing for young people is about 0 dB, which corresponds to 20 μPa .

2.4 Addition of Decibels

Because decibels are logarithmic units, SPL cannot be added or subtracted through ordinary arithmetic. Under the decibel scale, a doubling of sound energy corresponds to a 3-dB increase. In other words, when two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dB higher than one source under the same conditions. For example, if one automobile produces an SPL of 70 dB when it passes an observer, two cars passing simultaneously would not produce 140 dB—rather, they would combine to produce 73 dB. Under the decibel scale, three sources of equal loudness together produce a sound level that is 5 dB louder than just one source.

2.5 A-Weighted Decibels

The decibel scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Although the intensity (energy per unit area) of the sound is a purely physical quantity, the loudness or human response is determined by the characteristics of the human ear.

Human hearing is limited in the range of audible frequencies as well as in the way it perceives the SPL in that range. In general, people are most sensitive to the frequency range of 1,000–8,000 Hz, and perceive sounds within that range better than sounds of the same amplitude in higher or lower frequencies. To approximate the response of the human ear, sound levels of individual frequency bands are weighted, depending on the human sensitivity to those frequencies. Then, an “A-weighted” sound level (expressed in units of dBA) can be computed based on this information.

The A-weighting network approximates the frequency response of the average young ear when listening to most ordinary sounds. When people make judgments of the relative loudness or annoyance of a sound, their judgments correlate well with the A-scale levels of those sounds. To demonstrate, Table 1 describes typical A-weighted noise levels for various noise sources. Other weighting networks have been devised to address high noise levels or other special problems (e.g., B-, C-, and D-scales), but these scales are rarely used in conjunction with highway-traffic noise. Noise levels for traffic noise reports are typically reported in terms of A-weighted decibels or dBA.

TABLE 1 Typical A-Weighted Noise Levels		
Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	— 110 —	Rock band
Jet fly-over at 1000 feet	— 100 —	
Gas lawn mower at 3 feet	— 90 —	
Diesel truck at 50 feet at 50 mph	— 80 —	Food blender at 3 feet Garbage disposal at 3 feet
Noisy urban area, daytime	— 70 —	Vacuum cleaner at 10 feet Normal speech at 3 feet
Gas lawn mower, 100 feet	— 60 —	
Commercial area	— 50 —	Large business office Dishwasher next room
Heavy traffic at 300 feet	— 40 —	Theater, large conference room (background)
Quiet urban daytime	— 30 —	Library
Quiet urban nighttime	— 20 —	Bedroom at night
Quiet suburban nighttime	— 10 —	Broadcast/recording studio
Quiet rural nighttime	— 0 —	Lowest threshold of human hearing
Lowest threshold of human hearing		
Source: ADOT 2008.		

2.6 Human Response to Changes in Noise Levels

As discussed above, doubling sound energy results in a 3 dB increase in sound. However, given a sound level change measured with precise instrumentation, the subjective human perception of a doubling of loudness will usually be different than what is measured.

Under controlled conditions in an acoustical laboratory, the trained, healthy human ear is able to discern 1 dB changes in sound levels, when exposed to steady, single-frequency (“pure-tone”) signals in the mid-frequency (1,000 Hz–8,000 Hz) range. In typical noisy environments, changes in noise of 1 to 2 dB are generally not perceptible. However, it is widely accepted that people are able to begin to detect sound level increases of 3 dB in typical noisy environments. Further, a 5 dB increase is generally perceived as a distinctly noticeable increase, and a 10 dB increase is generally perceived as a doubling of loudness. Therefore, comparatively, a doubling of sound energy (e.g., doubling the volume of traffic on a highway) that would result in a 3 dB increase in sound, would generally be perceived as barely detectable.

2.7 Noise Descriptors

Noise in our daily environment fluctuates over time. Some fluctuations are minor, but some are substantial. Some noise levels occur in regular patterns, but others are random. Some noise levels fluctuate rapidly, but others slowly. Some noise levels vary widely, but others are relatively constant. Various noise descriptors have been developed to describe time-varying noise levels. The most commonly used noise descriptors in traffic noise analysis are:

- **Equivalent Sound Level (L_{eq}):** L_{eq} represents an average of the sound energy occurring over a specified period. In effect, L_{eq} is the steady-state sound level containing the same acoustical energy as the time-varying sound that actually occurs during the same period. The 1-hour A-weighted equivalent sound level [$L_{Aeq(h)}$] is the energy average of A-weighted sound levels occurring during a one-hour period and is the basis for noise abatement criteria used by ADOT and FHWA.
- **Maximum Sound Level (L_{max}):** L_{max} is the highest instantaneous sound level measured during a specified period.
- **Minimum Sound Level (L_{min}):** L_{min} is the lowest instantaneous sound level measured during a specified period.

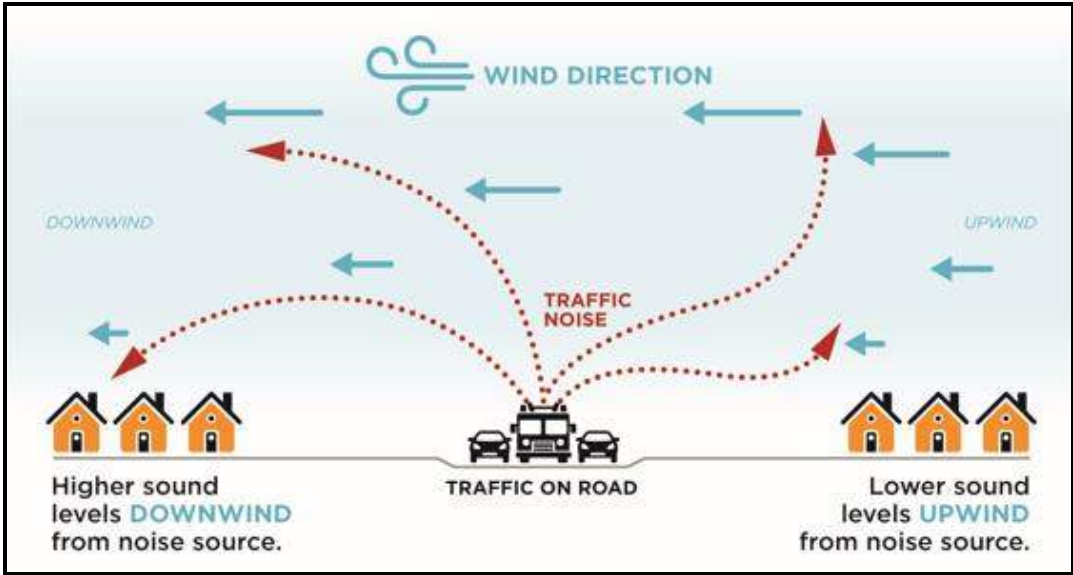
2.8 Weather Conditions

Changes in weather conditions also affect how well a noise barrier performs. Temperature inversions and downwind conditions can increase sound levels in neighborhoods protected by a noise barrier. Temperature lapses and upwind conditions can further reduce sound levels in neighborhoods protected by a noise barrier. The changes in sound levels will depend on the specific wind and temperature conditions.

Changing wind speeds above ground level can cause sound waves to bend toward or away from the earth — a process called refraction. The change in sound level depends on the

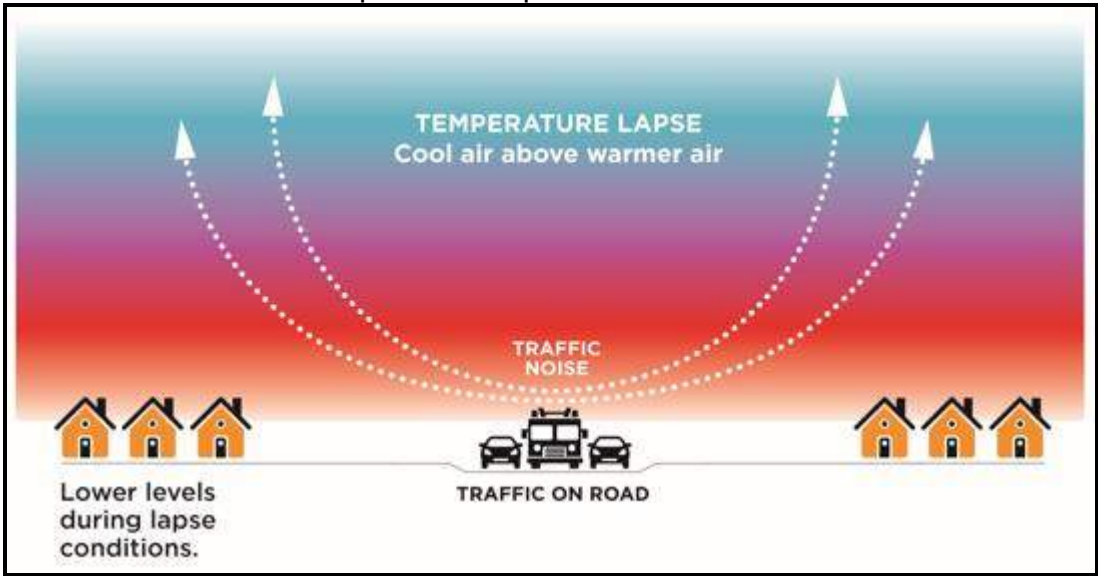
differences in wind speeds above ground and wind direction. You might notice that sound levels are higher when the wind is blowing from the highway toward you (downwind), as illustrated below. Conversely, you might notice that sound levels are lower when the wind is blowing away from you and toward the highway (upwind).

FIGURE 3. Wind Direction Effects on Traffic Noise



The temperature of the air above ground changes with height. A temperature lapse occurs when the air above ground is cooler than the air near the ground. Temperature lapses are common during the day. Lapses cause sound waves to bend away from the earth and reduce sound levels in nearby communities, as illustrated below. You might notice that sound levels are lower during the day than at night even though there may be more traffic on the road.

FIGURE 4. Temperature Lapse Effects on Traffic Noise



3.0 TRAFFIC NOISE ANALYSIS

3.1 FHWA and ADOT Noise Criteria

ADOT considers mitigation for receivers predicted to be impacted by increased noise levels associated with a proposed transportation improvement project. This analysis determines the traffic noise impacts based upon FHWA's Noise Abatement Criteria (NAC), which is referred to in the ADOT NAR dated May 4, 2017. The FHWA NAC specify an allowable traffic noise level for different categories of land uses and activities, as can be seen in Table 2.

The ADOT NAR describes impacts if the noise level "approaches" the allowable limits of the FHWA NAC. ADOT defines "approach" as one (1) dBA below the NAC for Categories A, B, C, D, and E and there is no noise impact threshold for Categories F and G. Homes, churches, schools, and parks are classified in Categories B and C, and the allowable hourly L_{eq} for these categories is 67 dBA.

TABLE 2 Noise Abatement Criteria Hourly A-Weighted Sound Level – Decibels (dBA)		
Activity Category	$L_{Aeq(h)}^{[1]}$, dBA	Description of Activity Category
A	57 (Exterior)	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B ^[2]	67 (Exterior)	Residential
C ^[2]	67 (Exterior)	Active sport areas, amphitheatres, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings
D	52 (Interior)	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios
E ^[2]	72 (Exterior)	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	---	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing
G	---	Undeveloped lands that are not permitted
Notes: [1]. The hourly equivalent sound level, $L_{Aeq(h)}$, represents the A-weighted sound level that contains the same amount of acoustic energy as the actual time-varying A-weighted sound level over one hour. [2]. Includes undeveloped lands permitted for this activity category.		
Source: ADOT NAR Rev 2017-05-04		

For Categories B and C, ADOT will consider mitigation for receivers with exterior traffic noise levels that are equal to or exceed 66 dBA. For Category E, ADOT will consider mitigation for receivers with exterior traffic noise levels that are equal to or exceed 71 dBA. Additionally,

ADOT will consider mitigation if the transportation improvement project is predicted to result in a substantial increase in noise level compared to the existing measured noise levels. A substantial noise level increase is equal to or greater than 15 dBA. In determining and reducing traffic noise impacts, exterior areas are given primary consideration and ADOT generally will consider mitigation only where frequent human use occurs.

3.2 Sensitive Land Uses in the Study Area

Landowners within the study area include the Arizona State Land Department, Flood Control District of Maricopa County, Maricopa Water District, and private parcels. Roadway rights-of-way along existing streets are managed by Maricopa County and the City of Peoria. Existing land uses in the Study Area consist of residential, industrial, open space, and vacant. Activity Category B includes residential at Coldwater Ranch subdivision and Desert Bloom at Trilogy at Vistancia Subdivision. Activity Category F includes industrial facilities. Activity Category G includes undeveloped land. Existing and future land uses within the project area were examined using MAG’s Land Use Explorer maps.

3.3 Existing Noise Levels

Existing noise-sensitive land uses within the project area were identified using land-use maps, aerial photographs, and site reconnaissance. The noise analysis of this project used two (2) geographical sections that correspond to noise receiver locations.

In total, 134 noise receivers were evaluated in the noise model for different land use categories and activities. The modeled noise receivers represent different activity categories such as residential (Category B), industrial (Category F), and undeveloped lands (Category G). Each modeled noise receiver was assigned a two part identifier, such as EX or WX. E stands for east of El Mirage Roa and W stands for west of El Mirage Road, and followed by an arbitrary sequential number X.

Table 3 shows the description of the sections and the number of modeled receivers in each section.

TABLE 3 Location of Modeled Receivers		
Section	Number of Modeled Receivers	Description of Section
1	28	El Mirage Road, between SR 303L and Happy Valley Road
2	106	El Mirage Road, between Happy Valley Road and north of Jomax Road
Total Number of Modeled Receivers		134

Five (5) different sites were selected for noise monitoring within the project area (monitoring locations are labeled “MON”) to document existing traffic noise levels. Noise monitoring was conducted on November 25 and 26, 2024. During the monitoring, weather conditions (temperature, relative humidity, wind speed and direction, and sky condition) were documented (see Appendix B). A Larson Davis System 824 with sound level meter and real-time analyzer, which complies with ANSI S1.4 and Type I Standards, was used during the noise monitoring.

The noise monitoring followed the procedures specified in the report FHWA-PD-96-046/DOT-VNTC-FHWA-96-5, *Measurement of Highway-Related Noise*. The monitoring results are summarized in Table 4.

TABLE 4 Noise Level Measurements Summary			
Section	Monitor Number	Address/Description	Monitoring Result Leq, dBA
1	MON-1	Residential community approximately 80 feet east of El Mirage Road and 750 feet south of SR303L	65
	MON-2	Trail along utility corridor perpendicular to the El Mirage alignment, approximately 1,250 feet south of Happy Valley Road	52
	MON-3	Singel-family residential community approximately 615 feet east of El Mirage Rd and 300 feet north of Happy Valley Rd	55
	MON-4	Singel-family residential community approximately 30 feet east of El Mirage Rd	57
	MON-5	Singel-family residential community approximately 75 feet west of El Mirage Rd	46

The monitored noise levels represent the existing noise conditions within the project area. The average ambient noise levels from the measurements ranged from 46 dBA to 65 dBA. The lowest noise level was recorded along the sidewalk inside the Desert Bloom at Trilogy at Vistancia Subdivision, while the highest noise level was recorded at the cul-del-sac in the Sunleya subdivision south side of the project limit. Detailed noise level monitoring information is located in Appendix B of this report.

3.4 TNM 2.5 Modeling Approach and Assumptions

The FHWA-approved highway noise computer model Traffic Noise Model (TNM) 2.5 was used for the noise-level computations and mitigation analysis. Standard English units of measurement were used throughout this analysis.

Traffic noise levels are affected mainly by roadway geometry, traffic volumes, traffic speeds, traffic mix (percentage of cars, medium trucks and heavy trucks), and shielding effects between noise sources and receivers. These variables were input into the TNM 2.5 model to predict future 2050 design year noise levels at the sensitive receiver locations. If the predicted unmitigated noise levels are less than the NAR threshold of 66 dBA and have less than 15 dBA noise level increase over the existing noise levels, no noise impacts would occur and no noise mitigation is warranted. Otherwise, mitigation consisting of noise barriers within the right-of-way would be evaluated. The barrier heights are then adjusted to achieve predicted mitigated noise levels of less than 66 dBA as applicable. Noise barriers are recommended if they meet the ADOT NAR “feasible” and “reasonable” criteria. Noise barriers are considered the most cost effective and accepted technique to mitigate traffic noise, and may consist of earth berms, concrete/masonry walls, or a combination of the two.

Roadway Geometry

The horizontal and vertical geometry of El Mirage Road, SR 303L mainline, ramps, and cross roads utilized in this analysis were obtained from the preliminary design files and the digital terrain model (DTM) provided by Burgess & Niple, Inc. Speed was modeled 5 miles per hour (mph) higher than posted speed limit.

Traffic Volumes

The FHWA NAC criteria specify that the noisiest condition be modeled for the project design year. In general this should reflect level of service (LOS) C traffic conditions during the peak noise hour, with traffic moving at 5 miles per hour above the posted speed limits. If future peak hour traffic volumes are less than maximum LOS C volumes, future peak hour traffic volumes will be utilized. For this project, ten (10) percent of the annual daily traffic volumes derived from the approved MAG traffic demand model were used as peak hour volumes in the noise model for SR 303L and El Mirage Road mainlines, ramps, and cross roads. The traffic volumes used in this analysis are included in Appendix C.

Traffic Mix

Traffic mix is the percentage of vehicles by type, typically including cars, medium trucks, and heavy trucks. Traffic mix is an important factor on the magnitude of noise levels. Generally, heavy trucks generate more noise than cars and medium trucks. Therefore, the higher the percentage of heavy trucks, the louder the noise levels would be.

Vehicle types are defined as follows:

- Cars: All vehicles with two axles and four wheels designed primarily for passenger transportation or cargo (light trucks). Generally, the gross vehicle weight is less than 10,000 pounds.
- Medium Trucks: All vehicles having two axles and six wheels designed for the transportation of cargo. Generally, the gross vehicle weight is greater than 10,000 pounds but less than 26,400 pounds.
- Heavy Trucks: All vehicles having three or more axles and designed for the transportation of cargo. Generally, the gross weight is greater than 26,400 pounds.

The traffic mix percentage used in this analysis is provided by MAG's traffic demand model and is included in Appendix C.

Traffic Speed

For the Build condition, SR 303L mainline was modeled at operating speed of 70 mph (5 mph above the posted speed limit). SR 303L ramps were modeled at 50 mph. El Mirage Road speed was modeled at 45 mph. Happy Valley Road was modeled at 50 mph and Jomax Road was modeled at 50 mph.

Model Validation

Model validation is a process for testing a model to ensure that it produces reliable results and to confirm that traffic noise is the predominant noise source at the receptor locations. In general, validation involves comparing actual noise measurements with the noise levels predicted by the model for existing conditions at the same location. The model is considered to be verified if the model results are within ± 3 dBA of the field measurements recorded at the site for the same conditions. The residential monitoring site (MON-4) was modeled within the ± 3 dBA measured. Therefore, the model is considered valid.

Shielding Effects

TNM 2.5 can account for the noise shielding effects created by existing noise barriers, privacy walls, buildings, and terrain changes that are an obstruction between noise sources and receivers. Neighborhood privacy walls and large commercial or apartment buildings were modeled as barriers. Cut-and-fill slopes and corresponding elevation changes were modeled as terrain lines. Rows of homes in neighborhoods were modeled as building rows. Also included in the model were “hard soil” ground type and existing privacy walls measuring approximately 6 feet high that typically shield residential subdivisions. Assumptions included average pavement type and default weather. These default assumptions are the FHWA-recommended values.

3.5 Construction Noise Impacts

Depending on the nature of construction operations, duration of noise could last from seconds (e.g. a truck passing a customer) to months (e.g. constructing a bridge). Construction noise is also intermittent and depends on the type of operation, location, and function of the equipment as well as the equipment usage cycle. Construction equipment is typically considered as a point source, as opposed to traffic which is considered as a line source; therefore, the noise level decreases, theoretically, by 6 dB(A) per doubling the distance from it, as opposed to 3 dB(A) for line source. Noise levels, at various distances using listed equipment are shown in Table 5. ADOT has set forth guidelines for construction noise in the *Standard Specifications for Road and Bridge Construction*, 2008. Per ADOT specifications 104.08 Prevention of Air and Noise Pollution:

“The contractor shall comply with all local sound control and noise rules, regulations and ordinances which apply to any work pursuant to the contract. Each internal combustion engine used for any purpose on the work or related to the work shall be equipped with a muffler or a type recommended by the manufacturer. No internal combustion engine shall be operated on the work without its muffler being in good working condition.”

TABLE 5 Construction Noise Levels at Various Distances from the Equipment					
Equipment	Land Use	Residential	Descriptor		L10
	R_300 ft	R_600 ft	R_900 ft	R_1200 ft	R_1500 ft
Auger Drill Rig	64.8	58.8	55.3	52.8	50.8
Boring Jack Power Unit	67.4	61.4	57.9	55.4	53.4
Compactor (ground)	63.7	57.7	54.1	51.6	49.7
Concrete Mixer Truck	62.3	56.2	52.7	50.2	48.3
Dump Truck	59.9	53.9	50.4	47.9	45.9
Excavator	64.2	58.1	54.6	52.1	50.2
Generator	65.1	59.0	55.5	53.0	51.1
Compressor (air)	61.1	55.1	51.6	49.1	47.1
Grader	68.5	62.4	58.9	56.4	54.5
Warning Horn	57.6	51.6	48.1	45.6	43.6
All Other Equipment > 5 HP	69.4	63.4	59.9	57.4	55.4
Bar Bender	60.4	54.4	50.9	48.4	46.5
Concrete Pump Truck	61.8	55.8	52.3	49.8	47.9
Soil Mix Drill Rig	64.4	58.4	54.9	52.4	50.4
Concrete Saw	70.0	64.0	60.5	58.0	56.0
Auger Drill Rig	64.8	58.8	55.3	52.8	50.8
Roller	60.4	54.4	50.9	48.4	46.5

Ground vibration and ground-born noise can also be a source of annoyance to individuals who live or work close to vibration-generating activities. Pile driving, demolition activity, blasting, and crack-and-seat operations are the primary sources of vibration, while the impact pile driving can be the most significant source of vibration at construction sites. It is recommended to apply methods that may be practical and appropriate in specific situations, to reduce vibration to an acceptable level. Such measures may be:

- Jetting,
- Predrilling
- Cast-in-place or auger cast piles
- Non-displacement piles
- Pile cushioning
- Using alternative non-impact drivers
- Scheduling activities to minimize disturbance at near-construction sites

To minimize noise impacts on the neighborhoods during construction, the following mitigation measures will be followed:

- Exhaust systems on equipment will be kept in good working order, in accordance with Section 104.08, *Prevention of Air and Noise Pollution* of the ADOT Standard Specifications for Road and Bridge Construction;

- Engine enclosures and intake silencers will be used where appropriate;
- Equipment will be maintained on a regular basis;
- New equipment will meet new noise emission standards;
- Stationary equipment will be located as far away from neighborhoods as possible; and
- The public shall be notified of construction operations and schedules by the ADOT's Communications office during construction.

4.0 NOISE MITIGATION EVALUATION

4.1 Noise Mitigation Guidelines

The ADOT NAR adopted in 2017 provides guidelines for noise abatement based on both the “feasible” and “reasonable” criteria. The ADOT NAR defines “feasibility” based on engineering and acoustical considerations (e.g., if a barrier can be built given the topography of the location; considering access, drainage, safety, or maintenance requirements, can a substantial noise reduction be achieved? are other noise sources present in the area? etc.). According to the ADOT NAR, engineering feasibility factors of abatement shall include:

- Safety – noise barriers will not be constructed in such a way as to create a potential safety hazard or to inhibit response to a safety emergency.
- Barrier height – due to safety, structural and wind load considerations, ADOT will not normally construct barriers higher than 20 feet, as a stand-alone structure. However, a wall segment height may be up to 24 feet.
- Topography – the topography of the local area may potentially preclude the use or reduce the effectiveness of noise abatement measures such as barriers and berms.
- Drainage – any noise abatement measure constructed must provide for adequate drainage, both as a safety concern and to prolong the lifespan of the roadway.
- Utilities – in the event of a conflict between existing or planned utilities and potential noise abatement measures, any extra cost involved with utility relocation or modification may be included in the wall cost when comparing against the cost-per-benefited-receptor.
- Maintenance requirements – abatement measures must be designed and constructed in such a way as to allow access to perform maintenance activities both for the barrier and for adjacent properties.
- Access to adjacent properties – abatement measures must not be designed or constructed in a manner that denies access to any property adjacent to the barrier.
- Overall project purposes – the use of abatement measures must be consistent with the overall purpose of the project.

For a noise abatement measure to be acoustically feasible ADOT requires achievement of at least a five (5) dBA highway traffic noise reduction at 50% of impacted receptors.

The “reasonable” criterion implies that common sense and good judgment were applied in arriving at a decision. According to the ADOT NAR, reasonability of abatement shall include:

- Viewpoints or preferences of property owners and residents – The preferences of the property owners and residents of the benefited receptors of a noise barrier will be taken into account when determining whether the barrier is considered reasonable.
- Noise reduction design goal – Noise barriers should be designed to reduce projected unmitigated noise levels by at least seven (7) dBA for benefited receptors closest to the transportation facility. To be considered reasonable, at least half of the benefited receptors in the first row shall achieve this level of noise reduction.

- Cost effectiveness – The maximum reasonable cost of abatement is \$49,000 per benefited receptor (cost-per-benefited-receptor) with barrier costs calculated at \$35 per square foot, \$85 per square foot if constructed on a structure.

4.2 Substantial Noise Level Increase

The projected increases in noise levels for receivers that were monitored are shown in Table 6. The monitoring results represent the existing noise levels. The TNM 2.5 2050 unmitigated column represents the future predicted noise levels in the Build Condition. The difference between these two values, the Arithmetic Increase column, is the projected increase in noise levels.

TABLE 6 Substantial Noise Level Increases					
Section	Monitor Number	Noise Receiver	Noise Level Leq, dBA		
			Monitoring Result	TNM 2.5 2050 unmitigated	Arithmetic Increase
1	MON-1	---	65	72	7
	MON-2	---	52	63	11
2	MON-3	---	55	64	9
	MON-4	---	57	72	15
	MON-5	---	46	59	13

The arithmetic increases between the monitoring levels and future predicted noise levels range from 7 to 15 dBA; Monitoring site MON-4, representing Coldwater Ranch subdivision, shows a significant increase of equal to or greater than 15 dBA. As a result, noise mitigation was evaluated due to the substantial noise level increases predicted for Coldwater Ranch subdivision.

4.3 Noise Modeling Results

Appendix A shows noise receivers and potentially recommended barrier locations and Appendix D shows the predicted noise levels for the Build condition based on the results of the TNM 2.5 modeling. Modeling results are rounded to the nearest decibel before comparisons are made. In some cases, this can result in relative changes that may not appear intuitive. For example, the difference between sound levels of 64.4 and 64.5 dBA is 0.1 dBA. However, after rounding to the nearest whole number, the difference is reported as 1 dBA. Noise modeling and results were divided into Sections 1 and 2 and are discussed below.

Section 1: El Mirage Road, between SR 303L and Happy Valley Road

Section 1 has 28 modeled receivers representing receptors for industrial land use (noise category F) and undeveloped land (noise category G). Because there are no noise limits for noise categories F and G, no noise impact would occur and barriers were not evaluated in Section 1.

Section 2: El Mirage Road, between Happy Valley Road and north of Jomax Road

Section 2 has 106 modeled receivers representing receptors in residential (noise category B), community park (noise category C), and undeveloped land (noise category G). Although noise levels of all receivers are less than the ADOT NAR threshold of 66 dBA in NAC Categories B and C, future noise levels in Build Alternative show a substantial increase of 15 dBA over the existing noise levels in the Coldwater Ranch Subdivision; As a result, noise impacts would occur and consideration of noise mitigation for these receivers is warranted.

Noise barriers should be designed to reduce projected unmitigated noise levels for benefited receptors closest to the transportation facility. To be considered reasonable, at least half of the benefited receptors in the first row would need to achieve this level of noise reduction. The maximum reasonable cost of abatement is \$49,000 per benefited receptor (cost per-benefited-receptor) with barrier costs calculated at \$35 per square foot, or \$85 per square foot if constructed on a structure such as a bridge. The cost of removing any previously built walls, drainage, and other similar construction work is included in the cost assessment.

New noise barriers N1A, N1B, N1C, and N1D along the ADOT ROW line were evaluated to provide noise shielding for the Coldwater Ranch Subdivision. The height of the evaluated barrier would be 16 feet above ground and the length would be 2,853 feet. The cost-per-benefited receptor would be approximately \$77,694. Noise barriers are not recommended because the cost-per-benefited receptor for the evaluated noise barriers is greater than the ADOT NAR threshold of \$49,000 due to construction costs associated solely with utility relocations and existing wall removals that would otherwise not be encumbered by the project. See Table 7 on next page for detailed noise barrier cost breakdown. Barrier determination will be reevaluated in final design when more detailed plans are available.

TABLE 7
Total Evaluated Noise Barrier Cost

	Length in Impact (LF) or (EA)	Unit Cost for Relocation/Removal	
New Sound Wall	45,647 SF	\$35.00	\$1,597,645.00
Electrical Duct Bank	1350	\$50.00	\$67,500.00
Electrical Power Transformer	1	\$30,000.00	\$30,000.00
Fiber Duct Bank	2025	\$40.00	\$81,000.00
Gas Crossings	3	\$15,000.00	\$45,000.00
Tree Removal	40	\$3,000.00	\$120,000.00
Remove Exst 6' Block Walls	630 LF	\$75.00	\$47,250.00
Temp Fencing	630 LF	\$50.00	\$31,500.00
Landscape Restoration (per property)	14	\$1,350.00	\$18,900.00
TCE (Per Property)	14	\$500.00	\$7,000.00
Pool Impacts Contingency	1	\$30,000.00	\$30,000.00
		Subtotal:	\$2,075,795.00
Design	12%	\$249,095.40	
Mobilization	10%	\$207,579.50	
Traffic Control	4%	\$83,031.80	
Construction Contingencies	5%	\$103,789.75	
ICAP	6.1%	\$165,876.78	
		Total Cost:	\$2,719,291.45

5.0 CONCLUSION

The Preferred Alternative would result in noise impacts to adjacent noise receivers. Noise barriers were evaluated for the Recommended Build Alternative but not recommended because the cost-per-benefit for each receptor for the evaluated noise barriers is greater than the ADOT NAR threshold. Final barrier recommendation is subject to reevaluation in final design.

6.0 STATEMENT OF LIKELIHOOD

This statement of likelihood is to be included in the environmental document since feasibility and reasonableness determinations may change due to changes in project design after approval of the environmental document. The final recommendations on the construction of abatement measures described within the report are to be determined during the completion of the project's final design.

References

Arizona Department of Transportation, *Noise Abatement Requirements*, May 2017.

Arizona Department of Transportation, *Standard Specifications for Road and Bridge Construction*, 2021.

National Cooperative Highway Research Program, *Supplemental Guidance on the Application of FHWA's Traffic Noise Model (TNM)*, March 2014.

U.S. Code of Federal Regulations, Title 23, Part 772. *Procedures for Abatement of Highway Traffic Noise and Construction Noise*.

U.S. Department of Transportation, Federal Highway Administration, *FHWA Roadway Construction Noise Model User's Guide*, January 2006.

U.S. Department of Transportation, Federal Highway Administration, *Highway Traffic Noise Analysis and Abatement Policy and Guidance*, June 1995.

U.S. Department of Transportation, Federal Highway Administration, *Highway Traffic Noise Prediction Model*, FHWA-RD-77-108, December 1978.

U.S. Department of Transportation, Federal Highway Administration, *Measurement of Highway-Related Noise*, FHWA-PD-96-046, May 1996.

Glossary of Terms

Design Year – The future year used to estimate the probable traffic volume for which a highway is designed. Normally, traffic estimates are projected 20 years into the future from the estimated start date of construction.

Existing Sound Level – The current noise level, made up of all natural and manmade noises normally present within a particular area. The existing sound level provides a reference point for determining noise impacts when transportation improvements or new highways are being considered.

Insertion Loss – A term used in noise analysis describing the projected noise reduction that results when a noise barrier is placed between a noise source and a receiver.

L_{eq} – The equivalent steady-state, A-weighted sound level which, in a stated period of time, would contain the same acoustical energy as the time-varying sound levels during the same period.

Noise Receiver – The technical term used in noise modeling to describe the location of a potential noise impact.

Shielding – Any construction or natural barrier which, when interposed between the noise source and the receiver, will provide an excess reduction in roadway noise.

TNM Model Runs Description

TNM File Name	Description
Build Condition	
ElMirageRd_Ex_v2	Existing condition for the whole project
ElMirageRd_NB_v2	Future No Build condition for the whole project
ElMirageRd_B_S1	Section 1, between SR 303L and Happy Valley Road, future Build condition
ElMirageRd_B_S2	Section 2, between Happy Valley Road and north Jomax Road, future Build condition
Mon4	Validation for Monitoring site No. 4

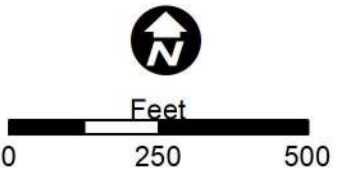
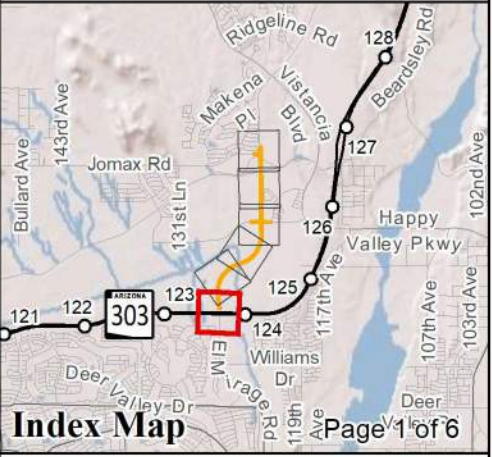
APPENDIX A

Noise Receiver Locations

**El Mirage Road
Loop 303 to Jomax Road**

**0000 MA PEO T0428 01C
PEO-0(231)T**

-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  State Route
-  Local Roads



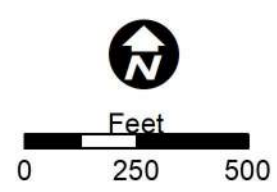
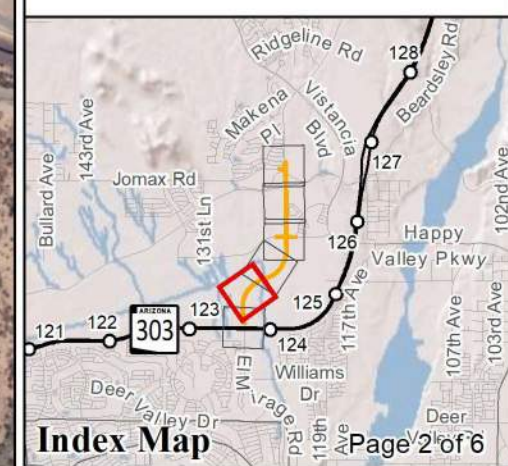
Sources:
ADOT ATIS (2013); AZTEC (2025);
Maricopa County Imagery (2023).

Map Disclaimer: This map is intended for general siting purposes only.

**El Mirage Road
Loop 303 to Jomax Road**

**0000 MA PEO T0428 01C
PEO-0(231)T**

-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  State Route



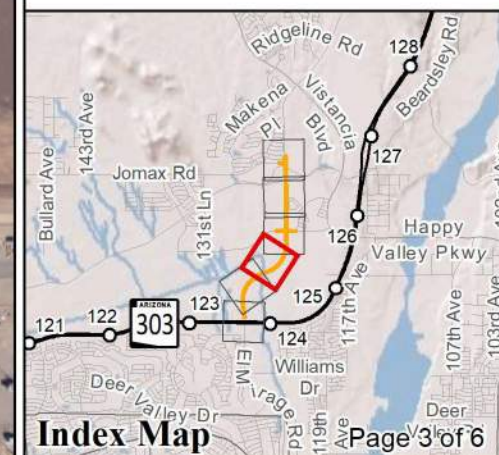
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Map Disclaimer: This map is intended for general siting purposes only.

**El Mirage Road
Loop 303 to Jomax Road**

**0000 MA PEO T0428 01C
PEO-0(231)T**

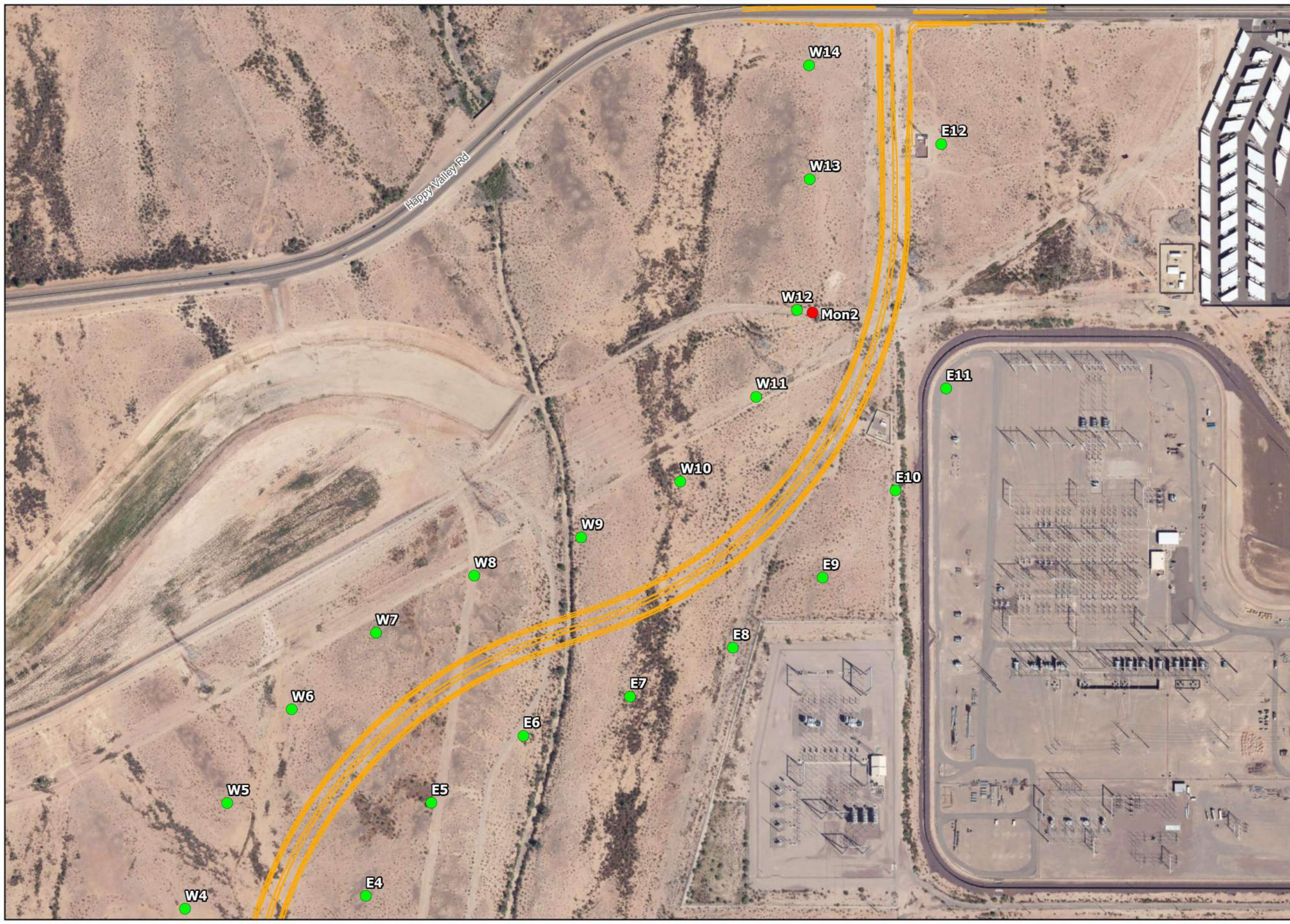
-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  State Route
-  Local Roads



Feet
0 250 500

Sources:
ADOT ATIS (2013); AZTEC (2025);
Maricopa County Imagery (2023).

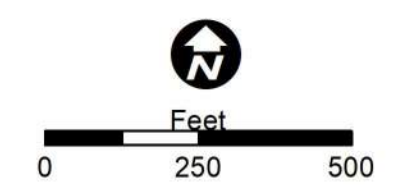
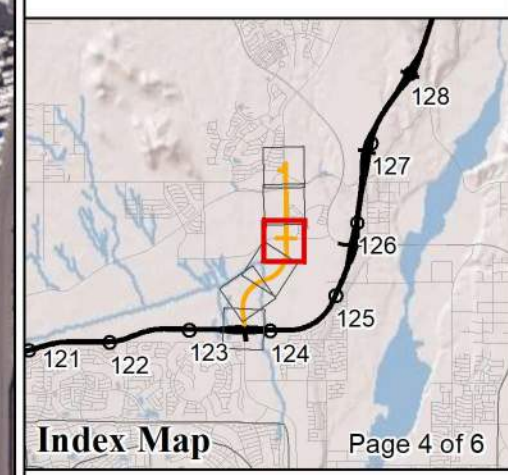
Map Disclaimer: This map is intended for general siting purposes only.



**El Mirage Road
Loop 303 to Jomax Road**

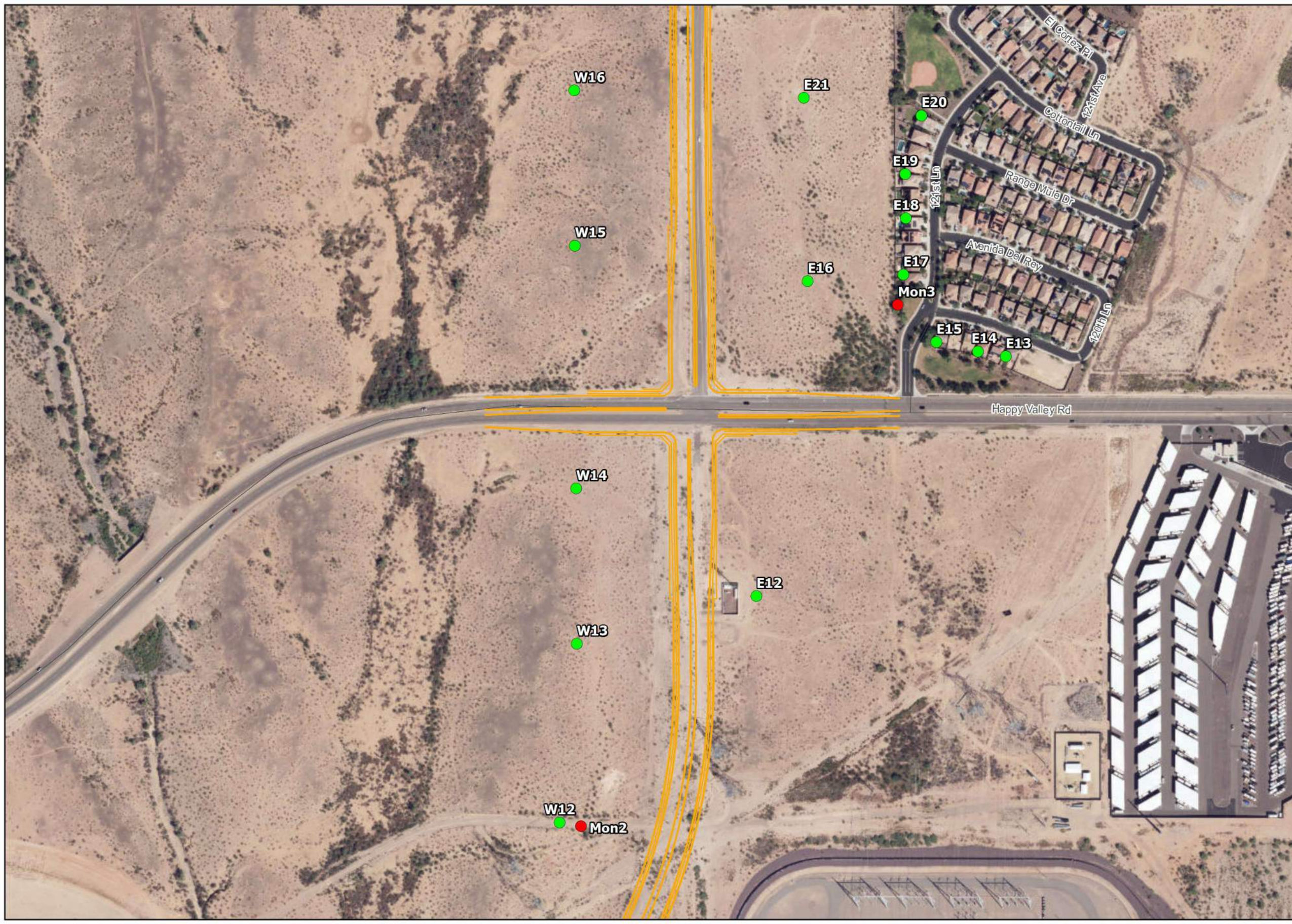
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PEO-0(231)T**

-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  State Route
-  Local Roads



Sources:
ADOT ATIS (2013); AZTEC (2025);
Maricopa County Imagery (2023).

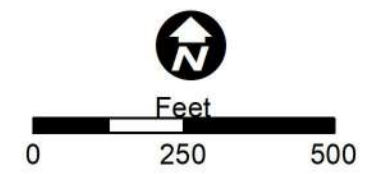
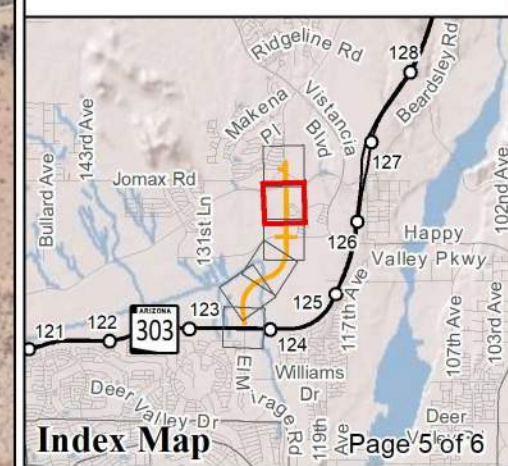
Map Disclaimer: This map is intended for general siting purposes only.



**El Mirage Road
Loop 303 to Jomax Road**

**0000 MA PEO T0428 01C
PEO-0(231)T**

-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  State Route
-  Local Roads



Sources:
ADOT ATIS (2013); AZTEC (2025);
Maricopa County Imagery (2023).

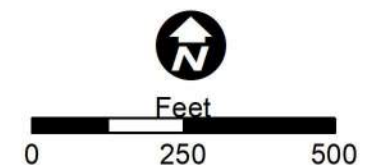
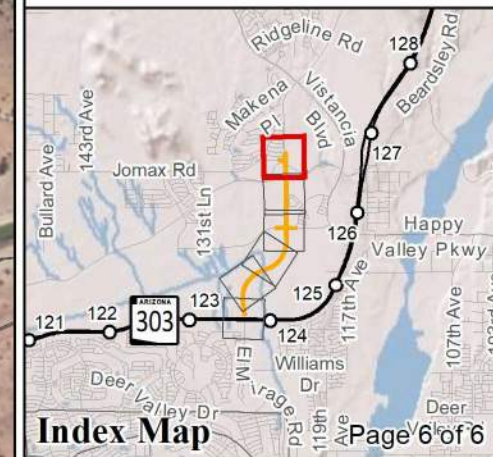
Map Disclaimer: This map is intended for general siting purposes only.



**El Mirage Road
Loop 303 to Jomax Road**

**0000 MA PEO T0428 01C
PEO-0(231)T**

-  Roadway Design
-  Receiver Location
-  Monitoring Location
-  Mileposts
-  Local Roads



Sources:
ADOT ATIS (2013); AZTEC (2025);
Maricopa County Imagery (2023).

Map Disclaimer: This map is intended for general siting
purposes only.

APPENDIX B

Noise Level Monitoring Results

ROADWAY TRAFFIC NOISE LEVEL MEASUREMENT DATA SHEET

Project Number/Name: El Mirage Road: SR303L to Jomax Road Date: 11/25/2024

Site Number/Description: MON 1, (Lat/Long: 33.696096, -112.333512)

Residential community approximately 80 feet east of El Mirage Road and 750 feet south of SR303L

Prepared by/Crew: Scott Soliday, Homaira Parveen, David Shu

Temperature: 52°F Relative Humidity: 53 % Wind & Direction: 7 mph/N Sky: Fair

SLM Make/Model: LDL 824 Calibration Make/Model: LDL CA 200 @ 114.26 dB

Calibration: ☒

Posted Speed Limit (mph): 45 (El Mirage)
65 (SR303L)

Observed Speed (mph): 40-60mph
55-80 mph



Source: ADOT ATIS (2007); ESRI World Imagery (2021); AZTEC (2024)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L _{MIN}	L _{EQ}	L _{MAX}	Auto	Med. Trk.	Hvy. Trk.
1	7:10 am	10 mins	57.8	64.8	75.8	El Mirage: NB - 289, SB - 294	El Mirage: NB - 6 SB - 3	El Mirage: NB - 0. SB - 2
2	7:21 am	10 mins	57.8	65.4	73.3			
3	7:31 am	10 mins	56.4	64.5	77.0	SR303L: NB - 895 SB - 551	SR303: NB - 23 SB - 15	SR303L: NB - 31 SB - 28



Figure 1. Looking north



Figure 2. Looking south

ROADWAY TRAFFIC NOISE LEVEL MEASUREMENT DATA SHEET

Project Number/Name: El Mirage Road: SR303L to Jomax Road Date: 11/25/2024

Site Number/Description: MON 2, (Lat/Long: 33.711156, -112.327872)

Trail along utility corridor perpendicular to the El Mirage alignment, approximately 1,250 feet south of Happy Valley Road

Prepared by/Crew: Scott Soliday, Homaira Parveen, David Shu

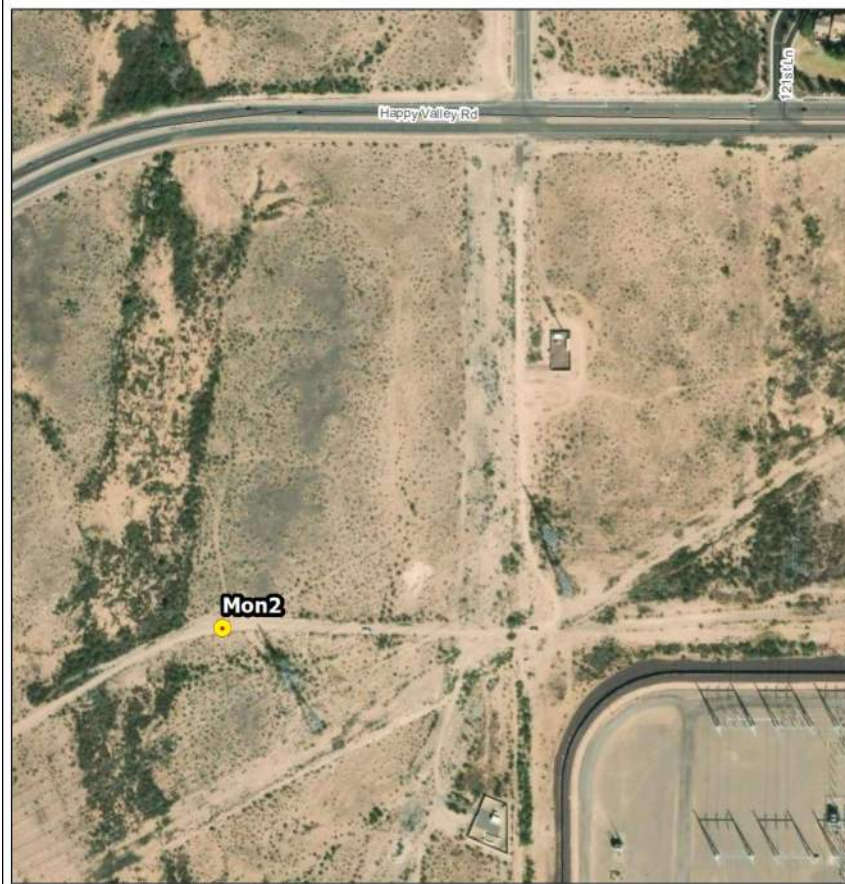
Temperature: 57°F Relative Humidity: 46 % Wind & Direction: 5 mph/NNE Sky: Fair

SLM Make/Model: LDL 824 Calibration Make/Model: LDL CA 200 @ 114.26 dB

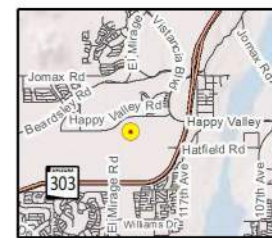
Calibration: ☒

Posted
Speed
Limit (mph): N/A

Observed
Speed
(mph): N/A



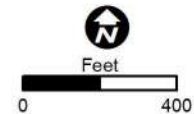
Source: ADOT ATIS (2007); ESRI World Imagery (2021); AZTEC (2024)



**El Mirage Road
Loop 303 to Jomax Road**

**PEO-0(231)T
T0428 01C**

● Monitoring Location
— State Route
— Local Roads



Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L _{MIN}	L _{EQ}	L _{MAX}	Auto	Med. Trk.	Hvy. Trk.
1	8:21 am	10 mins	50.9	53.8	70.4	N/A	N/A	N/A
2	8:32 am	10 mins	49.5	52.7	57.8			
3	8:42 am	10 mins	48.5	50.6	54.5			

Notes: None



Figure 1. Looking north



Figure 2. Looking west

ROADWAY TRAFFIC NOISE LEVEL MEASUREMENT DATA SHEET

Project Number/Name: El Mirage Road: SR303L to Jomax Road **Date:** 11/25/2024

Site Number/Description: MON 3, (Lat/Long: 33.715774, -112.323222)

Singel-family residential community approximately 615 feet east of El Mirage Rd and 300 feet north of Happy Valley Rd

Prepared by/Crew: Scott Soliday, Homaira Parveen, David Shu

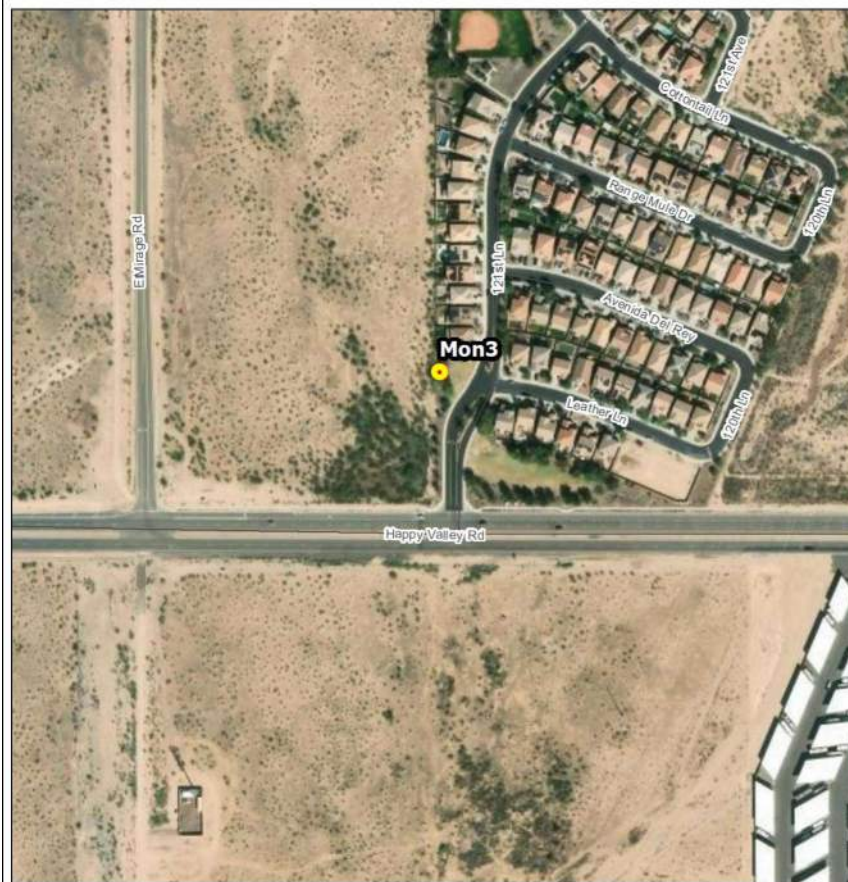
Temperature: 57°F **Relative Humidity:** 46 % **Wind & Direction:** 5 mph/NNE **Sky:** Fair

SLM Make/Model: LDL 824 **Calibration Make/Model:** LDL CA 200 @ 114.26 dB

Calibration: ☒

Posted Speed Limit (mph): 45 (Happy Valley)

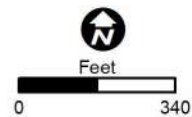
Observed Speed (mph): 35-50



**El Mirage Road
Loop 303 to Jomax Road**

**PEO-0(231)T
T0428 01C**

Monitoring Location
— State Route
— Local Roads



Source: ADOT ATIS (2007); ESRI World Imagery (2021), AZTEC (2024)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L _{MIN}	L _{EQ}	L _{MAX}	Auto	Med. Trk.	Hvy. Trk.
1	9:15 am	10 mins	46.9	55.2	63.1	El Mirage NB - 0 SB - 7	El Mirage NB - 0 SB - 0	El Mirage NB - 0 SB - 0
2	9:25 am	10 mins	45.6	55.6	69.4			
3	9:36 am	10 mins	47.7	55.6	64.2	HVR EB - 341 WB - 211	HVR EB - 4 WB - 4	HVR EB - 3 WB - 2

Notes: None



Figure 1. Looking east



Figure 2. Looking south

ROADWAY TRAFFIC NOISE LEVEL MEASUREMENT DATA SHEET

Project Number/Name: El Mirage Road: SR303L to Jomax Road Date: 11/26/2024

Site Number/Description: MON 4, (Lat/Long: 33.721298, -112.325208)

Singel-family residential community approximately 30 feet east of El Mirage Rd

Prepared by/Crew: Scott Soliday, Homaira Parveen, David Shu

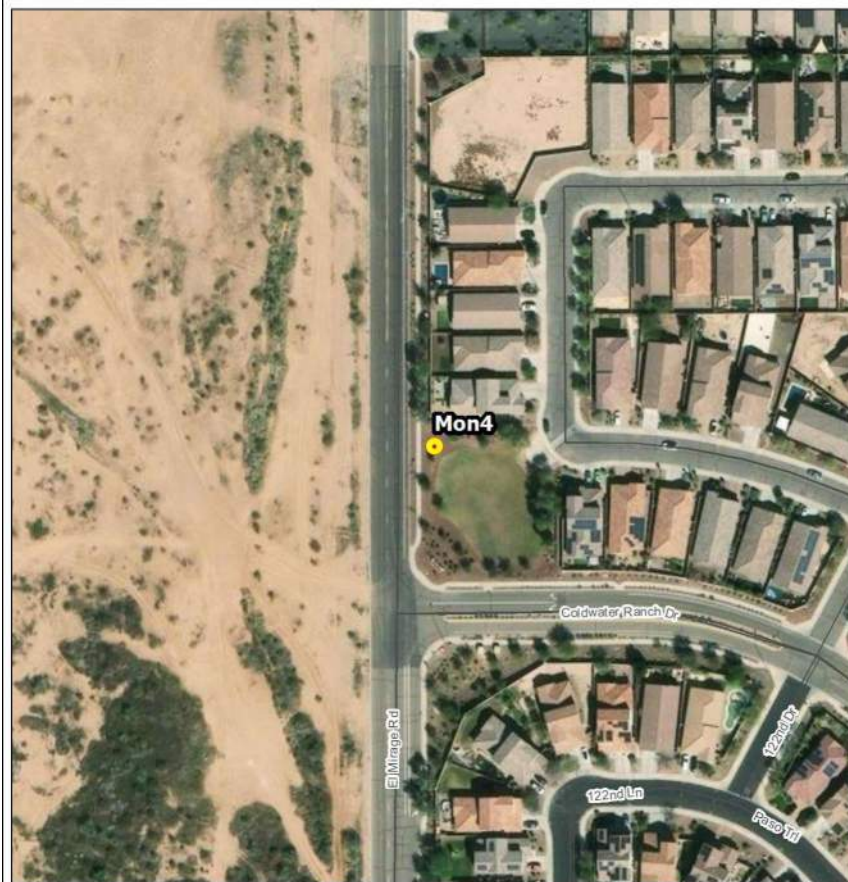
Temperature: 59°F Relative Humidity: 40 % Wind & Direction: 5 mph/N Sky: Fair

SLM Make/Model: LDL 824 Calibration Make/Model: LDL CA 200 @ 114.26 dB

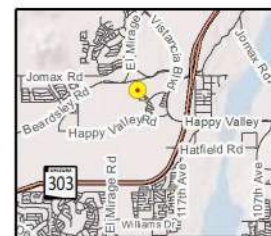
Calibration: ☒

Posted Speed Limit (mph): 45 (El Mirage)

Observed Speed (mph): 40-50



Source: ADOT ATIS (2007); ESRI World Imagery (2021); AZTEC (2024)



**El Mirage Road
Loop 303 to Jomax Road**

**PEO-0(231)T
T0428 01C**

● Monitoring Location
— State Route
— Local Roads



Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L _{MIN}	L _{EQ}	L _{MAX}	Auto	Med. Trk.	Hvy. Trk.
1	8:33 am	10 mins	43.8	57.2	74.1	El Mirage NB – 5 SB – 17	El Mirage NB – 0 SB – 0	El Mirage NB – 0 SB – 0
2	8:43 am	10 mins	42.5	57.5	70.8			
3	8:45 am	10 mins	42.6	54.8	67.6			

Notes: Overhead plane during sample 3 @ 7 min 31 sec



Figure 1. Looking west

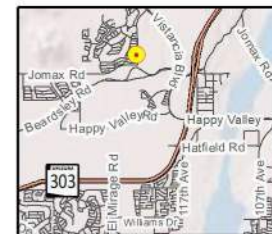


Figure 2. Looking south

ROADWAY TRAFFIC NOISE LEVEL MEASUREMENT DATA SHEET

Project Number/Name: El Mirage Road: SR303L to Jomax Road Date: 11/26/2024
Site Number/Description: MON 5, (Lat/Long: 33.729533, -112.326082)
Singel-family residential community approximately 75 feet west of El Mirage Rd
Prepared by/Crew: Scott Soliday, Homaira Parveen, David Shu
Temperature: 64°F Relative Humidity: 31 % Wind & Direction: 6 mph/ENE Sky: Fair
SLM Make/Model: LDL 824 Calibration Make/Model: LDL CA 200 @ 114.26 dB
Calibration: ☒

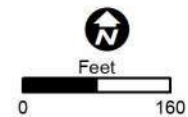
Posted Speed Limit (mph): 45 (El Mirage)
Observed Speed (mph): 35-50



**El Mirage Road
Loop 303 to Jomax Road**

**PEO-0(231)T
T0428 01C**

● Monitoring Location
— State Route
— Local Roads



Source: ADOT ATIS (2007), ESRI World Imagery (2021), AZTEC (2024)

Sample	Time		Sound Level, dBA			Traffic Count		
	Start	Duration	L _{MIN}	L _{EQ}	L _{MAX}	Auto	Med. Trk.	Hvy. Trk.
1	9:37 am	10 mins	35.0	44.6	54.4	El Mirage NB – 5 SB – 17	El Mirage NB – 0 SB – 0	El Mirage NB – 0 SB – 0
2	9:48 am	10 mins	35.5	46.3	61.6			
3	9:58 am	10 mins	34.3	46.4	61.8			

Notes: None

Mon5 was within 6 feet to the subdivision perimeter wall and was not used for validation.



Figure 1. Looking east



Figure 2. Looking south

APPENDIX C

Future Traffic Volumes

2050 Build Condition

Roadway Segments	Direction	AM Peak Hour Volume			PM Peak Hour Volume			10% of ADT Volume (TNM Modeled Volumes)		
		Auto	Medium Truck	Heavy Truck	Auto	Medium Truck	Heavy Truck	Auto	Medium Truck	Heavy Truck
El Mirage Rd SB (south of EB SR303 offramp)	SB	2191	98	13	1829	134	8	2709	158	18
El Mirage Rd NB (south of EB SR303 onramp)	NB	1395	171	15	2118	109	7	2746	182	19
El Mirage Rd SB (between WB SR303 onramp and EB SR303 offramp)	SB	812	45	5	879	49	4	1121	59	7
El Mirage Rd NB (between EB SR303 onramp and WB SR303 offramp)	NB	1185	150	12	2243	112	5	2668	172	14
El Mirage Rd SB (north of WB SR303 onramp)	SB	1031	53	5	603	34	1	1034	55	5
El Mirage Rd NB (north of WB SR303 offramp)	NB	409	35	4	893	41	2	996	52	4
SR303 WB	WB	1160	240	49	1879	298	44	2209	359	85
SR303 EB	EB	2017	245	45	1317	273	41	2252	342	77
EB SR303 offramp	EB	1518	71	10	1303	112	6	1966	129	13
EB SR303 onramp	EB	350	39	6	228	24	3	457	41	8
WB SR303 offramp	WB	112	16	2	458	32	3	459	35	6
WB SR303 onramp	WB	1108	140	10	1531	88	4	2043	150	13
El Mirage Rd (South of Happy Valley Rd)	SB	970	51	4	520	30	1	934	51	4
El Mirage Rd (South of Happy Valley Rd)	NB	345	32	4	819	37	2	891	47	4
El Mirage Rd (between Happy Valley Rd and Coldwater Ranch Dr)	SB	874	42	3	466	30	1	843	48	3
El Mirage Rd (between Happy Valley Rd and Coldwater Ranch Dr)	NB	473	43	4	810	37	2	904	50	3
El Mirage Rd (between Coldwater Ranch Dr and Jomax Rd)	SB	1091	42	3	779	32	1	1252	50	3
El Mirage Rd (between Coldwater Ranch Dr and Jomax Rd)	NB	544	41	4	1184	39	2	1289	51	3
El Mirage Rd (north of Jomax Rd)	SB	1118	47	3	669	31	1	1125	50	3
El Mirage Rd (north of Jomax Rd)	NB	481	41	4	1024	38	2	1107	50	3
Jomax Rd (west of El Mirage Rd)	EB	1143	33	2	659	39	1	1187	46	3
Jomax Rd (west of El Mirage Rd)	WB	365	33	2	1112	44	1	1151	46	3
Happy Valley Rd (west of El Mirage Rd)	EB	1365	68	5	905	58	1	1466	82	5
Happy Valley Rd (west of El Mirage Rd)	WB	594	58	3	1414	62	2	1560	82	4
Happy Valley Rd (east of El Mirage Rd)	EB	1250	59	4	962	60	2	1504	83	6
Happy Valley Rd (east of El Mirage Rd)	WB	703	69	4	1515	65	2	1702	89	5

Notes:

MAG conversion factor of 2.83 to convert AM volumes (from Tab MAG TDM data) to AM peak hour volumes

MAG conversion factor of 3.90 to convert PM volumes (from Tab MAG TDM data) to PM peak hour volumes

El Mirage Road: Post speed 40 mph. Happy Valley Road: Posted Speed 45 mph (matching existing). Jomax Road: Posted Speed 25 mph (matching existing).

Existing Condition

Roadway Segments	Direction	10% of ADT Volume (TNM Modeled Volumes)		
		Auto	Medium Truck	Heavy Truck
El Mirage Rd (between Coldwater Ranch Dr and Jomax Rd)	SB & NB	58	2	0
El Mirage Rd (north of Jomax Rd)	SB & NB	318	3	2
Jomax Rd (west of El Mirage Rd)	EB	32	1	0
Jomax Rd (west of El Mirage Rd)	WB	32	1	0
Happy Valley Rd (west of El Mirage Rd)	EB	860	323	4
Happy Valley Rd (west of El Mirage Rd)	WB	860	323	4
Happy Valley Rd (east of El Mirage Rd)	EB	820	217	2
Happy Valley Rd (east of El Mirage Rd)	WB	820	217	2

Notes:

MAG conversion factor of 2.83 to convert AM volumes (from Tab MAG TDM data) to AM peak hour volumes

MAG conversion factor of 3.90 to convert PM volumes (from Tab MAG TDM data) to PM peak hour volumes

El Mirage Road: Post speed 40 mph. Happy Valley Road: Posted Speed 45 mph (matching existing). Jomax Road: Posted Speed 25 mph (match

2050 No Build Condition

Roadway Segments	Direction	10% of ADT Volume (TNM Modeled Volumes)		
		Auto	Medium Truck	Heavy Truck
El Mirage Rd (between Coldwater Ranch Dr and Jomax Rd)	SB & NB	116	4	0
El Mirage Rd (north of Jomax Rd)	SB & NB	694	6	4
Jomax Rd (west of El Mirage Rd)	EB	131	1	1
Jomax Rd (west of El Mirage Rd)	WB	131	1	1
Happy Valley Rd (west of El Mirage Rd)	EB	1374	516	6
Happy Valley Rd (west of El Mirage Rd)	WB	1374	516	6
Happy Valley Rd (east of El Mirage Rd)	EB	1436	380	4
Happy Valley Rd (east of El Mirage Rd)	WB	1436	380	4

Notes:

MAG conversion factor of 2.83 to convert AM volumes (from Tab MAG TDM data) to AM peak hour volumes

MAG conversion factor of 3.90 to convert PM volumes (from Tab MAG TDM data) to PM peak hour volumes

El Mirage Road: Post speed 40 mph. Happy Valley Road: Posted Speed 45 mph (matching existing). Jomax Road: Posted Speed 25 mph (match

APPENDIX D

Predicted Noise Levels

EI Mirage Road: SR303L to Jomax Road

ID	NAC Category	#Units	Description	Existing Measured Noise Levels (dBA)	Existing Modeled Noise Levels (dBA)	Future No Build Noise Levels (dBA)	Future Build Unmitigated Levels (dBA)	Future Build Mitigated Levels (dBA)	Insertion Loss (dBA)	Mitigation Consideration
Section 1: El Mirage Road, between SR 303L and Happy Valley Road										
E1	G	1	Undeveloped land		---	---	68	---	---	No noise thresholds for noise activity category (NAC) F & G
E2	G	1	Undeveloped land		---	---	65	---	---	
E3	G	1	Undeveloped land		---	---	64	---	---	
E4	G	1	Undeveloped land		---	---	63	---	---	
E5	G	1	Undeveloped land		---	---	62	---	---	
E6	G	1	Passive/Restricted open space		---	---	61	---	---	
E7	G	1	Passive/Restricted open space		---	---	61	---	---	
E8	G	1	Undeveloped land		---	---	61	---	---	
E9	G	1	Undeveloped land		---	---	61	---	---	
E10	G	1	Undeveloped land		---	---	61	---	---	
E11	F	1	Westwing substation		---	---	61	---	---	
E12	F	1	Westwing 2 BESS		---	---	65	---	---	
W1	G	1	Undeveloped land		---	---	69	---	---	No noise thresholds for noise activity category G
W2	G	1	Undeveloped land		---	---	66	---	---	
W3	G	1	Undeveloped land		---	---	64	---	---	
W4	G	1	Undeveloped land		---	---	62	---	---	
W5	G	1	Undeveloped land		---	---	62	---	---	
W6	G	1	Undeveloped land		---	---	61	---	---	
W7	G	1	Passive/Restricted open space		---	---	61	---	---	
W8	G	1	Passive/Restricted open space		---	---	61	---	---	
W9	G	1	Passive/Restricted open space		---	---	59	---	---	
W10	G	1	Passive/Restricted open space		---	---	61	---	---	
W11	G	1	Undeveloped land		---	---	61	---	---	
W12	G	1	Undeveloped land		---	---	62	---	---	
W13	G	1	Undeveloped land		---	---	62	---	---	
W14	G	1	Undeveloped land		---	---	67	---	---	
Mon1	---	---	Noise monitoring site	65	---	---	72	---	---	noise monitoring sites
Mon2	---	---	Noise monitoring site	52	---	---	63	---	---	
Section 2: El Mirage Road, between Happy Valley Road and north of Jomax Road										
E13	B	2	Residential at Coldwater Ranch subdivision		60	63	61	---	---	noise levels less than category B threshold of 66 dBA
E14	B	2	Residential at Coldwater Ranch subdivision		61	63	61	---	---	
E15	B	2	Residential at Coldwater Ranch subdivision		63	66	64	---	---	
E16	G	1	Undeveloped land (Pre-Submittal/pre-approval, single family high density)		63	65	64	---	---	no noise threshold for NAC G
E17	B	3	Residential at Coldwater Ranch subdivision		56	58	57	---	---	noise levels less than category B threshold of 66 dBA
E18	B	4	Residential at Coldwater Ranch subdivision		55	57	56	---	---	
E19	B	3	Residential at Coldwater Ranch subdivision		54	56	55	---	---	
E20	B	2	Residential at Coldwater Ranch subdivision		52	55	53	---	---	no noise threshold for NAC G
E21	G	1	Undeveloped land (Pre-Submittal/pre-approval, single family high density)		56	59	61	---	---	
E22	B	3	Residential at Coldwater Ranch subdivision		49	51	56	52	4	
E22A	B	3	Residential at Coldwater Ranch subdivision		48	50	54	52	2	noise levels less than category B threshold of 66 dBA. There is substantial noise level increase (15 dBA) over the existing predicted noise levels.Noise barrier was evaluated. Final noise barrier determination will be deferred to final design when more detailed plans and data are available. See barrier analysis table.
E22B	B	2	Residential at Coldwater Ranch subdivision		48	50	53	51	2	
E23	B	3	Residential at Coldwater Ranch subdivision		51	53	61	55	6	
E24	B	3	Residential at Coldwater Ranch subdivision		49	52	61	54	7	
E25	B	2	Residential at Coldwater Ranch subdivision		48	50	56	52	4	
E25A	B	2	Residential at Coldwater Ranch subdivision		48	50	55	52	3	
E25B	B	2	Residential at Coldwater Ranch subdivision		47	50	54	51	3	
E25C	B	3	Residential at Coldwater Ranch subdivision		48	50	53	51	2	
E26	B	2	Residential at Coldwater Ranch subdivision		47	50	55	52	3	
E26A	B	3	Residential at Coldwater Ranch subdivision		46	49	53	50	3	
E27	B	3	Residential at Coldwater Ranch subdivision		49	51	61	54	7	
E28	B	2	Residential at Coldwater Ranch subdivision		47	49	55	51	4	
E28A	B	3	Residential at Coldwater Ranch subdivision		46	49	54	51	3	
E29	B	3	Residential at Coldwater Ranch subdivision		48	50	59	53	6	
E30	B	2	Residential at Coldwater Ranch subdivision		47	49	57	52	5	
E30A	B	3	Residential at Coldwater Ranch subdivision		46	49	55	51	4	
E30B	B	3	Residential at Coldwater Ranch subdivision		46	48	52	50	2	
E31	B	3	Residential at Coldwater Ranch subdivision		48	51	61	53	8	
E31A	B	3	Residential at Coldwater Ranch subdivision		46	48	52	50	2	
E32	B	2	Residential at Coldwater Ranch subdivision		46	49	58	54	4	
E33	B	2	Residential at Coldwater Ranch subdivision		45	48	55	51	4	
E33A	B	3	Residential at Coldwater Ranch subdivision		42	45	50	48	2	
E34	B	2	Residential at Coldwater Ranch subdivision		44	46	58	53	5	
E34A	B	4	Residential at Coldwater Ranch subdivision		41	44	53	51	2	
E35	B	2	Residential at Coldwater Ranch subdivision		47	50	62	55	7	
E35A	B	3	Residential at Coldwater Ranch subdivision		41	44	52	49	3	
E36	B	2	Residential at Coldwater Ranch subdivision		46	49	61	55	6	
E37	B	2	Residential at Coldwater Ranch subdivision		41	44	52	49	3	
E37A	B	4	Residential at Coldwater Ranch subdivision		42	44	54	51	3	
E37B	B	4	Residential at Coldwater Ranch subdivision		41	44	53	50	3	
E37C	B	4	Residential at Coldwater Ranch subdivision		43	45	52	49	3	
E38	B	1	Residential at Coldwater Ranch subdivision		47	50	62	55	7	
E39	B	2	Residential at Coldwater Ranch subdivision		41	43	53	49	4	
E39A	B	4	Residential at Coldwater Ranch subdivision		41	44	54	51	3	
E39B	B	4	Residential at Coldwater Ranch subdivision		41	44	54	50	4	
E39C	B	4	Residential at Coldwater Ranch subdivision		41	44	53	50	3	

El Mirage Road: SR303L to Jomax Road

ID	NAC Category	#Units	Description	Existing Measured Noise Levels (dBA)	Existing Modeled Noise Levels (dBA)	Future No Build Noise Levels (dBA)	Future Build Unmitigated Levels (dBA)	Future Build Mitigated Levels (dBA)	Insertion Loss (dBA)	Mitigation Consideration
E39D	B	4	Residential at Coldwater Ranch subdivision		42	44	52	49	3	
E40	B	2	Residential at Coldwater Ranch subdivision		49	52	65	61	4	
E41	C	3	Community park		43	46	59	56	3	
E41A	B	4	Residential at Coldwater Ranch subdivision		39	41	50	47	3	
E41B	B	4	Residential at Coldwater Ranch subdivision		39	42	51	49	2	
E42	B	2	Residential at Coldwater Ranch subdivision		47	50	63	58	5	
E43	B	3	Residential at Coldwater Ranch subdivision		46	49	62	54	8	
E44	B	2	Residential at Coldwater Ranch subdivision		41	43	54	51	3	
E44A	B	4	Residential at Coldwater Ranch subdivision		41	44	56	52	4	
E44B	B	4	Residential at Coldwater Ranch subdivision		40	43	55	51	4	
E44C	B	4	Residential at Coldwater Ranch subdivision		40	43	54	51	3	
E44D	B	4	Residential at Coldwater Ranch subdivision		40	43	53	50	3	
E45	B	3	Residential at Coldwater Ranch subdivision		47	50	63	59	4	
E46	B	2	Residential at Coldwater Ranch subdivision		41	44	55	51	4	
E46A	B	4	Residential at Coldwater Ranch subdivision		41	44	56	52	4	
E46B	B	4	Residential at Coldwater Ranch subdivision		40	43	56	52	4	
E46C	B	4	Residential at Coldwater Ranch subdivision		39	42	55	51	4	
E46D	B	4	Residential at Coldwater Ranch subdivision		39	42	54	51	3	
E47	B	2	Residential at Coldwater Ranch subdivision		45	48	61	56	5	
E48	B	2	Residential at Coldwater Ranch subdivision		41	44	60	55	5	
E48A	B	2	Residential at Coldwater Ranch subdivision		40	43	58	55	3	
E48B	B	2	Residential at Coldwater Ranch subdivision		39	42	57	53	4	
E48C	B	2	Residential at Coldwater Ranch subdivision		38	41	55	52	3	
E48D	B	2	Residential at Coldwater Ranch subdivision		38	41	54	51	3	
E48E	B	2	Residential at Coldwater Ranch subdivision		40	43	53	50	3	
E49	B	2	Residential at Coldwater Ranch subdivision		43	46	62	56	6	

El Mirage Road: SR303L to Jomax Road

ID	NAC Category	#Units	Description	Existing Measured Noise Levels (dBA)	Existing Modeled Noise Levels (dBA)	Future No Build Noise Levels (dBA)	Future Build Unmitigated Levels (dBA)	Future Build Mitigated Levels (dBA)	Insertion Loss (dBA)	Mitigation Consideration
E50	G	1	Undeveloped land		42	46	60	---	---	No noise thresholds for noise activity category G
E51	G	1	Undeveloped land		47	50	61	---	---	
E52	G	1	Undeveloped land		50	53	61	---	---	
E53	G	1	Undeveloped land		50	54	61	---	---	
W15	G	1	Undeveloped land		62	64	63	---	---	No noise thresholds for noise activity category G
W16	G	1	Undeveloped land		56	58	61	---	---	
W17	G	1	Undeveloped land		53	55	61	---	---	
W18	G	1	Undeveloped land		50	53	61	---	---	
W19	G	1	Undeveloped land		48	51	61	---	---	
W20	G	1	Undeveloped land		47	49	61	---	---	
W21	G	1	Undeveloped land		45	48	61	---	---	
W22	G	1	Undeveloped land (Platted/Site Plan commercial high)		46	49	62	---	---	
W23	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		47	51	59	---	---	noise levels less than category B threshold of 66 dBA, and no substantial noise level increase.
W24	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		47	51	60	---	---	
W24A	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		46	50	58	---	---	
W24B	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		45	49	57	---	---	
W24C	B	1	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		44	49	57	---	---	
W25	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		53	56	63	---	---	
W26	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		49	52	60	---	---	
W26A	B	4	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		47	50	57	---	---	
W26B	B	6	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		44	48	56	---	---	
W27	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		49	52	58	---	---	
W28	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		48	51	58	---	---	
W28A	B	4	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		46	50	57	---	---	
W28B	B	4	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		45	48	55	---	---	
W28C	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		43	47	54	---	---	
W29	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		51	54	60	---	---	
W30	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		49	53	59	---	---	
W30A	B	4	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		47	50	57	---	---	
W30B	B	4	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		45	48	56	---	---	
W30C	B	2	Residential at Desert Bloom at Trilogy at Vistancia Subdivision		43	46	54	---	---	
Mon3	---	---	Noise monitoring site	55	---	66	64	---	---	noise monitoring sites
Mon4	---	---	Noise monitoring site	57	---	59	72	---	---	
Mon5	---	---	Noise monitoring site	46	---	55	59	---	---	

Sources:

<https://geo.azmag.gov/maps/landuse/>

<https://maps.mcassessor.maricopa.gov/>

Yellow highlighted cells in column A indicate first row receivers.

APPENDIX E

FHWA Traffic Noise Model (TNM) 2.5 Output Tables (TNM Model to EP)

INPUT: ROADWAYS
EI Mirage Rd

AZTEC											
AZTEC											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	EI Mirage Rd						Average pavement type shall be used unless				
RUN:	EI Mirage Rd, Build, Segment 1						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
EIMirageRd_NB_in	24.0	point319	319	573,196.3	979,465.7	1,298.60				Average	
		point320	320	573,195.8	979,605.1	1,298.60				Average	
		point321	321	573,196.0	979,665.7	1,298.60				Average	
		point322	322	573,196.5	979,865.7	1,298.60				Average	
		point323	323	573,197.1	980,065.7	1,298.60				Average	
		point324	324	573,197.6	980,265.7	1,298.60				Average	
		point325	325	573,198.2	980,465.7	1,298.60				Average	
		point326	326	573,198.7	980,665.7	1,298.60				Average	
		point327	327	573,199.2	980,827.3	1,298.60				Average	
		point328	328	573,199.1	980,865.7	1,298.60				Average	
		point329	329	573,198.4	981,065.7	1,298.60				Average	
		point330	330	573,198.3	981,100.3	1,298.60				Average	
		point331	331	573,194.1	981,265.6	1,298.60				Average	
		point332	332	573,192.9	981,311.2	1,298.60				Average	
		point333	333	573,187.3	981,442.1	1,298.60				Average	
		point334	334	573,186.0	981,465.5	1,298.60				Average	
		point335	335	573,178.5	981,595.9	1,298.60				Average	
		point336	336	573,173.5	981,665.1	1,298.60				Average	
		point337	337	573,166.7	981,758.1	1,298.60				Average	
		point338	338	573,157.4	981,864.4	1,298.60					
EIMirageRd_NB_out	24.0	point478	478	573,212.8	979,465.8	1,297.70				Average	
		point479	479	573,212.3	979,605.1	1,297.70				Average	
		point480	480	573,212.5	979,665.8	1,297.70				Average	
		point481	481	573,213.0	979,865.8	1,297.70				Average	
		point482	482	573,213.6	980,065.8	1,297.70				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point483	483	573,214.1	980,265.8	1,297.70				Average	
		point484	484	573,214.7	980,465.8	1,297.70				Average	
		point485	485	573,215.2	980,665.8	1,297.70				Average	
		point486	486	573,215.7	980,827.3	1,297.70				Average	
		point487	487	573,215.6	980,865.8	1,297.70				Average	
		point488	488	573,214.9	981,065.7	1,297.70				Average	
		point489	489	573,214.8	981,100.5	1,297.70				Average	
		point490	490	573,210.6	981,265.7	1,297.70				Average	
		point491	491	573,209.4	981,311.8	1,297.70				Average	
		point492	492	573,203.8	981,442.9	1,297.70				Average	
		point493	493	573,202.5	981,465.5	1,297.70				Average	
		point494	494	573,195.0	981,597.0	1,297.70				Average	
		point495	495	573,190.0	981,665.1	1,297.70				Average	
		point496	496	573,183.1	981,759.4	1,297.70				Average	
		point497	497	573,173.9	981,864.5	1,297.70					
EI-Mirage_SB_OnRamp	22.0	29+00.000	637	573,022.8	982,265.7	1,296.20	Onramp	15.00	100	Average	
		28+00.000	638	572,923.0	982,259.2	1,295.20				Average	
		27+00.000	639	572,823.2	982,252.7	1,294.80				Average	
		26+00.000	640	572,723.4	982,246.2	1,295.20				Average	
		25+00.000	641	572,623.6	982,239.7	1,296.40				Average	
		24+00.000	642	572,523.9	982,233.2	1,298.20				Average	
		23+00.000	643	572,424.1	982,226.7	1,300.40				Average	
		22+00.000	644	572,324.3	982,220.2	1,302.50				Average	
		21+00.000	645	572,224.5	982,213.6	1,304.60				Average	
		20+00.000	646	572,124.7	982,207.1	1,306.40				Average	
		19+00.000	647	572,024.9	982,200.6	1,307.50				Average	
		18+00.000	648	571,925.1	982,194.1	1,308.00				Average	
		17+00.000	649	571,825.3	982,187.6	1,307.70				Average	
		16+00.000	650	571,725.6	982,181.1	1,306.90				Average	
		point1101	651	571,279.7	982,143.6	1,301.70					
EI-Mirage_NB_OffRamp	12.0	point1095	652	571,281.4	982,005.4	1,301.50				Average	
		16+00.000	653	571,612.0	981,964.0	1,305.40				Average	
		17+00.000	654	571,711.7	981,955.4	1,306.40				Average	
		18+00.000	655	571,811.3	981,946.9	1,306.70				Average	
		19+00.000	656	571,910.9	981,938.3	1,306.50				Average	
		20+00.000	657	572,010.6	981,929.7	1,305.60				Average	
		21+00.000	658	572,110.2	981,921.1	1,304.00				Average	
		22+00.000	659	572,209.8	981,912.5	1,302.20				Average	
		23+00.000	660	572,309.5	981,904.0	1,300.40				Average	

INPUT: ROADWAYS
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		23+86.526	661	572,395.7	981,896.5	1,298.80				Average	
		24+00.000	662	572,409.1	981,895.4	1,298.50				Average	
		25+00.000	663	572,508.8	981,887.4	1,296.70				Average	
		26+00.000	664	572,608.5	981,880.5	1,294.90				Average	
		27+00.000	665	572,708.4	981,874.6	1,293.60				Average	
		28+00.000	666	572,808.2	981,869.7	1,292.90				Average	
		29+00.000	667	572,908.2	981,865.9	1,293.00				Average	
		29+22.194	668	572,930.3	981,865.1	1,293.10				Average	
		30+00.000	669	573,008.1	981,862.7	1,293.70					
El-Mirage_SB_OffRamp	12.0	23+00.000	670	574,878.4	982,107.3	1,294.90				Average	
		22+00.000	671	574,299.3	982,169.5	1,293.20				Average	
		21+00.000	672	574,199.6	982,176.9	1,294.80				Average	
		20+00.000	673	574,099.9	982,184.4	1,295.80				Average	
		19+00.000	674	574,000.1	982,191.8	1,296.30				Average	
		18+00.000	675	573,900.4	982,199.3	1,296.30				Average	
		17+00.000	676	573,800.7	982,206.8	1,295.80				Average	
		16+00.000	677	573,701.0	982,214.2	1,295.10				Average	
		15+00.000	678	573,601.3	982,221.7	1,294.40				Average	
		14+00.000	679	573,501.5	982,229.1	1,294.10				Average	
		13+00.000	680	573,401.8	982,236.6	1,294.30				Average	
		12+00.000	681	573,302.1	982,244.0	1,294.90				Average	
		point1100	682	573,221.4	982,248.6	1,295.90					
El-Mirage_NB_OnRamp	12.0	point1098	683	573,238.8	981,853.4	1,293.90	Onramp	15.00	100	Average	
		12+00.000	684	573,338.6	981,860.2	1,292.90				Average	
		13+00.000	685	573,438.4	981,866.9	1,292.30				Average	
		14+00.000	686	573,538.1	981,873.7	1,292.00				Average	
		15+00.000	687	573,637.9	981,880.4	1,292.00				Average	
		16+00.000	688	573,737.7	981,887.2	1,292.40				Average	
		17+00.000	689	573,837.5	981,893.9	1,292.80				Average	
		18+00.000	690	573,937.2	981,900.7	1,293.20				Average	
		19+00.000	691	574,037.0	981,907.4	1,293.30				Average	
		20+00.000	692	574,136.8	981,914.2	1,293.10				Average	
		21+00.000	693	574,236.5	981,920.9	1,292.70				Average	
		22+00.000	694	574,336.3	981,927.7	1,291.90				Average	
		23+00.000	695	574,436.1	981,934.4	1,290.80				Average	
		24+00.000	696	574,873.4	981,979.6	1,294.60					
SR303_SB 2nd-2	52.0	a 1381+00	697	574,875.5	982,098.9	1,294.90				Average	
		a 1379+00	698	574,675.5	982,100.6	1,295.80				Average	
		a 1377+00	699	574,475.5	982,102.3	1,297.90				Average	

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		a 1375+00	700	574,275.5	982,104.0	1,300.90				Average	
		a 1373+00	701	574,075.5	982,105.7	1,304.80				Average	
		a 1371+00	702	573,875.5	982,107.4	1,308.90				Average	
		a 1369+00	703	573,675.5	982,109.1	1,312.90				Average	
		a 1367+00	704	573,475.5	982,110.8	1,316.20				Average	
		a 1365+00	705	573,275.5	982,112.5	1,318.50				Average	Y
		a 1363+00	706	573,075.5	982,114.1	1,319.80				Average	Y
		a 1361+00	707	572,875.5	982,115.8	1,320.20				Average	Y
		a 1359+00	708	572,675.6	982,117.5	1,319.50				Average	
		a 1357+00	709	572,475.6	982,119.2	1,317.90				Average	
		a 1355+00	710	572,275.6	982,120.9	1,315.30				Average	
		a 1353+00	711	572,075.6	982,122.6	1,312.40				Average	
		a 1351+00	712	571,875.6	982,124.3	1,309.50				Average	
		a 1349+00	713	571,675.6	982,126.0	1,306.60				Average	
		a 1347+00	714	571,475.6	982,127.7	1,303.80				Average	
		a 1345+00	715	571,275.6	982,129.4	1,301.70					
SR303_SB 1st-2	50.0	a 1381+00	716	574,875.2	982,068.9	1,295.50				Average	
		a 1379+00	717	574,675.2	982,070.6	1,296.40				Average	
		a 1377+00	718	574,475.2	982,072.3	1,298.50				Average	
		a 1375+00	719	574,275.2	982,074.0	1,301.50				Average	
		a 1373+00	720	574,075.3	982,075.7	1,305.40				Average	
		a 1371+00	721	573,875.3	982,077.4	1,309.50				Average	
		a 1369+00	722	573,675.3	982,079.1	1,313.50				Average	
		a 1367+00	723	573,475.3	982,080.8	1,316.80				Average	
		a 1365+00	724	573,275.3	982,082.5	1,319.10				Average	Y
		a 1363+00	725	573,075.3	982,084.2	1,320.40				Average	Y
		a 1361+00	726	572,875.3	982,085.8	1,320.80				Average	Y
		a 1359+00	727	572,675.3	982,087.5	1,320.10				Average	
		a 1357+00	728	572,475.3	982,089.2	1,318.50				Average	
		a 1355+00	729	572,275.3	982,090.9	1,315.90				Average	
		a 1353+00	730	572,075.3	982,092.6	1,313.00				Average	
		a 1351+00	731	571,875.3	982,094.3	1,310.10				Average	
		a 1349+00	732	571,675.3	982,096.0	1,307.20				Average	
		a 1347+00	733	571,475.3	982,097.7	1,304.40				Average	
		a 1345+00	734	571,275.4	982,099.4	1,302.30					
SR303_NB 1st-2	50.0	a 1345+00	735	571,274.9	982,049.4	1,302.10				Average	
		a 1347+00	736	571,474.9	982,047.7	1,304.30				Average	
		a 1349+00	737	571,674.9	982,046.0	1,307.10				Average	
		a 1351+00	738	571,874.9	982,044.3	1,310.00				Average	

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		a 1353+00	739	572,074.9	982,042.6	1,312.90				Average	
		a 1355+00	740	572,274.9	982,040.9	1,315.80				Average	
		a 1357+00	741	572,474.9	982,039.2	1,318.40				Average	
		a 1359+00	742	572,674.9	982,037.5	1,320.00				Average	
		a 1361+00	743	572,874.9	982,035.8	1,320.70				Average	Y
		a 1363+00	744	573,074.9	982,034.2	1,320.40				Average	Y
		a 1365+00	745	573,274.9	982,032.5	1,319.00				Average	Y
		a 1367+00	746	573,474.9	982,030.8	1,316.70				Average	
		a 1369+00	747	573,674.8	982,029.1	1,313.30				Average	
		a 1371+00	748	573,874.8	982,027.4	1,309.20				Average	
		a 1373+00	749	574,074.8	982,025.7	1,305.10				Average	
		a 1375+00	750	574,274.8	982,024.0	1,301.20				Average	
		a 1377+00	751	574,474.8	982,022.3	1,298.10				Average	
		a 1379+00	752	574,674.8	982,020.6	1,296.10				Average	
		a 1381+00	753	574,874.8	982,018.9	1,295.20					
SR303_NB 2nd-2	52.0	a 1345+00	754	571,274.7	982,019.4	1,301.50				Average	
		a 1347+00	755	571,474.7	982,017.7	1,303.70				Average	
		a 1349+00	756	571,674.7	982,016.0	1,306.50				Average	
		a 1351+00	757	571,874.7	982,014.3	1,309.40				Average	
		a 1353+00	758	572,074.6	982,012.6	1,312.30				Average	
		a 1355+00	759	572,274.6	982,010.9	1,315.20				Average	
		a 1357+00	760	572,474.6	982,009.2	1,317.80				Average	
		a 1359+00	761	572,674.6	982,007.5	1,319.40				Average	
		a 1361+00	762	572,874.6	982,005.8	1,320.10				Average	Y
		a 1363+00	763	573,074.6	982,004.2	1,319.80				Average	Y
		a 1365+00	764	573,274.6	982,002.5	1,318.40				Average	Y
		a 1367+00	765	573,474.6	982,000.8	1,316.10				Average	
		a 1369+00	766	573,674.6	981,999.1	1,312.70				Average	
		a 1371+00	767	573,874.6	981,997.4	1,308.60				Average	
		a 1373+00	768	574,074.6	981,995.7	1,304.50				Average	
		a 1375+00	769	574,274.6	981,994.0	1,300.60				Average	
		a 1377+00	770	574,474.6	981,992.3	1,297.50				Average	
		a 1379+00	771	574,674.6	981,990.6	1,295.50				Average	
		a 1381+00	772	574,874.5	981,988.9	1,294.60					
HappyValleyRd_EB	36.0	point788	788	574,879.4	987,953.4	1,319.90				Average	
		point789	789	574,983.1	987,974.5	1,319.80				Average	
		point790	790	575,079.8	987,984.9	1,320.30				Average	
		point791	791	575,216.2	987,985.6	1,321.20				Average	
		point792	792	575,349.6	987,986.3	1,322.30				Average	

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		point793	793	575,480.3	987,986.9	1,323.20				Average	
		point794	794	575,621.6	987,987.2	1,324.30				Average	
		point795	795	575,769.4	987,987.1	1,325.10					
HappyValleyRd_WB	36.0	point821	821	577,041.8	988,041.9	1,326.70				Average	
		point806	806	576,787.1	988,044.0	1,326.70				Average	
		point807	807	576,558.7	988,043.5	1,326.70				Average	
		point808	808	576,240.6	988,042.7	1,327.90				Average	
		point809	809	576,022.7	988,042.3	1,326.80				Average	
		point810	810	575,844.9	988,042.7	1,326.10					
HappyValleyRd_EB-2-2	36.0	point824	824	575,844.9	987,986.4	1,325.90				Average	
		point798	798	576,042.0	987,987.7	1,327.00				Average	
		point799	799	576,266.4	987,988.0	1,327.90				Average	
		point800	800	576,470.6	987,987.8	1,327.20				Average	
		point801	801	576,730.1	987,987.5	1,327.20				Average	
		point802	802	577,043.5	987,987.6	1,327.20					
HappyValleyRd_WB-2-2	36.0	point826	826	575,769.0	988,043.8	1,325.10				Average	
		point813	813	575,486.7	988,043.8	1,323.40				Average	
		point814	814	575,284.8	988,040.1	1,322.30				Average	
		point815	815	575,130.2	988,037.2	1,321.40				Average	
		point816	816	575,035.1	988,031.0	1,320.80				Average	
		point817	817	574,952.7	988,020.3	1,320.50				Average	
		point818	818	574,867.0	988,003.6	1,320.90					
EIMirageRd_NB_out-2	24.0	point827	827	575,844.1	987,936.5	1,324.70				Average	
		point589	589	575,843.1	988,136.5	1,325.30				Average	
		point590	590	575,842.1	988,336.5	1,327.30				Average	
		point591	591	575,841.1	988,536.5	1,329.30				Average	
		point592	592	575,840.3	988,716.2	1,330.60				Average	
		point593	593	575,840.2	988,736.5	1,330.70				Average	
		point594	594	575,839.3	988,936.5	1,331.70				Average	
		point595	595	575,838.4	989,136.5	1,332.70					
EIMirageRd_NB_in-2	24.0	point828	828	575,827.6	987,936.4	1,325.00				Average	
		point430	430	575,826.6	988,136.4	1,325.60				Average	
		point431	431	575,825.6	988,336.4	1,327.60				Average	
		point432	432	575,824.6	988,536.4	1,329.60				Average	
		point433	433	575,823.8	988,716.1	1,330.90				Average	
		point434	434	575,823.7	988,736.4	1,331.00				Average	
		point435	435	575,822.8	988,936.4	1,332.00				Average	
		point436	436	575,821.9	989,136.4	1,333.00					
EIMirageRd_SB_out-2-2	24.0	point835	835	573,100.7	981,864.2	1,297.73				Average	

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		point19	19	573,110.4	981,753.5	1,297.73				Average	
		point18	18	573,116.8	981,664.9	1,297.73				Average	
		point17	17	573,122.1	981,592.2	1,297.73				Average	
		point16	16	573,129.4	981,465.3	1,297.73				Average	
		point15	15	573,130.9	981,439.2	1,297.73				Average	
		point14	14	573,136.4	981,309.3	1,297.73				Average	
		point13	13	573,137.6	981,265.5	1,297.73				Average	
		point12	12	573,141.8	981,099.4	1,297.73				Average	
		point11	11	573,141.9	981,065.5	1,297.73				Average	
		point10	10	573,142.6	980,865.5	1,297.73				Average	
		point9	9	573,142.7	980,827.3	1,297.73				Average	
		point8	8	573,142.2	980,665.5	1,297.73				Average	
		point7	7	573,141.7	980,465.5	1,297.73				Average	
		point6	6	573,141.1	980,265.5	1,297.73				Average	
		point5	5	573,140.6	980,065.5	1,297.73				Average	
		point4	4	573,140.0	979,865.5	1,297.73				Average	
		point3	3	573,139.5	979,665.5	1,297.73				Average	
		point2	2	573,139.3	979,605.1	1,297.73				Average	
		point1	1	573,139.8	979,465.5	1,297.73					
EIMirageRd_SB_in-2-2	24.0	point836	836	573,117.1	981,865.7	1,298.10				Average	
		point178	178	573,126.8	981,755.0	1,298.10				Average	
		point177	177	573,133.3	981,666.1	1,298.10				Average	
		point176	176	573,138.6	981,593.2	1,298.10				Average	
		point175	175	573,145.9	981,466.2	1,298.10				Average	
		point174	174	573,147.3	981,440.2	1,298.10				Average	
		point173	173	573,152.9	981,310.0	1,298.10				Average	
		point172	172	573,154.0	981,265.9	1,298.10				Average	
		point171	171	573,158.3	981,099.5	1,298.10				Average	
		point170	170	573,158.4	981,065.6	1,298.10				Average	
		point169	169	573,159.1	980,865.6	1,298.10				Average	
		point168	168	573,159.2	980,827.4	1,298.10				Average	
		point167	167	573,158.7	980,665.5	1,298.10				Average	
		point166	166	573,158.2	980,465.5	1,298.10				Average	
		point165	165	573,157.6	980,265.5	1,298.10				Average	
		point164	164	573,157.1	980,065.5	1,298.10				Average	
		point163	163	573,156.5	979,865.5	1,298.10				Average	
		point162	162	573,156.0	979,665.5	1,298.10				Average	
		point161	161	573,155.8	979,605.1	1,298.10				Average	
		point160	160	573,156.3	979,465.6	1,298.10					

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EIMirageRd_NB_in-2	24.0	point837	837	573,157.4	981,864.4	1,298.60				Average	
		point339	339	573,139.9	982,063.7	1,298.60				Average	
		point340	340	573,138.5	982,080.3	1,298.60				Average	
		point341	341	573,122.3	982,262.9	1,298.60					
EIMirageRd_NB_out-2	24.0	point838	838	573,173.9	981,864.5	1,297.70				Average	
		point498	498	573,156.5	982,063.7	1,297.70				Average	
		point499	499	573,154.9	982,081.7	1,297.70				Average	
		point500	500	573,138.9	982,262.9	1,297.70					
EIMirageRd_SB_out-2-2	24.0	point839	839	573,065.6	982,262.7	1,297.73				Average	
		point22	22	573,082.2	982,075.3	1,297.73				Average	
		point21	21	573,083.2	982,063.5	1,297.73				Average	
		point20	20	573,100.7	981,864.2	1,297.73					
EIMirageRd_SB_in-2-2	24.0	point840	840	573,082.1	982,264.1	1,298.10				Average	
		point181	181	573,098.6	982,076.8	1,298.10				Average	
		point180	180	573,099.7	982,064.9	1,298.10				Average	
		point179	179	573,117.1	981,865.7	1,298.10					
EIMirageRd_NB_out-2-2	24.0	point841	841	573,138.9	982,262.9	1,297.70				Average	
		point501	501	573,133.5	982,324.1	1,297.70				Average	
		point502	502	573,119.9	982,462.0	1,298.20				Average	
		point503	503	573,115.6	982,506.2	1,298.40				Average	
		point504	504	573,097.1	982,660.7	1,299.20				Average	
		point505	505	573,086.3	982,750.4	1,299.70				Average	
		point506	506	573,070.8	982,859.0	1,300.20				Average	
		point507	507	573,056.3	982,959.9	1,300.70				Average	
		point508	508	573,041.2	983,056.8	1,301.20				Average	
		point509	509	573,040.9	983,058.8	1,301.20				Average	
		point510	510	573,025.2	983,158.6	1,301.70				Average	
		point511	511	573,012.6	983,254.7	1,302.20				Average	
		point512	512	573,012.6	983,255.3	1,302.20				Average	
		point513	513	573,005.1	983,351.1	1,302.70				Average	
		point514	514	573,002.6	983,445.1	1,303.20				Average	
		point515	515	573,002.8	983,454.4	1,303.20				Average	
		point516	516	573,005.3	983,549.0	1,303.70				Average	
		point517	517	573,012.8	983,643.4	1,304.20				Average	
		point518	518	573,014.2	983,653.9	1,304.30				Average	
		point519	519	573,025.1	983,737.3	1,305.00				Average	
		point520	520	573,043.4	983,836.1	1,305.80				Average	
		point521	521	573,046.8	983,851.2	1,305.90				Average	
		point522	522	573,054.7	983,885.7	1,306.20				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point523	523	573,083.8	983,992.5	1,307.10				Average	
		point524	524	573,101.6	984,043.4	1,307.50				Average	
		point525	525	573,133.1	984,133.2	1,308.00				Average	
		point526	526	573,175.2	984,229.2	1,308.50				Average	
		point527	527	573,189.2	984,260.9	1,308.70				Average	
		point528	528	573,253.1	984,381.3	1,309.40				Average	
		point529	529	573,268.4	984,405.9	1,309.50				Average	
		point530	530	573,317.9	984,485.4	1,310.00				Average	
		point531	531	573,380.2	984,571.7	1,310.50				Average	
		point532	532	573,393.4	984,590.0	1,310.70				Average	
		point533	533	573,476.8	984,690.2	1,311.30				Average	
		point534	534	573,509.1	984,724.4	1,311.60				Average	
		point535	535	573,541.8	984,759.2	1,311.80				Average	
		point536	536	573,622.8	984,836.3	1,312.40				Average	
		point537	537	573,653.6	984,862.4	1,312.60				Average	
		point538	538	573,698.8	984,900.8	1,312.90				Average	
		point539	539	573,762.0	984,949.4	1,313.30					
EIMirageRd_NB_in-2-2	24.0	point842	842	573,122.3	982,262.9	1,298.60				Average	
		point342	342	573,117.0	982,322.5	1,298.60				Average	
		point343	343	573,103.3	982,462.0	1,299.10				Average	
		point344	344	573,099.2	982,504.4	1,299.30				Average	
		point345	345	573,080.4	982,660.7	1,299.60				Average	
		point346	346	573,069.9	982,748.3	1,300.00				Average	
		point347	347	573,054.1	982,858.9	1,300.60				Average	
		point348	348	573,040.0	982,957.5	1,301.00				Average	
		point349	349	573,024.6	983,056.3	1,301.50				Average	
		point350	350	573,024.5	983,056.7	1,301.50				Average	
		point351	351	573,008.9	983,156.2	1,302.10				Average	
		point352	352	572,996.2	983,253.6	1,302.50				Average	
		point353	353	572,996.1	983,254.6	1,302.60				Average	
		point354	354	572,988.6	983,350.3	1,303.00				Average	
		point355	355	572,986.1	983,445.1	1,303.50				Average	
		point356	356	572,986.3	983,454.3	1,303.60				Average	
		point357	357	572,988.8	983,549.8	1,304.00				Average	
		point358	358	572,996.4	983,645.1	1,304.50				Average	
		point359	359	572,997.6	983,653.9	1,304.60				Average	
		point360	360	573,008.8	983,739.9	1,305.30				Average	
		point361	361	573,027.2	983,839.4	1,306.10				Average	
		point362	362	573,029.9	983,851.2	1,306.20				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point363	363	573,038.7	983,889.8	1,306.50				Average	
		point364	364	573,068.1	983,997.4	1,307.40				Average	
		point365	365	573,084.2	984,043.5	1,307.80				Average	
		point366	366	573,117.7	984,139.2	1,308.30				Average	
		point367	367	573,157.3	984,229.5	1,308.80				Average	
		point368	368	573,174.3	984,268.1	1,309.00				Average	
		point369	369	573,238.8	984,389.6	1,309.70				Average	
		point370	370	573,249.5	984,406.8	1,309.80				Average	
		point371	371	573,304.2	984,494.6	1,310.30				Average	
		point372	372	573,360.7	984,572.9	1,310.80				Average	
		point373	373	573,380.3	984,600.1	1,311.00				Average	
		point374	374	573,464.5	984,701.1	1,311.70				Average	
		point375	375	573,488.5	984,726.6	1,311.80				Average	
		point376	376	573,530.1	984,770.8	1,312.10				Average	
		point377	377	573,611.8	984,848.5	1,312.70				Average	
		point378	378	573,632.0	984,865.7	1,312.80				Average	
		point379	379	573,688.4	984,913.6	1,313.20				Average	
		point380	380	573,752.3	984,962.7	1,313.60					
EIMirageRd_NB_out-2-2-2	24.0	point843	843	573,762.0	984,949.4	1,313.30				Average	
		point540	540	573,812.2	984,984.1	1,313.60				Average	
		point541	541	573,849.3	985,009.8	1,313.80				Average	
		point542	542	573,953.8	985,073.1	1,314.50				Average	
		point543	543	573,982.6	985,088.5	1,314.60				Average	
		point544	544	574,021.7	985,109.4	1,314.90				Average	
		point545	545	574,116.1	985,154.0	1,315.40				Average	
		point546	546	574,163.5	985,173.5	1,315.40				Average	
		point547	547	574,202.2	985,189.4	1,315.20				Average	
		point548	548	574,303.5	985,225.1	1,314.70				Average	
		point549	549	574,351.6	985,241.3	1,314.40				Average	
		point550	550	574,414.3	985,262.5	1,314.10				Average	
		point551	551	574,540.9	985,305.8	1,313.40				Average	
		point552	552	574,576.2	985,317.8	1,313.20				Average	
		point553	553	574,706.9	985,371.0	1,312.50				Average	
		point554	554	574,726.3	985,380.6	1,312.40				Average	
		point555	555	574,829.4	985,431.5	1,311.90				Average	
		point556	556	574,903.1	985,473.8	1,311.50				Average	
		point557	557	574,920.3	985,483.7	1,311.30				Average	
		point558	558	575,021.2	985,549.7	1,310.80				Average	
		point559	559	575,068.7	985,585.7	1,310.50				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point560	560	575,139.5	985,639.4	1,310.10				Average	
		point561	561	575,223.4	985,712.4	1,311.00				Average	
		point562	562	575,225.4	985,714.2	1,311.00				Average	
		point563	563	575,322.0	985,809.8	1,312.10				Average	
		point564	564	575,362.5	985,855.9	1,312.60				Average	
		point565	565	575,405.6	985,904.8	1,313.10				Average	
		point566	566	575,470.0	985,987.4	1,313.90				Average	
		point567	567	575,486.9	986,012.2	1,314.20				Average	
		point568	568	575,552.2	986,108.1	1,315.00				Average	
		point569	569	575,594.4	986,180.7	1,315.70				Average	
		point570	570	575,617.7	986,220.8	1,316.10				Average	
		point571	571	575,671.0	986,328.1	1,317.00				Average	
		point572	572	575,684.3	986,359.2	1,317.30				Average	
		point573	573	575,714.3	986,429.7	1,317.90				Average	
		point574	574	575,749.8	986,528.0	1,318.70				Average	
		point575	575	575,755.3	986,546.1	1,318.80				Average	
		point576	576	575,778.7	986,623.5	1,319.50				Average	
		point577	577	575,804.3	986,727.8	1,320.30				Average	
		point578	578	575,806.5	986,739.3	1,320.40				Average	
		point579	579	575,822.6	986,824.3	1,321.10				Average	
		point580	580	575,835.6	986,918.2	1,321.80				Average	
		point581	581	575,837.1	986,936.9	1,322.00				Average	
		point582	582	575,844.9	987,028.5	1,322.70				Average	
		point583	583	575,847.7	987,136.5	1,323.60				Average	
		point584	584	575,847.9	987,145.5	1,323.60				Average	
		point585	585	575,847.0	987,336.5	1,325.20				Average	
		point586	586	575,846.0	987,536.5	1,326.70				Average	
		point587	587	575,845.0	987,736.5	1,325.70				Average	
		point588	588	575,844.1	987,936.5	1,324.70					
EIMirageRd_NB_in-2-2-2	24.0	point844	844	573,752.3	984,962.7	1,313.60				Average	
		point381	381	573,789.6	984,988.6	1,313.80				Average	
		point382	382	573,840.3	985,023.7	1,314.20				Average	
		point383	383	573,945.6	985,087.4	1,314.80				Average	
		point384	384	573,959.1	985,094.6	1,314.90				Average	
		point385	385	574,014.3	985,124.1	1,315.20				Average	
		point386	386	574,109.4	985,169.1	1,315.70				Average	
		point387	387	574,139.2	985,181.4	1,315.80				Average	
		point388	388	574,196.3	985,204.8	1,315.50				Average	
		point389	389	574,298.1	985,240.7	1,315.00				Average	

INPUT: ROADWAYS

El Mirage Rd

	point390	390	574,326.8	985,250.4	1,314.80			Average	
	point391	391	574,409.0	985,278.1	1,314.40			Average	
	point392	392	574,516.2	985,314.7	1,313.80			Average	
	point393	393	574,570.4	985,333.3	1,313.60			Average	
	point394	394	574,700.1	985,386.1	1,312.90			Average	
	point395	395	574,702.5	985,387.3	1,312.90			Average	
	point396	396	574,821.6	985,446.1	1,312.20			Average	
	point397	397	574,879.8	985,479.5	1,311.90			Average	
	point398	398	574,911.7	985,497.8	1,311.70			Average	
	point399	399	575,011.7	985,563.2	1,311.10			Average	
	point400	400	575,046.6	985,589.6	1,310.90			Average	
	point401	401	575,129.1	985,652.2	1,310.50			Average	
	point402	402	575,201.8	985,715.5	1,311.20			Average	
	point403	403	575,214.2	985,726.3	1,311.30			Average	
	point404	404	575,310.0	985,821.2	1,312.40			Average	
	point405	405	575,342.2	985,857.8	1,312.80			Average	
	point406	406	575,392.9	985,915.3	1,313.40			Average	
	point407	407	575,456.7	985,997.1	1,314.20			Average	
	point408	408	575,467.7	986,013.3	1,314.40			Average	
	point409	409	575,538.3	986,116.9	1,315.40			Average	
	point410	410	575,575.8	986,181.5	1,316.00			Average	
	point411	411	575,603.1	986,228.6	1,316.40			Average	
	point412	412	575,656.0	986,335.0	1,317.30			Average	
	point413	413	575,666.5	986,359.5	1,317.60			Average	
	point414	414	575,698.9	986,435.7	1,318.20			Average	
	point415	415	575,734.1	986,533.2	1,319.00			Average	
	point416	416	575,738.1	986,546.2	1,319.10			Average	
	point417	417	575,762.8	986,627.9	1,319.80			Average	
	point418	418	575,788.1	986,731.3	1,320.70			Average	
	point419	419	575,789.7	986,739.3	1,320.70			Average	
	point420	420	575,806.3	986,826.9	1,321.40			Average	
	point421	421	575,819.2	986,920.1	1,322.20			Average	
	point422	422	575,820.6	986,936.8	1,322.30			Average	
	point423	423	575,828.4	987,029.4	1,323.00			Average	
	point424	424	575,831.2	987,136.4	1,323.90			Average	
	point425	425	575,831.4	987,145.7	1,324.00			Average	
	point426	426	575,830.5	987,336.4	1,325.50			Average	
	point427	427	575,829.5	987,536.4	1,327.00			Average	
	point428	428	575,828.5	987,736.4	1,326.00			Average	

INPUT: ROADWAYS
EI Mirage Rd

		point429	429	575,827.6	987,936.4	1,325.00					
EIMirageRd_SB_in-2-2	24.0	point845	845	573,722.8	984,990.5	1,313.60				Average	
		point220	220	573,663.3	984,944.7	1,313.20				Average	
		point219	219	573,585.0	984,878.3	1,312.70				Average	
		point218	218	573,570.1	984,864.1	1,312.60				Average	
		point217	217	573,501.7	984,799.1	1,312.10				Average	
		point216	216	573,434.5	984,727.7	1,311.70				Average	
		point215	215	573,430.9	984,723.3	1,311.60				Average	
		point214	214	573,348.7	984,624.6	1,311.00				Average	
		point213	213	573,307.5	984,567.5	1,310.70				Average	
		point212	212	573,271.0	984,516.9	1,310.30				Average	
		point211	211	573,204.1	984,409.6	1,309.70				Average	
		point210	210	573,199.9	984,401.8	1,309.70				Average	
		point209	209	573,138.3	984,285.5	1,309.00				Average	
		point208	208	573,111.2	984,224.0	1,308.70				Average	
		point207	207	573,080.4	984,153.9	1,308.30				Average	
		point206	206	573,040.1	984,038.6	1,307.70				Average	
		point205	205	573,029.9	984,009.3	1,307.40				Average	
		point204	204	572,999.8	983,899.5	1,306.50				Average	
		point203	203	572,988.1	983,847.6	1,306.10				Average	
		point202	202	572,988.0	983,847.5	1,306.10				Average	
		point201	201	572,969.3	983,746.1	1,305.30				Average	
		point200	200	572,956.9	983,651.6	1,304.50				Average	
		point199	199	572,956.6	983,649.3	1,304.50				Average	
		point198	198	572,948.9	983,551.9	1,304.00				Average	
		point197	197	572,946.3	983,453.7	1,303.60				Average	
		point196	196	572,946.0	983,445.0	1,303.50				Average	
		point195	195	572,948.6	983,348.2	1,303.00				Average	
		point194	194	572,955.9	983,255.7	1,302.60				Average	
		point193	193	572,956.4	983,249.4	1,302.60				Average	
		point192	192	572,969.3	983,150.5	1,302.10				Average	
		point191	191	572,983.6	983,059.0	1,301.60				Average	
		point190	190	572,985.0	983,050.1	1,301.50				Average	
		point189	189	573,000.5	982,951.5	1,301.00				Average	
		point188	188	573,013.4	982,861.0	1,300.60				Average	
		point187	187	573,030.3	982,742.9	1,300.00				Average	
		point186	186	573,040.0	982,662.4	1,299.60				Average	
		point185	185	573,059.4	982,499.9	1,298.80				Average	
		point184	184	573,063.0	982,463.4	1,298.60				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point183	183	573,077.2	982,318.9	1,298.10				Average	
		point182	182	573,082.1	982,264.1	1,298.10					
EIMirageRd_SB_out-2-2	24.0	point846	846	573,712.7	985,003.5	1,313.27				Average	
		point61	61	573,652.9	984,957.6	1,312.90				Average	
		point60	60	573,574.0	984,890.6	1,312.39				Average	
		point59	59	573,558.7	984,876.1	1,312.29				Average	
		point58	58	573,490.0	984,810.7	1,311.82				Average	
		point57	57	573,422.2	984,738.6	1,311.33				Average	
		point56	56	573,418.2	984,733.9	1,311.31				Average	
		point55	55	573,335.7	984,634.8	1,310.67				Average	
		point54	54	573,294.1	984,577.2	1,310.34				Average	
		point53	53	573,257.3	984,526.1	1,310.01				Average	
		point52	52	573,189.8	984,417.8	1,309.39				Average	
		point51	51	573,185.4	984,409.5	1,309.35				Average	
		point50	50	573,123.4	984,292.7	1,308.69				Average	
		point49	49	573,096.1	984,230.6	1,308.39				Average	
		point48	48	573,065.1	984,159.9	1,307.98				Average	
		point47	47	573,024.5	984,044.0	1,307.38				Average	
		point46	46	573,014.1	984,014.2	1,307.11				Average	
		point45	45	572,983.8	983,903.5	1,306.21				Average	
		point44	44	572,972.0	983,851.2	1,305.79				Average	
		point43	43	572,971.9	983,850.8	1,305.79				Average	
		point42	42	572,953.0	983,748.7	1,304.97				Average	
		point41	41	572,940.6	983,653.8	1,304.22				Average	
		point40	40	572,940.2	983,651.0	1,304.20				Average	
		point39	39	572,932.4	983,552.8	1,303.72				Average	
		point38	38	572,929.8	983,454.1	1,303.24				Average	
		point37	37	572,929.5	983,445.0	1,303.19				Average	
		point36	36	572,932.2	983,347.3	1,302.71				Average	
		point35	35	572,939.4	983,254.5	1,302.26				Average	
		point34	34	572,939.9	983,247.7	1,302.22				Average	
		point33	33	572,952.9	983,148.2	1,301.73				Average	
		point32	32	572,967.3	983,056.4	1,301.26				Average	
		point31	31	572,968.7	983,047.5	1,301.22				Average	
		point30	30	572,984.1	982,949.1	1,300.72				Average	
		point29	29	572,997.1	982,858.7	1,300.25				Average	
		point28	28	573,013.9	982,740.9	1,299.66				Average	
		point27	27	573,023.6	982,660.4	1,299.24				Average	
		point26	26	573,043.0	982,498.3	1,298.44				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point25	25	573,046.6	982,461.8	1,298.25				Average	
		point24	24	573,060.8	982,317.3	1,297.73				Average	
		point23	23	573,065.6	982,262.7	1,297.73					
EIMirageRd_SB_in-2-2	24.0	point850	850	575,787.1	988,036.3	1,325.30				Average	
		point270	270	575,787.6	987,936.3	1,325.00				Average	
		point269	269	575,788.5	987,736.3	1,326.00				Average	
		point268	268	575,789.5	987,536.3	1,327.00				Average	
		point267	267	575,790.5	987,336.3	1,325.50				Average	
		point266	266	575,791.4	987,145.8	1,324.00				Average	
		point265	265	575,791.1	987,135.8	1,323.90				Average	
		point264	264	575,788.5	987,032.1	1,323.00				Average	
		point263	263	575,780.3	986,935.3	1,322.20				Average	
		point262	262	575,779.4	986,924.9	1,322.20				Average	
		point261	261	575,766.8	986,833.8	1,321.40				Average	
		point260	260	575,749.1	986,740.2	1,320.70				Average	
		point259	259	575,748.0	986,735.4	1,320.60				Average	
		point258	258	575,724.3	986,638.9	1,319.80				Average	
		point257	257	575,696.0	986,545.4	1,319.00				Average	
		point256	256	575,694.4	986,541.0	1,319.00				Average	
		point255	255	575,661.8	986,450.8	1,318.20				Average	
		point254	254	575,620.7	986,354.1	1,317.40				Average	
		point253	253	575,619.9	986,352.2	1,317.30				Average	
		point252	252	575,568.1	986,248.1	1,316.40				Average	
		point251	251	575,526.1	986,175.7	1,315.70				Average	
		point250	250	575,504.1	986,137.8	1,315.40				Average	
		point249	249	575,424.0	986,020.2	1,314.20				Average	
		point248	248	575,414.1	986,007.5	1,314.10				Average	
		point247	247	575,362.4	985,941.3	1,313.40				Average	
		point246	246	575,285.1	985,853.5	1,312.50				Average	
		point245	245	575,281.2	985,849.1	1,312.40				Average	
		point244	244	575,186.6	985,755.2	1,311.30				Average	
		point243	243	575,139.0	985,713.9	1,310.80				Average	
		point242	242	575,103.4	985,682.9	1,310.40				Average	
		point241	241	574,988.1	985,595.6	1,311.10				Average	
		point240	240	574,979.4	985,589.8	1,311.10				Average	
		point239	239	574,891.1	985,532.1	1,311.70				Average	
		point238	238	574,808.3	985,484.6	1,312.20				Average	
		point237	237	574,803.3	985,481.7	1,312.20				Average	
		point236	236	574,683.1	985,422.4	1,312.90				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point235	235	574,625.3	985,398.8	1,313.20				Average	
		point234	234	574,555.9	985,370.6	1,313.60				Average	
		point233	233	574,436.7	985,329.9	1,314.20				Average	
		point232	232	574,396.2	985,316.0	1,314.40				Average	
		point231	231	574,285.0	985,278.5	1,315.00				Average	
		point230	230	574,247.5	985,265.3	1,315.20				Average	
		point229	229	574,182.1	985,242.2	1,315.50				Average	
		point228	228	574,093.2	985,205.8	1,315.70				Average	
		point227	227	574,063.5	985,191.7	1,315.60				Average	
		point226	226	573,996.3	985,159.9	1,315.20				Average	
		point225	224	573,925.8	985,122.2	1,314.80				Average	
		point224	224	573,888.2	985,099.4	1,314.60				Average	
		point223	223	573,818.6	985,057.3	1,314.20				Average	
		point222	222	573,728.7	984,995.0	1,313.60				Average	
		point221	221	573,722.8	984,990.5	1,313.60					
EIMirageRd_SB_out-2-2	24.0	point851	851	575,770.6	988,036.3	1,324.98				Average	
		point111	111	575,771.1	987,936.3	1,324.68				Average	
		point110	110	575,772.0	987,736.3	1,325.68				Average	
		point109	109	575,773.0	987,536.3	1,326.68				Average	
		point108	108	575,774.0	987,336.3	1,325.15				Average	
		point107	107	575,774.9	987,146.2	1,323.63				Average	
		point106	106	575,774.6	987,136.3	1,323.55				Average	
		point105	105	575,772.0	987,032.5	1,322.70				Average	
		point104	104	575,763.9	986,936.6	1,321.91				Average	
		point103	103	575,763.0	986,926.3	1,321.83				Average	
		point102	102	575,750.5	986,836.1	1,321.09				Average	
		point101	101	575,732.9	986,743.3	1,320.32				Average	
		point100	100	575,731.9	986,739.3	1,320.29				Average	
		point99	99	575,708.3	986,642.8	1,319.48				Average	
		point98	98	575,680.5	986,551.0	1,318.70				Average	
		point97	97	575,678.9	986,546.6	1,318.65				Average	
		point96	96	575,646.3	986,456.4	1,317.87				Average	
		point95	95	575,605.5	986,360.6	1,317.02				Average	
		point94	94	575,604.7	986,358.6	1,317.01				Average	
		point93	93	575,553.4	986,255.4	1,316.07				Average	
		point92	92	575,511.9	986,184.0	1,315.37				Average	
		point91	91	575,490.4	986,147.0	1,315.04				Average	
		point90	90	575,411.0	986,030.4	1,313.89				Average	
		point89	89	575,401.1	986,017.7	1,313.75				Average	

INPUT: ROADWAYS
EI Mirage Rd

		point88	88	575,349.4	985,951.4	1,313.08				Average	
		point87	87	575,272.7	985,864.4	1,312.13				Average	
		point86	86	575,268.8	985,860.0	1,312.08				Average	
		point85	85	575,175.7	985,767.7	1,311.01				Average	
		point84	84	575,128.2	985,726.3	1,310.48				Average	
		point83	83	575,093.5	985,696.1	1,310.12				Average	
		point82	82	574,979.1	985,609.4	1,310.76				Average	
		point81	81	574,970.4	985,603.7	1,310.80				Average	
		point80	80	574,882.1	985,546.0	1,311.35				Average	
		point79	79	574,800.1	985,498.9	1,311.83				Average	
		point78	78	574,795.1	985,496.0	1,311.86				Average	
		point77	77	574,676.9	985,437.7	1,312.53				Average	
		point76	76	574,619.1	985,414.1	1,312.83				Average	
		point75	75	574,550.6	985,386.2	1,313.23				Average	
		point74	74	574,431.3	985,345.5	1,313.86				Average	
		point73	73	574,390.8	985,331.6	1,314.08				Average	
		point72	72	574,279.7	985,294.1	1,314.66				Average	
		point71	71	574,242.1	985,280.8	1,314.87				Average	
		point70	70	574,176.2	985,257.6	1,315.20				Average	
		point69	69	574,086.6	985,220.9	1,315.39				Average	
		point68	68	574,056.5	985,206.6	1,315.24				Average	
		point67	67	573,988.9	985,174.6	1,314.86				Average	
		point66	66	573,917.7	985,136.5	1,314.47				Average	
		point65	65	573,879.6	985,113.5	1,314.27				Average	
		point64	64	573,809.6	985,071.1	1,313.85				Average	
		point63	63	573,719.0	985,008.3	1,313.31				Average	
		point62	62	573,712.7	985,003.5	1,313.27					
EIMirageRd_SB_out-2-2-2	24.0	point856	856	575,765.4	989,136.2	1,332.71				Average	
		point117	117	575,766.3	988,936.2	1,331.71				Average	
		point116	116	575,767.2	988,736.2	1,330.71				Average	
		point115	115	575,767.3	988,715.8	1,330.61				Average	
		point114	114	575,768.1	988,536.2	1,329.27				Average	
		point113	113	575,769.1	988,336.3	1,327.27				Average	
		point830	830	575,770.1	988,136.3	1,325.27				Average	
		point848	848	575,770.6	988,036.3	1,324.98					
EIMirageRd_SB_in-2-2-2-2	24.0	point858	858	575,781.9	989,136.3	1,333.00				Average	
		point276	276	575,782.8	988,936.3	1,332.00				Average	
		point275	275	575,783.7	988,736.3	1,331.00				Average	
		point274	274	575,783.8	988,715.9	1,330.90				Average	

INPUT: ROADWAYS

El Mirage Rd

		point273	273	575,784.6	988,536.3	1,329.60				Average	
		point272	272	575,785.6	988,336.3	1,327.60				Average	
		point829	829	575,786.6	988,136.3	1,325.60				Average	
		point847	847	575,787.1	988,036.3	1,325.30					

INPUT: TRAFFIC FOR LAeq1h Volumes

El Mirage Rd

AZTEC												
AZTEC												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	El Mirage Rd											
RUN:	El Mirage Rd, Build, Segment 1											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
ElMirageRd_NB_in	point319	319	1373	45	91	45	10	45	0	0	0	0
	point320	320	1373	45	91	45	10	45	0	0	0	0
	point321	321	1373	45	91	45	10	45	0	0	0	0
	point322	322	1373	45	91	45	10	45	0	0	0	0
	point323	323	1373	45	91	45	10	45	0	0	0	0
	point324	324	1373	45	91	45	10	45	0	0	0	0
	point325	325	1373	45	91	45	10	45	0	0	0	0
	point326	326	1373	45	91	45	10	45	0	0	0	0
	point327	327	1373	45	91	45	10	45	0	0	0	0
	point328	328	1373	45	91	45	10	45	0	0	0	0
	point329	329	1373	45	91	45	10	45	0	0	0	0
	point330	330	1373	45	91	45	10	45	0	0	0	0
	point331	331	1373	45	91	45	10	45	0	0	0	0
	point332	332	1373	45	91	45	10	45	0	0	0	0
	point333	333	1373	45	91	45	10	45	0	0	0	0
	point334	334	1373	45	91	45	10	45	0	0	0	0
	point335	335	1373	45	91	45	10	45	0	0	0	0
	point336	336	1373	45	91	45	10	45	0	0	0	0
	point337	337	1373	45	91	45	10	45	0	0	0	0
	point338	338										
ElMirageRd_NB_out	point478	478	1373	45	91	45	10	45	0	0	0	0
	point479	479	1373	45	91	45	10	45	0	0	0	0
	point480	480	1373	45	91	45	10	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point481	481	1373	45	91	45	10	45	0	0	0	0
	point482	482	1373	45	91	45	10	45	0	0	0	0
	point483	483	1373	45	91	45	10	45	0	0	0	0
	point484	484	1373	45	91	45	10	45	0	0	0	0
	point485	485	1373	45	91	45	10	45	0	0	0	0
	point486	486	1373	45	91	45	10	45	0	0	0	0
	point487	487	1373	45	91	45	10	45	0	0	0	0
	point488	488	1373	45	91	45	10	45	0	0	0	0
	point489	489	1373	45	91	45	10	45	0	0	0	0
	point490	490	1373	45	91	45	10	45	0	0	0	0
	point491	491	1373	45	91	45	10	45	0	0	0	0
	point492	492	1373	45	91	45	10	45	0	0	0	0
	point493	493	1373	45	91	45	10	45	0	0	0	0
	point494	494	1373	45	91	45	10	45	0	0	0	0
	point495	495	1373	45	91	45	10	45	0	0	0	0
	point496	496	1373	45	91	45	10	45	0	0	0	0
	point497	497										
EI-Mirage_SB_OnRamp	29+00.000	637	2043	50	150	50	13	50	0	0	0	0
	28+00.000	638	2043	50	150	50	13	50	0	0	0	0
	27+00.000	639	2043	50	150	50	13	50	0	0	0	0
	26+00.000	640	2043	50	150	50	13	50	0	0	0	0
	25+00.000	641	2043	50	150	50	13	50	0	0	0	0
	24+00.000	642	2043	50	150	50	13	50	0	0	0	0
	23+00.000	643	2043	50	150	50	13	50	0	0	0	0
	22+00.000	644	2043	50	150	50	13	50	0	0	0	0
	21+00.000	645	2043	50	150	50	13	50	0	0	0	0
	20+00.000	646	2043	50	150	50	13	50	0	0	0	0
	19+00.000	647	2043	50	150	50	13	50	0	0	0	0
	18+00.000	648	2043	50	150	50	13	50	0	0	0	0
	17+00.000	649	2043	50	150	50	13	50	0	0	0	0
	16+00.000	650	2043	50	150	50	13	50	0	0	0	0
	point1101	651										
EI-Mirage_NB_OffRamp	point1095	652	1966	50	129	50	13	50	0	0	0	0
	16+00.000	653	1966	50	129	50	13	50	0	0	0	0
	17+00.000	654	1966	50	129	50	13	50	0	0	0	0
	18+00.000	655	1966	50	129	50	13	50	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	19+00.000	656	1966	50	129	50	13	50	0	0	0	0
	20+00.000	657	1966	50	129	50	13	50	0	0	0	0
	21+00.000	658	1966	50	129	50	13	50	0	0	0	0
	22+00.000	659	1966	50	129	50	13	50	0	0	0	0
	23+00.000	660	1966	50	129	50	13	50	0	0	0	0
	23+86.526	661	1966	50	129	50	13	50	0	0	0	0
	24+00.000	662	1966	50	129	50	13	50	0	0	0	0
	25+00.000	663	1966	50	129	50	13	50	0	0	0	0
	26+00.000	664	1966	50	129	50	13	50	0	0	0	0
	27+00.000	665	1966	50	129	50	13	50	0	0	0	0
	28+00.000	666	1966	50	129	50	13	50	0	0	0	0
	29+00.000	667	1966	50	129	50	13	50	0	0	0	0
	29+22.194	668	1966	50	129	50	13	50	0	0	0	0
	30+00.000	669										
EI-Mirage_SB_OffRamp	23+00.000	670	459	50	35	50	6	50	0	0	0	0
	22+00.000	671	459	50	35	50	6	50	0	0	0	0
	21+00.000	672	459	50	35	50	6	50	0	0	0	0
	20+00.000	673	459	50	35	50	6	50	0	0	0	0
	19+00.000	674	459	50	35	50	6	50	0	0	0	0
	18+00.000	675	459	50	35	50	6	50	0	0	0	0
	17+00.000	676	459	50	35	50	6	50	0	0	0	0
	16+00.000	677	459	50	35	50	6	50	0	0	0	0
	15+00.000	678	459	50	35	50	6	50	0	0	0	0
	14+00.000	679	459	50	35	50	6	50	0	0	0	0
	13+00.000	680	459	50	35	50	6	50	0	0	0	0
	12+00.000	681	459	50	35	50	6	50	0	0	0	0
	point1100	682										
EI-Mirage_NB_OnRamp	point1098	683	457	50	41	50	8	50	0	0	0	0
	12+00.000	684	457	50	41	50	8	50	0	0	0	0
	13+00.000	685	457	50	41	50	8	50	0	0	0	0
	14+00.000	686	457	50	41	50	8	50	0	0	0	0
	15+00.000	687	457	50	41	50	8	50	0	0	0	0
	16+00.000	688	457	50	41	50	8	50	0	0	0	0
	17+00.000	689	457	50	41	50	8	50	0	0	0	0
	18+00.000	690	457	50	41	50	8	50	0	0	0	0
	19+00.000	691	457	50	41	50	8	50	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	20+00.000	692	457	50	41	50	8	50	0	0	0	0
	21+00.000	693	457	50	41	50	8	50	0	0	0	0
	22+00.000	694	457	50	41	50	8	50	0	0	0	0
	23+00.000	695	457	50	41	50	8	50	0	0	0	0
	24+00.000	696										
SR303_SB 2nd-2	a 1381+00.000	697	1105	70	180	70	43	70	0	0	0	0
	a 1379+00.000	698	1105	70	180	70	43	70	0	0	0	0
	a 1377+00.000	699	1105	70	180	70	43	70	0	0	0	0
	a 1375+00.000	700	1105	70	180	70	43	70	0	0	0	0
	a 1373+00.000	701	1105	70	180	70	43	70	0	0	0	0
	a 1371+00.000	702	1105	70	180	70	43	70	0	0	0	0
	a 1369+00.000	703	1105	70	180	70	43	70	0	0	0	0
	a 1367+00.000	704	1105	70	180	70	43	70	0	0	0	0
	a 1365+00.000	705	1105	70	180	70	43	70	0	0	0	0
	a 1363+00.000	706	1105	70	180	70	43	70	0	0	0	0
	a 1361+00.000	707	1105	70	180	70	43	70	0	0	0	0
	a 1359+00.000	708	1105	70	180	70	43	70	0	0	0	0
	a 1357+00.000	709	1105	70	180	70	43	70	0	0	0	0
	a 1355+00.000	710	1105	70	180	70	43	70	0	0	0	0
	a 1353+00.000	711	1105	70	180	70	43	70	0	0	0	0
	a 1351+00.000	712	1105	70	180	70	43	70	0	0	0	0
	a 1349+00.000	713	1105	70	180	70	43	70	0	0	0	0
	a 1347+00.000	714	1105	70	180	70	43	70	0	0	0	0
	a 1345+00.000	715										
SR303_SB 1st-2	a 1381+00.000	716	1105	70	180	70	43	70	0	0	0	0
	a 1379+00.000	717	1105	70	180	70	43	70	0	0	0	0
	a 1377+00.000	718	1105	70	180	70	43	70	0	0	0	0
	a 1375+00.000	719	1105	70	180	70	43	70	0	0	0	0
	a 1373+00.000	720	1105	70	180	70	43	70	0	0	0	0
	a 1371+00.000	721	1105	70	180	70	43	70	0	0	0	0
	a 1369+00.000	722	1105	70	180	70	43	70	0	0	0	0
	a 1367+00.000	723	1105	70	180	70	43	70	0	0	0	0
	a 1365+00.000	724	1105	70	180	70	43	70	0	0	0	0
	a 1363+00.000	725	1105	70	180	70	43	70	0	0	0	0
	a 1361+00.000	726	1105	70	180	70	43	70	0	0	0	0
	a 1359+00.000	727	1105	70	180	70	43	70	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	a 1357+00.00	728	1105	70	180	70	43	70	0	0	0	0
	a 1355+00.00	729	1105	70	180	70	43	70	0	0	0	0
	a 1353+00.00	730	1105	70	180	70	43	70	0	0	0	0
	a 1351+00.00	731	1105	70	180	70	43	70	0	0	0	0
	a 1349+00.00	732	1105	70	180	70	43	70	0	0	0	0
	a 1347+00.00	733	1105	70	180	70	43	70	0	0	0	0
	a 1345+00.00	734										
SR303_NB 1st-2	a 1345+00.00	735	1126	70	171	70	39	70	0	0	0	0
	a 1347+00.00	736	1126	70	171	70	39	70	0	0	0	0
	a 1349+00.00	737	1126	70	171	70	39	70	0	0	0	0
	a 1351+00.00	738	1126	70	171	70	39	70	0	0	0	0
	a 1353+00.00	739	1126	70	171	70	39	70	0	0	0	0
	a 1355+00.00	740	1126	70	171	70	39	70	0	0	0	0
	a 1357+00.00	741	1126	70	171	70	39	70	0	0	0	0
	a 1359+00.00	742	1126	70	171	70	39	70	0	0	0	0
	a 1361+00.00	743	1126	70	171	70	39	70	0	0	0	0
	a 1363+00.00	744	1126	70	171	70	39	70	0	0	0	0
	a 1365+00.00	745	1126	70	171	70	39	70	0	0	0	0
	a 1367+00.00	746	1126	70	171	70	39	70	0	0	0	0
	a 1369+00.00	747	1126	70	171	70	39	70	0	0	0	0
	a 1371+00.00	748	1126	70	171	70	39	70	0	0	0	0
	a 1373+00.00	749	1126	70	171	70	39	70	0	0	0	0
	a 1375+00.00	750	1126	70	171	70	39	70	0	0	0	0
	a 1377+00.00	751	1126	70	171	70	39	70	0	0	0	0
	a 1379+00.00	752	1126	70	171	70	39	70	0	0	0	0
	a 1381+00.00	753										
SR303_NB 2nd-2	a 1345+00.00	754	1126	70	171	70	39	70	0	0	0	0
	a 1347+00.00	755	1126	70	171	70	39	70	0	0	0	0
	a 1349+00.00	756	1126	70	171	70	39	70	0	0	0	0
	a 1351+00.00	757	1126	70	171	70	39	70	0	0	0	0
	a 1353+00.00	758	1126	70	171	70	39	70	0	0	0	0
	a 1355+00.00	759	1126	70	171	70	39	70	0	0	0	0
	a 1357+00.00	760	1126	70	171	70	39	70	0	0	0	0
	a 1359+00.00	761	1126	70	171	70	39	70	0	0	0	0
	a 1361+00.00	762	1126	70	171	70	39	70	0	0	0	0
	a 1363+00.00	763	1126	70	171	70	39	70	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	a 1365+00.00	764	1126	70	171	70	39	70	0	0	0	0
	a 1367+00.00	765	1126	70	171	70	39	70	0	0	0	0
	a 1369+00.00	766	1126	70	171	70	39	70	0	0	0	0
	a 1371+00.00	767	1126	70	171	70	39	70	0	0	0	0
	a 1373+00.00	768	1126	70	171	70	39	70	0	0	0	0
	a 1375+00.00	769	1126	70	171	70	39	70	0	0	0	0
	a 1377+00.00	770	1126	70	171	70	39	70	0	0	0	0
	a 1379+00.00	771	1126	70	171	70	39	70	0	0	0	0
	a 1381+00.00	772										
HappyValleyRd_EB	point788	788	1466	50	82	50	5	50	0	0	0	0
	point789	789	1466	50	82	50	5	50	0	0	0	0
	point790	790	1466	50	82	50	5	50	0	0	0	0
	point791	791	1466	50	82	50	5	50	0	0	0	0
	point792	792	1466	50	82	50	5	50	0	0	0	0
	point793	793	1466	50	82	50	5	50	0	0	0	0
	point794	794	1466	50	82	50	5	50	0	0	0	0
	point795	795										
HappyValleyRd_WB	point821	821	1702	50	89	50	5	50	0	0	0	0
	point806	806	1702	50	89	50	5	50	0	0	0	0
	point807	807	1702	50	89	50	5	50	0	0	0	0
	point808	808	1702	50	89	50	5	50	0	0	0	0
	point809	809	1702	50	89	50	5	50	0	0	0	0
	point810	810										
HappyValleyRd_EB-2-2	point824	824	1504	50	83	50	6	50	0	0	0	0
	point798	798	1504	50	83	50	6	50	0	0	0	0
	point799	799	1504	50	83	50	6	50	0	0	0	0
	point800	800	1504	50	83	50	6	50	0	0	0	0
	point801	801	1504	50	83	50	6	50	0	0	0	0
	point802	802										
HappyValleyRd_WB-2-2	point826	826	1560	50	82	50	4	50	0	0	0	0
	point813	813	1560	50	82	50	4	50	0	0	0	0
	point814	814	1560	50	82	50	4	50	0	0	0	0
	point815	815	1560	50	82	50	4	50	0	0	0	0
	point816	816	1560	50	82	50	4	50	0	0	0	0
	point817	817	1560	50	82	50	4	50	0	0	0	0
	point818	818										

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

EIMirageRd_NB_out-2	point827	827	452	45	25	45	2	45	0	0	0	0
	point589	589	452	45	25	45	2	45	0	0	0	0
	point590	590	452	45	25	45	2	45	0	0	0	0
	point591	591	452	45	25	45	2	45	0	0	0	0
	point592	592	452	45	25	45	2	45	0	0	0	0
	point593	593	452	45	25	45	2	45	0	0	0	0
	point594	594	452	45	25	45	2	45	0	0	0	0
	point595	595										
EIMirageRd_NB_in-2	point828	828	452	45	25	45	2	45	0	0	0	0
	point430	430	452	45	25	45	2	45	0	0	0	0
	point431	431	452	45	25	45	2	45	0	0	0	0
	point432	432	452	45	25	45	2	45	0	0	0	0
	point433	433	452	45	25	45	2	45	0	0	0	0
	point434	434	452	45	25	45	2	45	0	0	0	0
	point435	435	452	45	25	45	2	45	0	0	0	0
	point436	436										
EIMirageRd_SB_out-2-2	point835	835	1355	45	79	45	9	45	0	0	0	0
	point19	19	1355	45	79	45	9	45	0	0	0	0
	point18	18	1355	45	79	45	9	45	0	0	0	0
	point17	17	1355	45	79	45	9	45	0	0	0	0
	point16	16	1355	45	79	45	9	45	0	0	0	0
	point15	15	1355	45	79	45	9	45	0	0	0	0
	point14	14	1355	45	79	45	9	45	0	0	0	0
	point13	13	1355	45	79	45	9	45	0	0	0	0
	point12	12	1355	45	79	45	9	45	0	0	0	0
	point11	11	1355	45	79	45	9	45	0	0	0	0
	point10	10	1355	45	79	45	9	45	0	0	0	0
	point9	9	1355	45	79	45	9	45	0	0	0	0
	point8	8	1355	45	79	45	9	45	0	0	0	0
	point7	7	1355	45	79	45	9	45	0	0	0	0
	point6	6	1355	45	79	45	9	45	0	0	0	0
	point5	5	1355	45	79	45	9	45	0	0	0	0
	point4	4	1355	45	79	45	9	45	0	0	0	0
	point3	3	1355	45	79	45	9	45	0	0	0	0
	point2	2	1355	45	79	45	9	45	0	0	0	0
	point1	1										

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

EIMirageRd_SB_in-2-2	point836	836	1355	45	79	45	9	45	0	0	0	0
	point178	178	1355	45	79	45	9	45	0	0	0	0
	point177	177	1355	45	79	45	9	45	0	0	0	0
	point176	176	1355	45	79	45	9	45	0	0	0	0
	point175	175	1355	45	79	45	9	45	0	0	0	0
	point174	174	1355	45	79	45	9	45	0	0	0	0
	point173	173	1355	45	79	45	9	45	0	0	0	0
	point172	172	1355	45	79	45	9	45	0	0	0	0
	point171	171	1355	45	79	45	9	45	0	0	0	0
	point170	170	1355	45	79	45	9	45	0	0	0	0
	point169	169	1355	45	79	45	9	45	0	0	0	0
	point168	168	1355	45	79	45	9	45	0	0	0	0
	point167	167	1355	45	79	45	9	45	0	0	0	0
	point166	166	1355	45	79	45	9	45	0	0	0	0
	point165	165	1355	45	79	45	9	45	0	0	0	0
	point164	164	1355	45	79	45	9	45	0	0	0	0
	point163	163	1355	45	79	45	9	45	0	0	0	0
	point162	162	1355	45	79	45	9	45	0	0	0	0
	point161	161	1355	45	79	45	9	45	0	0	0	0
	point160	160										
EIMirageRd_NB_in-2	point837	837	1334	45	86	45	7	45	0	0	0	0
	point339	339	1334	45	86	45	7	45	0	0	0	0
	point340	340	1334	45	86	45	7	45	0	0	0	0
	point341	341										
EIMirageRd_NB_out-2	point838	838	1334	45	86	45	7	45	0	0	0	0
	point498	498	1334	45	86	45	7	45	0	0	0	0
	point499	499	1334	45	86	45	7	45	0	0	0	0
	point500	500										
EIMirageRd_SB_out-2-2	point839	839	561	45	30	45	4	45	0	0	0	0
	point22	22	561	45	30	45	4	45	0	0	0	0
	point21	21	561	45	30	45	4	45	0	0	0	0
	point20	20										
EIMirageRd_SB_in-2-2	point840	840	561	45	30	45	4	45	0	0	0	0
	point181	181	561	45	30	45	4	45	0	0	0	0
	point180	180	561	45	30	45	4	45	0	0	0	0
	point179	179										

INPUT: TRAFFIC FOR LAeq1h Volumes**EI Mirage Rd**

EIMirageRd_NB_out-2-2	point841	841	498	45	26	45	2	45	0	0	0	0
	point501	501	498	45	26	45	2	45	0	0	0	0
	point502	502	498	45	26	45	2	45	0	0	0	0
	point503	503	498	45	26	45	2	45	0	0	0	0
	point504	504	498	45	26	45	2	45	0	0	0	0
	point505	505	498	45	26	45	2	45	0	0	0	0
	point506	506	498	45	26	45	2	45	0	0	0	0
	point507	507	498	45	26	45	2	45	0	0	0	0
	point508	508	498	45	26	45	2	45	0	0	0	0
	point509	509	498	45	26	45	2	45	0	0	0	0
	point510	510	498	45	26	45	2	45	0	0	0	0
	point511	511	498	45	26	45	2	45	0	0	0	0
	point512	512	498	45	26	45	2	45	0	0	0	0
	point513	513	498	45	26	45	2	45	0	0	0	0
	point514	514	498	45	26	45	2	45	0	0	0	0
	point515	515	498	45	26	45	2	45	0	0	0	0
	point516	516	498	45	26	45	2	45	0	0	0	0
	point517	517	498	45	26	45	2	45	0	0	0	0
	point518	518	498	45	26	45	2	45	0	0	0	0
	point519	519	498	45	26	45	2	45	0	0	0	0
	point520	520	498	45	26	45	2	45	0	0	0	0
	point521	521	498	45	26	45	2	45	0	0	0	0
	point522	522	498	45	26	45	2	45	0	0	0	0
	point523	523	498	45	26	45	2	45	0	0	0	0
	point524	524	498	45	26	45	2	45	0	0	0	0
	point525	525	498	45	26	45	2	45	0	0	0	0
	point526	526	498	45	26	45	2	45	0	0	0	0
	point527	527	498	45	26	45	2	45	0	0	0	0
	point528	528	498	45	26	45	2	45	0	0	0	0
	point529	529	498	45	26	45	2	45	0	0	0	0
	point530	530	498	45	26	45	2	45	0	0	0	0
	point531	531	498	45	26	45	2	45	0	0	0	0
	point532	532	498	45	26	45	2	45	0	0	0	0
	point533	533	498	45	26	45	2	45	0	0	0	0
	point534	534	498	45	26	45	2	45	0	0	0	0
	point535	535	498	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point536	536	498	45	26	45	2	45	0	0	0	0
	point537	537	498	45	26	45	2	45	0	0	0	0
	point538	538	498	45	26	45	2	45	0	0	0	0
	point539	539										
EIMirageRd_NB_in-2-2	point842	842	498	45	26	45	2	45	0	0	0	0
	point342	342	498	45	26	45	2	45	0	0	0	0
	point343	343	498	45	26	45	2	45	0	0	0	0
	point344	344	498	45	26	45	2	45	0	0	0	0
	point345	345	498	45	26	45	2	45	0	0	0	0
	point346	346	498	45	26	45	2	45	0	0	0	0
	point347	347	498	45	26	45	2	45	0	0	0	0
	point348	348	498	45	26	45	2	45	0	0	0	0
	point349	349	498	45	26	45	2	45	0	0	0	0
	point350	350	498	45	26	45	2	45	0	0	0	0
	point351	351	498	45	26	45	2	45	0	0	0	0
	point352	352	498	45	26	45	2	45	0	0	0	0
	point353	353	498	45	26	45	2	45	0	0	0	0
	point354	354	498	45	26	45	2	45	0	0	0	0
	point355	355	498	45	26	45	2	45	0	0	0	0
	point356	356	498	45	26	45	2	45	0	0	0	0
	point357	357	498	45	26	45	2	45	0	0	0	0
	point358	358	498	45	26	45	2	45	0	0	0	0
	point359	359	498	45	26	45	2	45	0	0	0	0
	point360	360	498	45	26	45	2	45	0	0	0	0
	point361	361	498	45	26	45	2	45	0	0	0	0
	point362	362	498	45	26	45	2	45	0	0	0	0
	point363	363	498	45	26	45	2	45	0	0	0	0
	point364	364	498	45	26	45	2	45	0	0	0	0
	point365	365	498	45	26	45	2	45	0	0	0	0
	point366	366	498	45	26	45	2	45	0	0	0	0
	point367	367	498	45	26	45	2	45	0	0	0	0
	point368	368	498	45	26	45	2	45	0	0	0	0
	point369	369	498	45	26	45	2	45	0	0	0	0
	point370	370	498	45	26	45	2	45	0	0	0	0
	point371	371	498	45	26	45	2	45	0	0	0	0
	point372	372	498	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point373	373	498	45	26	45	2	45	0	0	0	0
	point374	374	498	45	26	45	2	45	0	0	0	0
	point375	375	498	45	26	45	2	45	0	0	0	0
	point376	376	498	45	26	45	2	45	0	0	0	0
	point377	377	498	45	26	45	2	45	0	0	0	0
	point378	378	498	45	26	45	2	45	0	0	0	0
	point379	379	498	45	26	45	2	45	0	0	0	0
	point380	380										
EIMirageRd_NB_out-2-2-2	point843	843	446	45	24	45	2	45	0	0	0	0
	point540	540	446	45	24	45	2	45	0	0	0	0
	point541	541	446	45	24	45	2	45	0	0	0	0
	point542	542	446	45	24	45	2	45	0	0	0	0
	point543	543	446	45	24	45	2	45	0	0	0	0
	point544	544	446	45	24	45	2	45	0	0	0	0
	point545	545	446	45	24	45	2	45	0	0	0	0
	point546	546	446	45	24	45	2	45	0	0	0	0
	point547	547	446	45	24	45	2	45	0	0	0	0
	point548	548	446	45	24	45	2	45	0	0	0	0
	point549	549	446	45	24	45	2	45	0	0	0	0
	point550	550	446	45	24	45	2	45	0	0	0	0
	point551	551	446	45	24	45	2	45	0	0	0	0
	point552	552	446	45	24	45	2	45	0	0	0	0
	point553	553	446	45	24	45	2	45	0	0	0	0
	point554	554	446	45	24	45	2	45	0	0	0	0
	point555	555	446	45	24	45	2	45	0	0	0	0
	point556	556	446	45	24	45	2	45	0	0	0	0
	point557	557	446	45	24	45	2	45	0	0	0	0
	point558	558	446	45	24	45	2	45	0	0	0	0
	point559	559	446	45	24	45	2	45	0	0	0	0
	point560	560	446	45	24	45	2	45	0	0	0	0
	point561	561	446	45	24	45	2	45	0	0	0	0
	point562	562	446	45	24	45	2	45	0	0	0	0
	point563	563	446	45	24	45	2	45	0	0	0	0
	point564	564	446	45	24	45	2	45	0	0	0	0
	point565	565	446	45	24	45	2	45	0	0	0	0
	point566	566	446	45	24	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point567	567	446	45	24	45	2	45	0	0	0	0
	point568	568	446	45	24	45	2	45	0	0	0	0
	point569	569	446	45	24	45	2	45	0	0	0	0
	point570	570	446	45	24	45	2	45	0	0	0	0
	point571	571	446	45	24	45	2	45	0	0	0	0
	point572	572	446	45	24	45	2	45	0	0	0	0
	point573	573	446	45	24	45	2	45	0	0	0	0
	point574	574	446	45	24	45	2	45	0	0	0	0
	point575	575	446	45	24	45	2	45	0	0	0	0
	point576	576	446	45	24	45	2	45	0	0	0	0
	point577	577	446	45	24	45	2	45	0	0	0	0
	point578	578	446	45	24	45	2	45	0	0	0	0
	point579	579	446	45	24	45	2	45	0	0	0	0
	point580	580	446	45	24	45	2	45	0	0	0	0
	point581	581	446	45	24	45	2	45	0	0	0	0
	point582	582	446	45	24	45	2	45	0	0	0	0
	point583	583	446	45	24	45	2	45	0	0	0	0
	point584	584	446	45	24	45	2	45	0	0	0	0
	point585	585	446	45	24	45	2	45	0	0	0	0
	point586	586	446	45	24	45	2	45	0	0	0	0
	point587	587	446	45	24	45	2	45	0	0	0	0
	point588	588										
EIMirageRd_NB_in-2-2-2	point844	844	446	45	24	45	2	45	0	0	0	0
	point381	381	446	45	24	45	2	45	0	0	0	0
	point382	382	446	45	24	45	2	45	0	0	0	0
	point383	383	446	45	24	45	2	45	0	0	0	0
	point384	384	446	45	24	45	2	45	0	0	0	0
	point385	385	446	45	24	45	2	45	0	0	0	0
	point386	386	446	45	24	45	2	45	0	0	0	0
	point387	387	446	45	24	45	2	45	0	0	0	0
	point388	388	446	45	24	45	2	45	0	0	0	0
	point389	389	446	45	24	45	2	45	0	0	0	0
	point390	390	446	45	24	45	2	45	0	0	0	0
	point391	391	446	45	24	45	2	45	0	0	0	0
	point392	392	446	45	24	45	2	45	0	0	0	0
	point393	393	446	45	24	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	point394	394	446	45	24	45	2	45	0	0	0	0
	point395	395	446	45	24	45	2	45	0	0	0	0
	point396	396	446	45	24	45	2	45	0	0	0	0
	point397	397	446	45	24	45	2	45	0	0	0	0
	point398	398	446	45	24	45	2	45	0	0	0	0
	point399	399	446	45	24	45	2	45	0	0	0	0
	point400	400	446	45	24	45	2	45	0	0	0	0
	point401	401	446	45	24	45	2	45	0	0	0	0
	point402	402	446	45	24	45	2	45	0	0	0	0
	point403	403	446	45	24	45	2	45	0	0	0	0
	point404	404	446	45	24	45	2	45	0	0	0	0
	point405	405	446	45	24	45	2	45	0	0	0	0
	point406	406	446	45	24	45	2	45	0	0	0	0
	point407	407	446	45	24	45	2	45	0	0	0	0
	point408	408	446	45	24	45	2	45	0	0	0	0
	point409	409	446	45	24	45	2	45	0	0	0	0
	point410	410	446	45	24	45	2	45	0	0	0	0
	point411	411	446	45	24	45	2	45	0	0	0	0
	point412	412	446	45	24	45	2	45	0	0	0	0
	point413	413	446	45	24	45	2	45	0	0	0	0
	point414	414	446	45	24	45	2	45	0	0	0	0
	point415	415	446	45	24	45	2	45	0	0	0	0
	point416	416	446	45	24	45	2	45	0	0	0	0
	point417	417	446	45	24	45	2	45	0	0	0	0
	point418	418	446	45	24	45	2	45	0	0	0	0
	point419	419	446	45	24	45	2	45	0	0	0	0
	point420	420	446	45	24	45	2	45	0	0	0	0
	point421	421	446	45	24	45	2	45	0	0	0	0
	point422	422	446	45	24	45	2	45	0	0	0	0
	point423	423	446	45	24	45	2	45	0	0	0	0
	point424	424	446	45	24	45	2	45	0	0	0	0
	point425	425	446	45	24	45	2	45	0	0	0	0
	point426	426	446	45	24	45	2	45	0	0	0	0
	point427	427	446	45	24	45	2	45	0	0	0	0
	point428	428	446	45	24	45	2	45	0	0	0	0
	point429	429										

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

EIMirageRd_SB_in-2-2	point845	845	517	45	28	45	3	45	0	0	0	0
	point220	220	517	45	28	45	3	45	0	0	0	0
	point219	219	517	45	28	45	3	45	0	0	0	0
	point218	218	517	45	28	45	3	45	0	0	0	0
	point217	217	517	45	28	45	3	45	0	0	0	0
	point216	216	517	45	28	45	3	45	0	0	0	0
	point215	215	517	45	28	45	3	45	0	0	0	0
	point214	214	517	45	28	45	3	45	0	0	0	0
	point213	213	517	45	28	45	3	45	0	0	0	0
	point212	212	517	45	28	45	3	45	0	0	0	0
	point211	211	517	45	28	45	3	45	0	0	0	0
	point210	210	517	45	28	45	3	45	0	0	0	0
	point209	209	517	45	28	45	3	45	0	0	0	0
	point208	208	517	45	28	45	3	45	0	0	0	0
	point207	207	517	45	28	45	3	45	0	0	0	0
	point206	206	517	45	28	45	3	45	0	0	0	0
	point205	205	517	45	28	45	3	45	0	0	0	0
	point204	204	517	45	28	45	3	45	0	0	0	0
	point203	203	517	45	28	45	3	45	0	0	0	0
	point202	202	517	45	28	45	3	45	0	0	0	0
	point201	201	517	45	28	45	3	45	0	0	0	0
	point200	200	517	45	28	45	3	45	0	0	0	0
	point199	199	517	45	28	45	3	45	0	0	0	0
	point198	198	517	45	28	45	3	45	0	0	0	0
	point197	197	517	45	28	45	3	45	0	0	0	0
	point196	196	517	45	28	45	3	45	0	0	0	0
	point195	195	517	45	28	45	3	45	0	0	0	0
	point194	194	517	45	28	45	3	45	0	0	0	0
	point193	193	517	45	28	45	3	45	0	0	0	0
	point192	192	517	45	28	45	3	45	0	0	0	0
	point191	191	517	45	28	45	3	45	0	0	0	0
	point190	190	517	45	28	45	3	45	0	0	0	0
	point189	189	517	45	28	45	3	45	0	0	0	0
	point188	188	517	45	28	45	3	45	0	0	0	0
	point187	187	517	45	28	45	3	45	0	0	0	0
	point186	186	517	45	28	45	3	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point185	185	517	45	28	45	3	45	0	0	0	0
	point184	184	517	45	28	45	3	45	0	0	0	0
	point183	183	517	45	28	45	3	45	0	0	0	0
	point182	182										
EIMirageRd_SB_out-2-2	point846	846	517	45	28	45	3	45	0	0	0	0
	point61	61	517	45	28	45	3	45	0	0	0	0
	point60	60	517	45	28	45	3	45	0	0	0	0
	point59	59	517	45	28	45	3	45	0	0	0	0
	point58	58	517	45	28	45	3	45	0	0	0	0
	point57	57	517	45	28	45	3	45	0	0	0	0
	point56	56	517	45	28	45	3	45	0	0	0	0
	point55	55	517	45	28	45	3	45	0	0	0	0
	point54	54	517	45	28	45	3	45	0	0	0	0
	point53	53	517	45	28	45	3	45	0	0	0	0
	point52	52	517	45	28	45	3	45	0	0	0	0
	point51	51	517	45	28	45	3	45	0	0	0	0
	point50	50	517	45	28	45	3	45	0	0	0	0
	point49	49	517	45	28	45	3	45	0	0	0	0
	point48	48	517	45	28	45	3	45	0	0	0	0
	point47	47	517	45	28	45	3	45	0	0	0	0
	point46	46	517	45	28	45	3	45	0	0	0	0
	point45	45	517	45	28	45	3	45	0	0	0	0
	point44	44	517	45	28	45	3	45	0	0	0	0
	point43	43	517	45	28	45	3	45	0	0	0	0
	point42	42	517	45	28	45	3	45	0	0	0	0
	point41	41	517	45	28	45	3	45	0	0	0	0
	point40	40	517	45	28	45	3	45	0	0	0	0
	point39	39	517	45	28	45	3	45	0	0	0	0
	point38	38	517	45	28	45	3	45	0	0	0	0
	point37	37	517	45	28	45	3	45	0	0	0	0
	point36	36	517	45	28	45	3	45	0	0	0	0
	point35	35	517	45	28	45	3	45	0	0	0	0
	point34	34	517	45	28	45	3	45	0	0	0	0
	point33	33	517	45	28	45	3	45	0	0	0	0
	point32	32	517	45	28	45	3	45	0	0	0	0
	point31	31	517	45	28	45	3	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point30	30	517	45	28	45	3	45	0	0	0	0
	point29	29	517	45	28	45	3	45	0	0	0	0
	point28	28	517	45	28	45	3	45	0	0	0	0
	point27	27	517	45	28	45	3	45	0	0	0	0
	point26	26	517	45	28	45	3	45	0	0	0	0
	point25	25	517	45	28	45	3	45	0	0	0	0
	point24	24	517	45	28	45	3	45	0	0	0	0
	point23	23										
EIMirageRd_SB_in-2-2	point850	850	467	45	26	45	2	45	0	0	0	0
	point270	270	467	45	26	45	2	45	0	0	0	0
	point269	269	467	45	26	45	2	45	0	0	0	0
	point268	268	467	45	26	45	2	45	0	0	0	0
	point267	267	467	45	26	45	2	45	0	0	0	0
	point266	266	467	45	26	45	2	45	0	0	0	0
	point265	265	467	45	26	45	2	45	0	0	0	0
	point264	264	467	45	26	45	2	45	0	0	0	0
	point263	263	467	45	26	45	2	45	0	0	0	0
	point262	262	467	45	26	45	2	45	0	0	0	0
	point261	261	467	45	26	45	2	45	0	0	0	0
	point260	260	467	45	26	45	2	45	0	0	0	0
	point259	259	467	45	26	45	2	45	0	0	0	0
	point258	258	467	45	26	45	2	45	0	0	0	0
	point257	257	467	45	26	45	2	45	0	0	0	0
	point256	256	467	45	26	45	2	45	0	0	0	0
	point255	255	467	45	26	45	2	45	0	0	0	0
	point254	254	467	45	26	45	2	45	0	0	0	0
	point253	253	467	45	26	45	2	45	0	0	0	0
	point252	252	467	45	26	45	2	45	0	0	0	0
	point251	251	467	45	26	45	2	45	0	0	0	0
	point250	250	467	45	26	45	2	45	0	0	0	0
	point249	249	467	45	26	45	2	45	0	0	0	0
	point248	248	467	45	26	45	2	45	0	0	0	0
	point247	247	467	45	26	45	2	45	0	0	0	0
	point246	246	467	45	26	45	2	45	0	0	0	0
	point245	245	467	45	26	45	2	45	0	0	0	0
	point244	244	467	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point243	243	467	45	26	45	2	45	0	0	0	0
	point242	242	467	45	26	45	2	45	0	0	0	0
	point241	241	467	45	26	45	2	45	0	0	0	0
	point240	240	467	45	26	45	2	45	0	0	0	0
	point239	239	467	45	26	45	2	45	0	0	0	0
	point238	238	467	45	26	45	2	45	0	0	0	0
	point237	237	467	45	26	45	2	45	0	0	0	0
	point236	236	467	45	26	45	2	45	0	0	0	0
	point235	235	467	45	26	45	2	45	0	0	0	0
	point234	234	467	45	26	45	2	45	0	0	0	0
	point233	233	467	45	26	45	2	45	0	0	0	0
	point232	232	467	45	26	45	2	45	0	0	0	0
	point231	231	467	45	26	45	2	45	0	0	0	0
	point230	230	467	45	26	45	2	45	0	0	0	0
	point229	229	467	45	26	45	2	45	0	0	0	0
	point228	228	467	45	26	45	2	45	0	0	0	0
	point227	227	467	45	26	45	2	45	0	0	0	0
	point226	226	467	45	26	45	2	45	0	0	0	0
	point225	225	467	45	26	45	2	45	0	0	0	0
	point224	224	467	45	26	45	2	45	0	0	0	0
	point223	223	467	45	26	45	2	45	0	0	0	0
	point222	222	467	45	26	45	2	45	0	0	0	0
	point221	221										
EIMirageRd_SB_out-2-2	point851	851	467	45	26	45	2	45	0	0	0	0
	point111	111	467	45	26	45	2	45	0	0	0	0
	point110	110	467	45	26	45	2	45	0	0	0	0
	point109	109	467	45	26	45	2	45	0	0	0	0
	point108	108	467	45	26	45	2	45	0	0	0	0
	point107	107	467	45	26	45	2	45	0	0	0	0
	point106	106	467	45	26	45	2	45	0	0	0	0
	point105	105	467	45	26	45	2	45	0	0	0	0
	point104	104	467	45	26	45	2	45	0	0	0	0
	point103	103	467	45	26	45	2	45	0	0	0	0
	point102	102	467	45	26	45	2	45	0	0	0	0
	point101	101	467	45	26	45	2	45	0	0	0	0
	point100	100	467	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	point99	99	467	45	26	45	2	45	0	0	0	0
	point98	98	467	45	26	45	2	45	0	0	0	0
	point97	97	467	45	26	45	2	45	0	0	0	0
	point96	96	467	45	26	45	2	45	0	0	0	0
	point95	95	467	45	26	45	2	45	0	0	0	0
	point94	94	467	45	26	45	2	45	0	0	0	0
	point93	93	467	45	26	45	2	45	0	0	0	0
	point92	92	467	45	26	45	2	45	0	0	0	0
	point91	91	467	45	26	45	2	45	0	0	0	0
	point90	90	467	45	26	45	2	45	0	0	0	0
	point89	89	467	45	26	45	2	45	0	0	0	0
	point88	88	467	45	26	45	2	45	0	0	0	0
	point87	87	467	45	26	45	2	45	0	0	0	0
	point86	86	467	45	26	45	2	45	0	0	0	0
	point85	85	467	45	26	45	2	45	0	0	0	0
	point84	84	467	45	26	45	2	45	0	0	0	0
	point83	83	467	45	26	45	2	45	0	0	0	0
	point82	82	467	45	26	45	2	45	0	0	0	0
	point81	81	467	45	26	45	2	45	0	0	0	0
	point80	80	467	45	26	45	2	45	0	0	0	0
	point79	79	467	45	26	45	2	45	0	0	0	0
	point78	78	467	45	26	45	2	45	0	0	0	0
	point77	77	467	45	26	45	2	45	0	0	0	0
	point76	76	467	45	26	45	2	45	0	0	0	0
	point75	75	467	45	26	45	2	45	0	0	0	0
	point74	74	467	45	26	45	2	45	0	0	0	0
	point73	73	467	45	26	45	2	45	0	0	0	0
	point72	72	467	45	26	45	2	45	0	0	0	0
	point71	71	467	45	26	45	2	45	0	0	0	0
	point70	70	467	45	26	45	2	45	0	0	0	0
	point69	69	467	45	26	45	2	45	0	0	0	0
	point68	68	467	45	26	45	2	45	0	0	0	0
	point67	67	467	45	26	45	2	45	0	0	0	0
	point66	66	467	45	26	45	2	45	0	0	0	0
	point65	65	467	45	26	45	2	45	0	0	0	0
	point64	64	467	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point63	63	467	45	26	45	2	45	0	0	0	0
	point62	62										
EIMirageRd_SB_out-2-2-2	point856	856	422	45	24	45	2	45	0	0	0	0
	point117	117	422	45	24	45	2	45	0	0	0	0
	point116	116	422	45	24	45	2	45	0	0	0	0
	point115	115	422	45	24	45	2	45	0	0	0	0
	point114	114	422	45	24	45	2	45	0	0	0	0
	point113	113	422	45	24	45	2	45	0	0	0	0
	point830	830	422	45	24	45	2	45	0	0	0	0
	point848	848										
EIMirageRd_SB_in-2-2-2-2	point858	858	422	45	24	45	2	45	0	0	0	0
	point276	276	422	45	24	45	2	45	0	0	0	0
	point275	275	422	45	24	45	2	45	0	0	0	0
	point274	274	422	45	24	45	2	45	0	0	0	0
	point273	273	422	45	24	45	2	45	0	0	0	0
	point272	272	422	45	24	45	2	45	0	0	0	0
	point829	829	422	45	24	45	2	45	0	0	0	0
	point847	847										

INPUT: RECEIVERS
EI Mirage Rd

AZTEC											
AZTEC											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	EI Mirage Rd										
RUN:	EI Mirage Rd, Build, Segment 1										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
E1	142	1	573,432.4	982,644.3	1,294.60	5.00	0.00	66	15.0	7.0	Y
E2	143	1	573,360.1	983,139.1	1,296.10	5.00	0.00	66	15.0	7.0	Y
E3	144	1	573,344.4	983,638.8	1,299.76	5.00	0.00	66	15.0	7.0	Y
E4	145	1	573,485.2	984,118.6	1,305.17	5.00	0.00	66	15.0	7.0	Y
E5	146	1	573,773.3	984,527.2	1,306.70	5.00	0.00	66	15.0	7.0	Y
E6	147	1	574,177.4	984,821.8	1,301.78	5.00	0.00	66	15.0	7.0	Y
E7	148	1	574,646.8	984,994.1	1,303.63	5.00	0.00	66	15.0	7.0	Y
E8	149	1	575,098.2	985,208.8	1,306.84	5.00	0.00	66	15.0	7.0	Y
E9	150	1	575,492.7	985,516.2	1,313.20	5.00	0.00	66	15.0	7.0	Y
E10	151	1	575,813.4	985,899.8	1,316.18	5.00	0.00	66	15.0	7.0	Y
E11	152	1	576,036.6	986,347.2	1,322.00	5.00	0.00	66	15.0	7.0	Y
E12	153	1	576,014.6	987,421.0	1,324.70	5.00	0.00	66	15.0	7.0	Y
W1	195	1	572,704.6	982,574.4	1,296.06	5.00	0.00	66	15.0	7.0	Y
W2	196	1	572,629.1	983,068.8	1,297.67	5.00	0.00	66	15.0	7.0	Y
W3	197	1	572,607.7	983,568.2	1,301.32	5.00	0.00	66	15.0	7.0	Y
W4	198	1	572,690.1	984,061.4	1,303.93	5.00	0.00	66	15.0	7.0	Y
W5	199	1	572,874.9	984,526.0	1,305.42	5.00	0.00	66	15.0	7.0	Y
W6	200	1	573,158.2	984,938.0	1,306.31	5.00	0.00	66	15.0	7.0	Y
W7	201	1	573,528.4	985,274.1	1,313.78	5.00	0.00	66	15.0	7.0	Y
W8	202	1	573,961.0	985,524.9	1,313.57	5.00	0.00	66	15.0	7.0	Y
W9	203	1	574,431.9	985,693.0	1,297.38	5.00	0.00	66	15.0	7.0	Y
W10	204	1	574,867.4	985,938.5	1,309.18	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS**EI Mirage Rd**

W11	205	1	575,200.9	986,311.1	1,313.78	5.00	0.00	66	15.0	7.0	Y
W12	206	1	575,380.6	986,691.9	1,316.46	5.00	0.00	66	15.0	7.0	Y
W13	207	1	575,435.8	987,267.5	1,322.26	5.00	0.00	66	15.0	7.0	Y
W14	208	1	575,433.4	987,767.5	1,321.94	5.00	0.00	66	15.0	7.0	Y
Mon1	225	1	573,312.2	981,210.6	1,326.00	5.00	0.00	66	15.0	7.0	Y
Mon2	226	1	575,449.2	986,680.8	1,316.35	5.00	0.00	66	15.0	7.0	Y

INPUT: ROADWAYS
EI Mirage Rd

AZTEC					25 July 2025						
AZTEC					TNM 2.5						
INPUT: ROADWAYS											
PROJECT/CONTRACT:	EI Mirage Rd					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA					
RUN:	EI Mirage Rd, Build, Segment 2										
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
EIMirageRd_SB_out	24.0	point159	159	575,719.5	994,616.5	1,353.32				Average	
		point158	158	575,719.5	994,535.0	1,353.32				Average	
		point157	157	575,719.6	994,335.0	1,353.32				Average	
		point156	156	575,719.7	994,135.0	1,353.32				Average	
		point155	155	575,719.7	993,935.0	1,353.32				Average	
		point154	154	575,719.8	993,735.0	1,353.32				Average	
		point153	153	575,719.9	993,535.0	1,353.32				Average	
		point152	152	575,720.0	993,335.0	1,353.32				Average	
		point151	151	575,720.1	993,135.0	1,353.32				Average	
		point150	150	575,720.1	992,935.0	1,353.32				Average	
		point149	149	575,720.2	992,735.0	1,353.46				Average	
		point148	148	575,720.3	992,535.0	1,354.87				Average	
		point147	147	575,720.3	992,439.7	1,355.54					
EIMirageRd_SB_in	24.0	point318	318	575,736.0	994,616.5	1,353.70				Average	
		point317	317	575,736.0	994,535.0	1,353.70				Average	
		point316	316	575,736.1	994,335.0	1,353.70				Average	
		point315	315	575,736.2	994,135.0	1,353.70				Average	
		point314	314	575,736.2	993,935.0	1,353.70				Average	
		point313	313	575,736.3	993,735.0	1,353.70				Average	
		point312	312	575,736.4	993,535.0	1,353.70				Average	
		point311	311	575,736.5	993,335.0	1,353.70				Average	
		point310	310	575,736.6	993,135.0	1,353.70				Average	
		point309	309	575,736.6	992,935.0	1,353.70				Average	
		point308	308	575,736.7	992,735.0	1,353.80				Average	
		point307	307	575,736.8	992,535.0	1,355.20				Average	

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		point306	306	575,736.8	992,439.6	1,355.90					
JomaxRd_WB	24.0	point773	773	574,832.4	992,464.6	1,350.70				Average	
		point774	774	574,963.4	992,463.9	1,350.90				Average	
		point775	775	575,167.8	992,463.9	1,351.70				Average	
		point776	776	575,353.2	992,464.0	1,352.30				Average	
		point777	777	575,497.1	992,464.6	1,352.80				Average	
		point778	778	575,719.6	992,463.8	1,353.20					
JomaxRd_EB	24.0	point787	787	575,716.6	992,429.0	1,352.90				Average	
		point780	780	575,522.1	992,429.9	1,353.70				Average	
		point781	781	575,392.6	992,430.7	1,354.10				Average	
		point782	782	575,254.8	992,431.5	1,353.70				Average	
		point783	783	575,071.6	992,432.5	1,353.00				Average	
		point784	784	574,922.4	992,433.4	1,352.60				Average	
		point785	785	574,832.8	992,435.6	1,351.80					
HappyValleyRd_EB	36.0	point788	788	574,879.4	987,953.4	1,319.90				Average	
		point789	789	574,983.1	987,974.5	1,319.80				Average	
		point790	790	575,079.8	987,984.9	1,320.30				Average	
		point791	791	575,216.2	987,985.6	1,321.20				Average	
		point792	792	575,349.6	987,986.3	1,322.30				Average	
		point793	793	575,480.3	987,986.9	1,323.20				Average	
		point794	794	575,621.6	987,987.2	1,324.30				Average	
		point795	795	575,769.4	987,987.1	1,325.10					
HappyValleyRd_WB	36.0	point821	821	577,041.8	988,041.9	1,326.70				Average	
		point806	806	576,787.1	988,044.0	1,326.70				Average	
		point807	807	576,558.7	988,043.5	1,326.70				Average	
		point808	808	576,240.6	988,042.7	1,327.90				Average	
		point809	809	576,022.7	988,042.3	1,326.80				Average	
		point810	810	575,844.9	988,042.7	1,326.10					
HappyValleyRd_EB-2-2	36.0	point824	824	575,844.9	987,986.4	1,325.90				Average	
		point798	798	576,042.0	987,987.7	1,327.00				Average	
		point799	799	576,266.4	987,988.0	1,327.90				Average	
		point800	800	576,470.6	987,987.8	1,327.20				Average	
		point801	801	576,730.1	987,987.5	1,327.20				Average	
		point802	802	577,043.5	987,987.6	1,327.20					
HappyValleyRd_WB-2-2	36.0	point826	826	575,769.0	988,043.8	1,325.10				Average	
		point813	813	575,486.7	988,043.8	1,323.40				Average	
		point814	814	575,284.8	988,040.1	1,322.30				Average	
		point815	815	575,130.2	988,037.2	1,321.40				Average	
		point816	816	575,035.1	988,031.0	1,320.80				Average	

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		point817	817	574,952.7	988,020.3	1,320.50				Average	
		point818	818	574,867.0	988,003.6	1,320.90					
EIMirageRd_NB_out-2	24.0	point827	827	575,844.1	987,936.5	1,324.70				Average	
		point589	589	575,843.1	988,136.5	1,325.30				Average	
		point590	590	575,842.1	988,336.5	1,327.30				Average	
		point591	591	575,841.1	988,536.5	1,329.30				Average	
		point592	592	575,840.3	988,716.2	1,330.60				Average	
		point593	593	575,840.2	988,736.5	1,330.70				Average	
		point594	594	575,839.3	988,936.5	1,331.70				Average	
		point595	595	575,838.4	989,136.5	1,332.70				Average	
		point596	596	575,837.5	989,336.5	1,333.70				Average	
		point597	597	575,836.6	989,536.5	1,334.10				Average	
		point598	598	575,836.5	989,550.2	1,334.00				Average	
		point599	599	575,835.9	989,736.5	1,333.10				Average	
		point600	600	575,835.2	989,936.5	1,332.40				Average	
		point601	601	575,834.5	990,136.5	1,333.30					
EIMirageRd_NB_in-2	24.0	point828	828	575,827.6	987,936.4	1,325.00				Average	
		point430	430	575,826.6	988,136.4	1,325.60				Average	
		point431	431	575,825.6	988,336.4	1,327.60				Average	
		point432	432	575,824.6	988,536.4	1,329.60				Average	
		point433	433	575,823.8	988,716.1	1,330.90				Average	
		point434	434	575,823.7	988,736.4	1,331.00				Average	
		point435	435	575,822.8	988,936.4	1,332.00				Average	
		point436	436	575,821.9	989,136.4	1,333.00				Average	
		point437	437	575,821.0	989,336.4	1,334.00				Average	
		point438	438	575,820.1	989,536.4	1,334.40				Average	
		point439	439	575,820.0	989,550.2	1,334.40				Average	
		point440	440	575,819.4	989,736.4	1,333.40				Average	
		point441	441	575,818.7	989,936.4	1,332.70				Average	
		point442	442	575,818.0	990,136.4	1,333.60					
EIMirageRd_NB_out-2-2	24.0	point831	831	575,793.3	992,439.5	1,355.50				Average	
		point625	625	575,793.3	992,535.2	1,354.90				Average	
		point626	626	575,793.2	992,735.2	1,353.50				Average	
		point627	627	575,793.1	992,935.2	1,353.30				Average	
		point628	628	575,793.1	993,135.2	1,353.30				Average	
		point629	629	575,793.0	993,335.2	1,353.30				Average	
		point630	630	575,792.9	993,535.2	1,353.30				Average	
		point631	631	575,792.8	993,735.2	1,353.30				Average	
		point632	632	575,792.7	993,935.2	1,353.30				Average	

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		point633	633	575,792.7	994,135.2	1,353.30				Average	
		point634	634	575,792.6	994,335.2	1,353.30				Average	
		point635	635	575,792.5	994,535.2	1,353.30				Average	
		point636	636	575,792.5	994,616.5	1,353.30					
EIMirageRd_NB_in-2-2	24.0	point832	832	575,776.8	992,439.5	1,355.90				Average	
		point466	466	575,776.8	992,535.1	1,355.20				Average	
		point467	467	575,776.7	992,735.1	1,353.80				Average	
		point468	468	575,776.6	992,935.1	1,353.70				Average	
		point469	469	575,776.6	993,135.1	1,353.70				Average	
		point470	470	575,776.5	993,335.1	1,353.70				Average	
		point471	471	575,776.4	993,535.1	1,353.70				Average	
		point472	472	575,776.3	993,735.1	1,353.70				Average	
		point473	473	575,776.2	993,935.1	1,353.70				Average	
		point474	474	575,776.2	994,135.1	1,353.70				Average	
		point475	475	575,776.1	994,335.1	1,353.70				Average	
		point476	476	575,776.0	994,535.1	1,353.70				Average	
		point477	477	575,776.0	994,616.5	1,353.70					
EIMirageRd_SB_in-2-2	24.0	point850	850	575,787.1	988,036.3	1,325.30				Average	
		point270	270	575,787.6	987,936.3	1,325.00				Average	
		point269	269	575,788.5	987,736.3	1,326.00				Average	
		point268	268	575,789.5	987,536.3	1,327.00				Average	
		point267	267	575,790.5	987,336.3	1,325.50				Average	
		point266	266	575,791.4	987,145.8	1,324.00				Average	
		point265	265	575,791.1	987,135.8	1,323.90				Average	
		point264	264	575,788.5	987,032.1	1,323.00					
EIMirageRd_SB_out-2-2	24.0	point851	851	575,770.6	988,036.3	1,324.98				Average	
		point111	111	575,771.1	987,936.3	1,324.68				Average	
		point110	110	575,772.0	987,736.3	1,325.68				Average	
		point109	109	575,773.0	987,536.3	1,326.68				Average	
		point108	108	575,774.0	987,336.3	1,325.15				Average	
		point107	107	575,774.9	987,146.2	1,323.63				Average	
		point106	106	575,774.6	987,136.3	1,323.55				Average	
		point105	105	575,772.0	987,032.5	1,322.70					
EIMirageRd_SB_in-2	24.0	point833	833	575,736.8	992,439.6	1,355.90				Average	
		point305	305	575,736.3	992,334.9	1,356.40				Average	
		point304	304	575,735.3	992,134.9	1,355.10				Average	
		point303	303	575,734.9	992,059.4	1,353.80				Average	
		point302	302	575,735.6	991,968.9	1,351.70				Average	
		point301	301	575,736.5	991,935.4	1,350.80				Average	

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		point300	300	575,737.2	991,910.3	1,350.00				Average	
		point299	299	575,740.0	991,846.9	1,348.10				Average	
		point298	298	575,744.6	991,772.6	1,345.90				Average	
		point297	297	575,747.5	991,736.6	1,345.00				Average	
		point296	296	575,751.3	991,689.3	1,343.90				Average	
		point295	295	575,757.8	991,609.6	1,342.30				Average	
		point294	294	575,763.6	991,537.3	1,341.10				Average	
		point293	293	575,764.9	991,521.3	1,340.90				Average	
		point292	292	575,770.4	991,425.1	1,339.80				Average	
		point291	291	575,773.0	991,336.7	1,339.20				Average	
		point290	290	575,773.6	991,316.3	1,339.10				Average	
		point289	289	575,774.2	991,228.5	1,338.60				Average	
		point288	288	575,774.5	991,136.3	1,338.10				Average	
		point287	287	575,775.2	990,936.3	1,337.20				Average	
		point286	286	575,775.9	990,736.3	1,336.30				Average	
		point285	285	575,776.6	990,536.3	1,335.40				Average	
		point284	284	575,777.3	990,336.3	1,334.50				Average	
		point283	283	575,778.0	990,136.3	1,333.60					
EIMirageRd_SB_out-2	24.0	point834	834	575,720.3	992,439.7	1,355.54				Average	
		point146	146	575,719.8	992,335.0	1,356.05				Average	
		point145	145	575,718.8	992,135.0	1,354.76				Average	
		point144	144	575,718.4	992,059.3	1,353.48				Average	
		point143	143	575,719.1	991,968.6	1,351.40				Average	
		point142	142	575,720.0	991,935.0	1,350.47				Average	
		point141	141	575,720.7	991,909.7	1,349.71				Average	
		point140	140	575,723.5	991,846.0	1,347.72				Average	
		point139	139	575,728.1	991,771.5	1,345.62				Average	
		point138	138	575,731.0	991,735.3	1,344.70				Average	
		point137	137	575,734.8	991,688.0	1,343.58				Average	
		point136	136	575,741.4	991,608.3	1,341.97				Average	
		point135	135	575,747.1	991,536.0	1,340.79				Average	
		point134	134	575,748.4	991,520.0	1,340.57				Average	
		point133	133	575,753.9	991,424.1	1,339.50				Average	
		point132	132	575,756.5	991,336.2	1,338.92				Average	
		point131	131	575,757.1	991,316.1	1,338.81				Average	
		point130	130	575,757.7	991,228.4	1,338.31				Average	
		point129	129	575,758.0	991,136.2	1,337.82				Average	
		point128	128	575,758.7	990,936.2	1,336.91				Average	
		point127	127	575,759.4	990,736.2	1,336.01				Average	

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		point126	126	575,760.1	990,536.2	1,335.10				Average	
		point125	125	575,760.8	990,336.2	1,334.20				Average	
		point124	124	575,761.5	990,136.2	1,333.29					
EIMirageRd_NB_out-2-2	24.0	point852	852	575,834.5	990,136.5	1,333.30				Average	
		point602	602	575,833.8	990,336.5	1,334.20				Average	
		point603	603	575,833.1	990,536.5	1,335.10				Average	
		point604	604	575,832.4	990,736.5	1,336.00				Average	
		point605	605	575,831.7	990,936.5	1,336.90				Average	
		point606	606	575,831.0	991,136.5	1,337.80				Average	
		point607	607	575,830.7	991,228.7	1,338.30				Average	
		point608	608	575,830.1	991,317.5	1,338.80				Average	
		point609	609	575,829.6	991,336.4	1,338.90				Average	
		point610	610	575,826.9	991,427.3	1,339.50				Average	
		point611	611	575,821.2	991,525.0	1,340.60				Average	
		point612	612	575,820.4	991,536.2	1,340.70				Average	
		point613	613	575,814.1	991,614.2	1,342.00				Average	
		point614	614	575,807.6	991,693.9	1,343.60				Average	
		point615	615	575,804.2	991,735.6	1,344.60				Average	
		point616	616	575,800.9	991,776.7	1,345.60				Average	
		point617	617	575,796.4	991,849.9	1,347.70				Average	
		point618	618	575,793.7	991,912.3	1,349.70				Average	
		point619	619	575,793.0	991,935.2	1,350.40				Average	
		point620	620	575,792.1	991,969.8	1,351.40				Average	
		point621	621	575,791.4	992,059.4	1,353.50				Average	
		point622	622	575,791.8	992,135.2	1,354.80				Average	
		point623	623	575,792.8	992,335.2	1,356.10				Average	
		point624	624	575,793.3	992,439.5	1,355.50					
EIMirageRd_NB_in-2-2	24.0	point853	853	575,818.0	990,136.4	1,333.60				Average	
		point443	443	575,817.3	990,336.4	1,334.50				Average	
		point444	444	575,816.6	990,536.4	1,335.40				Average	
		point445	445	575,815.9	990,736.4	1,336.30				Average	
		point446	446	575,815.2	990,936.4	1,337.20				Average	
		point447	447	575,814.5	991,136.4	1,338.10				Average	
		point448	448	575,814.2	991,228.7	1,338.60				Average	
		point449	449	575,813.6	991,317.2	1,339.10				Average	
		point450	450	575,813.1	991,336.4	1,339.20				Average	
		point451	451	575,810.4	991,426.6	1,339.80				Average	
		point452	452	575,804.8	991,523.9	1,340.90				Average	
		point453	453	575,803.8	991,536.2	1,341.10				Average	

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		point454	454	575,797.7	991,612.9	1,342.30				Average	
		point455	455	575,791.1	991,692.5	1,343.90				Average	
		point456	456	575,787.7	991,735.5	1,344.90				Average	
		point457	457	575,784.5	991,775.5	1,345.90				Average	
		point458	458	575,779.9	991,849.0	1,348.10				Average	
		point459	459	575,777.2	991,911.7	1,350.00				Average	
		point460	460	575,776.5	991,935.2	1,350.80				Average	
		point461	461	575,775.6	991,969.6	1,351.70				Average	
		point462	462	575,774.9	992,059.4	1,353.80				Average	
		point463	463	575,775.3	992,135.1	1,355.10				Average	
		point464	464	575,776.3	992,335.1	1,356.40				Average	
		point465	465	575,776.8	992,439.5	1,355.90					
EIMirageRd_SB_in-2-2	24.0	point854	854	575,778.0	990,136.3	1,333.60				Average	
		point282	282	575,778.7	989,936.3	1,332.70				Average	
		point281	281	575,779.4	989,736.3	1,333.40				Average	
		point280	280	575,780.0	989,550.0	1,334.40				Average	
		point279	279	575,780.1	989,536.3	1,334.40				Average	
		point278	278	575,781.0	989,336.3	1,334.00				Average	
		point277	277	575,781.9	989,136.3	1,333.00				Average	
		point276	276	575,782.8	988,936.3	1,332.00				Average	
		point275	275	575,783.7	988,736.3	1,331.00				Average	
		point274	274	575,783.8	988,715.9	1,330.90				Average	
		point273	273	575,784.6	988,536.3	1,329.60				Average	
		point272	272	575,785.6	988,336.3	1,327.60				Average	
		point829	829	575,786.6	988,136.3	1,325.60				Average	
		point847	847	575,787.1	988,036.3	1,325.30					
EIMirageRd_SB_out-2-2	24.0	point855	855	575,761.5	990,136.2	1,333.29				Average	
		point123	123	575,762.2	989,936.2	1,332.39				Average	
		point122	122	575,762.9	989,736.2	1,333.11				Average	
		point121	121	575,763.5	989,550.0	1,334.04				Average	
		point120	120	575,763.6	989,536.2	1,334.11				Average	
		point119	119	575,764.5	989,336.2	1,333.71				Average	
		point118	118	575,765.4	989,136.2	1,332.71				Average	
		point117	117	575,766.3	988,936.2	1,331.71				Average	
		point116	116	575,767.2	988,736.2	1,330.71				Average	
		point115	115	575,767.3	988,715.8	1,330.61				Average	
		point114	114	575,768.1	988,536.2	1,329.27				Average	
		point113	113	575,769.1	988,336.3	1,327.27				Average	
		point830	830	575,770.1	988,136.3	1,325.27				Average	

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		point848	848	575,770.6	988,036.3	1,324.98					
EIMirageRd_NB_in-2-2-2-2	24.0	point858	858	575,828.4	987,029.4	1,323.00				Average	
		point424	424	575,831.2	987,136.4	1,323.90				Average	
		point425	425	575,831.4	987,145.7	1,324.00				Average	
		point426	426	575,830.5	987,336.4	1,325.50				Average	
		point427	427	575,829.5	987,536.4	1,327.00				Average	
		point428	428	575,828.5	987,736.4	1,326.00				Average	
		point429	429	575,827.6	987,936.4	1,325.00					
EIMirageRd_NB_out-2-2-2-2	24.0	point859	859	575,844.9	987,028.5	1,322.70				Average	
		point583	583	575,847.7	987,136.5	1,323.60				Average	
		point584	584	575,847.9	987,145.5	1,323.60				Average	
		point585	585	575,847.0	987,336.5	1,325.20				Average	
		point586	586	575,846.0	987,536.5	1,326.70				Average	
		point587	587	575,845.0	987,736.5	1,325.70				Average	
		point588	588	575,844.1	987,936.5	1,324.70					

INPUT: TRAFFIC FOR LAeq1h Volumes

El Mirage Rd

AZTEC												
AZTEC												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	El Mirage Rd											
RUN:	El Mirage Rd, Build, Segment 2											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
ElMirageRd_SB_out	point159	159	563	45	25	45	2	45	0	0	0	0
	point158	158	563	45	25	45	2	45	0	0	0	0
	point157	157	563	45	25	45	2	45	0	0	0	0
	point156	156	563	45	25	45	2	45	0	0	0	0
	point155	155	563	45	25	45	2	45	0	0	0	0
	point154	154	563	45	25	45	2	45	0	0	0	0
	point153	153	563	45	25	45	2	45	0	0	0	0
	point152	152	563	45	25	45	2	45	0	0	0	0
	point151	151	563	45	25	45	2	45	0	0	0	0
	point150	150	563	45	25	45	2	45	0	0	0	0
	point149	149	563	45	25	45	2	45	0	0	0	0
	point148	148	563	45	25	45	2	45	0	0	0	0
	point147	147										
ElMirageRd_SB_in	point318	318	563	45	25	45	2	45	0	0	0	0
	point317	317	563	45	25	45	2	45	0	0	0	0
	point316	316	563	45	25	45	2	45	0	0	0	0
	point315	315	563	45	25	45	2	45	0	0	0	0
	point314	314	563	45	25	45	2	45	0	0	0	0
	point313	313	563	45	25	45	2	45	0	0	0	0
	point312	312	563	45	25	45	2	45	0	0	0	0
	point311	311	563	45	25	45	2	45	0	0	0	0
	point310	310	563	45	25	45	2	45	0	0	0	0
	point309	309	563	45	25	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	point308	308	563	45	25	45	2	45	0	0	0	0
	point307	307	563	45	25	45	2	45	0	0	0	0
	point306	306										
JomaxRd_WB	point773	773	1151	30	46	30	3	30	0	0	0	0
	point774	774	1151	30	46	30	3	30	0	0	0	0
	point775	775	1151	30	46	30	3	30	0	0	0	0
	point776	776	1151	30	46	30	3	30	0	0	0	0
	point777	777	1151	30	46	30	3	30	0	0	0	0
	point778	778										
JomaxRd_EB	point787	787	1187	30	45	30	3	30	0	0	0	0
	point780	780	1187	30	45	30	3	30	0	0	0	0
	point781	781	1187	30	45	30	3	30	0	0	0	0
	point782	782	1187	30	45	30	3	30	0	0	0	0
	point783	783	1187	30	45	30	3	30	0	0	0	0
	point784	784	1187	30	45	30	3	30	0	0	0	0
	point785	785										
HappyValleyRd_EB	point788	788	1466	50	82	50	5	50	0	0	0	0
	point789	789	1466	50	82	50	5	50	0	0	0	0
	point790	790	1466	50	82	50	5	50	0	0	0	0
	point791	791	1466	50	82	50	5	50	0	0	0	0
	point792	792	1466	50	82	50	5	50	0	0	0	0
	point793	793	1466	50	82	50	5	50	0	0	0	0
	point794	794	1466	50	82	50	5	50	0	0	0	0
	point795	795										
HappyValleyRd_WB	point821	821	1702	50	89	50	5	50	0	0	0	0
	point806	806	1702	50	89	50	5	50	0	0	0	0
	point807	807	1702	50	89	50	5	50	0	0	0	0
	point808	808	1702	50	89	50	5	50	0	0	0	0
	point809	809	1702	50	89	50	5	50	0	0	0	0
	point810	810										
HappyValleyRd_EB-2-2	point824	824	1504	50	83	50	6	50	0	0	0	0
	point798	798	1504	50	83	50	6	50	0	0	0	0
	point799	799	1504	50	83	50	6	50	0	0	0	0
	point800	800	1504	50	83	50	6	50	0	0	0	0
	point801	801	1504	50	83	50	6	50	0	0	0	0
	point802	802										

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

HappyValleyRd_WB-2-2	point826	826	1560	50	82	50	4	50	0	0	0	0
	point813	813	1560	50	82	50	4	50	0	0	0	0
	point814	814	1560	50	82	50	4	50	0	0	0	0
	point815	815	1560	50	82	50	4	50	0	0	0	0
	point816	816	1560	50	82	50	4	50	0	0	0	0
	point817	817	1560	50	82	50	4	50	0	0	0	0
	point818	818										
ElMirageRd_NB_out-2	point827	827	452	45	25	45	2	45	0	0	0	0
	point589	589	452	45	25	45	2	45	0	0	0	0
	point590	590	452	45	25	45	2	45	0	0	0	0
	point591	591	452	45	25	45	2	45	0	0	0	0
	point592	592	452	45	25	45	2	45	0	0	0	0
	point593	593	452	45	25	45	2	45	0	0	0	0
	point594	594	452	45	25	45	2	45	0	0	0	0
	point595	595	452	45	25	45	2	45	0	0	0	0
	point596	596	452	45	25	45	2	45	0	0	0	0
	point597	597	452	45	25	45	2	45	0	0	0	0
	point598	598	452	45	25	45	2	45	0	0	0	0
	point599	599	452	45	25	45	2	45	0	0	0	0
	point600	600	452	45	25	45	2	45	0	0	0	0
	point601	601										
ElMirageRd_NB_in-2	point828	828	452	45	25	45	2	45	0	0	0	0
	point430	430	452	45	25	45	2	45	0	0	0	0
	point431	431	452	45	25	45	2	45	0	0	0	0
	point432	432	452	45	25	45	2	45	0	0	0	0
	point433	433	452	45	25	45	2	45	0	0	0	0
	point434	434	452	45	25	45	2	45	0	0	0	0
	point435	435	452	45	25	45	2	45	0	0	0	0
	point436	436	452	45	25	45	2	45	0	0	0	0
	point437	437	452	45	25	45	2	45	0	0	0	0
	point438	438	452	45	25	45	2	45	0	0	0	0
	point439	439	452	45	25	45	2	45	0	0	0	0
	point440	440	452	45	25	45	2	45	0	0	0	0
	point441	441	452	45	25	45	2	45	0	0	0	0
	point442	442										
ElMirageRd_NB_out-2-2	point831	831	554	45	25	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point625	625	554	45	25	45	2	45	0	0	0	0
	point626	626	554	45	25	45	2	45	0	0	0	0
	point627	627	554	45	25	45	2	45	0	0	0	0
	point628	628	554	45	25	45	2	45	0	0	0	0
	point629	629	554	45	25	45	2	45	0	0	0	0
	point630	630	554	45	25	45	2	45	0	0	0	0
	point631	631	554	45	25	45	2	45	0	0	0	0
	point632	632	554	45	25	45	2	45	0	0	0	0
	point633	633	554	45	25	45	2	45	0	0	0	0
	point634	634	554	45	25	45	2	45	0	0	0	0
	point635	635	554	45	25	45	2	45	0	0	0	0
	point636	636										
EIMirageRd_NB_in-2-2	point832	832	554	45	25	45	2	45	0	0	0	0
	point466	466	554	45	25	45	2	45	0	0	0	0
	point467	467	554	45	25	45	2	45	0	0	0	0
	point468	468	554	45	25	45	2	45	0	0	0	0
	point469	469	554	45	25	45	2	45	0	0	0	0
	point470	470	554	45	25	45	2	45	0	0	0	0
	point471	471	554	45	25	45	2	45	0	0	0	0
	point472	472	554	45	25	45	2	45	0	0	0	0
	point473	473	554	45	25	45	2	45	0	0	0	0
	point474	474	554	45	25	45	2	45	0	0	0	0
	point475	475	554	45	25	45	2	45	0	0	0	0
	point476	476	554	45	25	45	2	45	0	0	0	0
	point477	477										
EIMirageRd_SB_in-2-2	point850	850	467	45	26	45	2	45	0	0	0	0
	point270	270	467	45	26	45	2	45	0	0	0	0
	point269	269	467	45	26	45	2	45	0	0	0	0
	point268	268	467	45	26	45	2	45	0	0	0	0
	point267	267	467	45	26	45	2	45	0	0	0	0
	point266	266	467	45	26	45	2	45	0	0	0	0
	point265	265	467	45	26	45	2	45	0	0	0	0
	point264	264										
EIMirageRd_SB_out-2-2	point851	851	467	45	26	45	2	45	0	0	0	0
	point111	111	467	45	26	45	2	45	0	0	0	0
	point110	110	467	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point109	109	467	45	26	45	2	45	0	0	0	0
	point108	108	467	45	26	45	2	45	0	0	0	0
	point107	107	467	45	26	45	2	45	0	0	0	0
	point106	106	467	45	26	45	2	45	0	0	0	0
	point105	105										
EIMirageRd_SB_in-2	point833	833	626	45	25	45	2	45	0	0	0	0
	point305	305	626	45	25	45	2	45	0	0	0	0
	point304	304	626	45	25	45	2	45	0	0	0	0
	point303	303	626	45	25	45	2	45	0	0	0	0
	point302	302	626	45	25	45	2	45	0	0	0	0
	point301	301	626	45	25	45	2	45	0	0	0	0
	point300	300	626	45	25	45	2	45	0	0	0	0
	point299	299	626	45	25	45	2	45	0	0	0	0
	point298	298	626	45	25	45	2	45	0	0	0	0
	point297	297	626	45	25	45	2	45	0	0	0	0
	point296	296	626	45	25	45	2	45	0	0	0	0
	point295	295	626	45	25	45	2	45	0	0	0	0
	point294	294	626	45	25	45	2	45	0	0	0	0
	point293	293	626	45	25	45	2	45	0	0	0	0
	point292	292	626	45	25	45	2	45	0	0	0	0
	point291	291	626	45	25	45	2	45	0	0	0	0
	point290	290	626	45	25	45	2	45	0	0	0	0
	point289	289	626	45	25	45	2	45	0	0	0	0
	point288	288	626	45	25	45	2	45	0	0	0	0
	point287	287	626	45	25	45	2	45	0	0	0	0
	point286	286	626	45	25	45	2	45	0	0	0	0
	point285	285	626	45	25	45	2	45	0	0	0	0
	point284	284	626	45	25	45	2	45	0	0	0	0
	point283	283										
EIMirageRd_SB_out-2	point834	834	626	45	25	45	2	45	0	0	0	0
	point146	146	626	45	25	45	2	45	0	0	0	0
	point145	145	626	45	25	45	2	45	0	0	0	0
	point144	144	626	45	25	45	2	45	0	0	0	0
	point143	143	626	45	25	45	2	45	0	0	0	0
	point142	142	626	45	25	45	2	45	0	0	0	0
	point141	141	626	45	25	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point140	140	626	45	25	45	2	45	0	0	0	0
	point139	139	626	45	25	45	2	45	0	0	0	0
	point138	138	626	45	25	45	2	45	0	0	0	0
	point137	137	626	45	25	45	2	45	0	0	0	0
	point136	136	626	45	25	45	2	45	0	0	0	0
	point135	135	626	45	25	45	2	45	0	0	0	0
	point134	134	626	45	25	45	2	45	0	0	0	0
	point133	133	626	45	25	45	2	45	0	0	0	0
	point132	132	626	45	25	45	2	45	0	0	0	0
	point131	131	626	45	25	45	2	45	0	0	0	0
	point130	130	626	45	25	45	2	45	0	0	0	0
	point129	129	626	45	25	45	2	45	0	0	0	0
	point128	128	626	45	25	45	2	45	0	0	0	0
	point127	127	626	45	25	45	2	45	0	0	0	0
	point126	126	626	45	25	45	2	45	0	0	0	0
	point125	125	626	45	25	45	2	45	0	0	0	0
	point124	124										
EIMirageRd_NB_out-2-2	point852	852	645	45	26	45	2	45	0	0	0	0
	point602	602	645	45	26	45	2	45	0	0	0	0
	point603	603	645	45	26	45	2	45	0	0	0	0
	point604	604	645	45	26	45	2	45	0	0	0	0
	point605	605	645	45	26	45	2	45	0	0	0	0
	point606	606	645	45	26	45	2	45	0	0	0	0
	point607	607	645	45	26	45	2	45	0	0	0	0
	point608	608	645	45	26	45	2	45	0	0	0	0
	point609	609	645	45	26	45	2	45	0	0	0	0
	point610	610	645	45	26	45	2	45	0	0	0	0
	point611	611	645	45	26	45	2	45	0	0	0	0
	point612	612	645	45	26	45	2	45	0	0	0	0
	point613	613	645	45	26	45	2	45	0	0	0	0
	point614	614	645	45	26	45	2	45	0	0	0	0
	point615	615	645	45	26	45	2	45	0	0	0	0
	point616	616	645	45	26	45	2	45	0	0	0	0
	point617	617	645	45	26	45	2	45	0	0	0	0
	point618	618	645	45	26	45	2	45	0	0	0	0
	point619	619	645	45	26	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
EI Mirage Rd

	point620	620	645	45	26	45	2	45	0	0	0	0
	point621	621	645	45	26	45	2	45	0	0	0	0
	point622	622	645	45	26	45	2	45	0	0	0	0
	point623	623	645	45	26	45	2	45	0	0	0	0
	point624	624										
EIMirageRd_NB_in-2-2	point853	853	645	45	26	45	2	45	0	0	0	0
	point443	443	645	45	26	45	2	45	0	0	0	0
	point444	444	645	45	26	45	2	45	0	0	0	0
	point445	445	645	45	26	45	2	45	0	0	0	0
	point446	446	645	45	26	45	2	45	0	0	0	0
	point447	447	645	45	26	45	2	45	0	0	0	0
	point448	448	645	45	26	45	2	45	0	0	0	0
	point449	449	645	45	26	45	2	45	0	0	0	0
	point450	450	645	45	26	45	2	45	0	0	0	0
	point451	451	645	45	26	45	2	45	0	0	0	0
	point452	452	645	45	26	45	2	45	0	0	0	0
	point453	453	645	45	26	45	2	45	0	0	0	0
	point454	454	645	45	26	45	2	45	0	0	0	0
	point455	455	645	45	26	45	2	45	0	0	0	0
	point456	456	645	45	26	45	2	45	0	0	0	0
	point457	457	645	45	26	45	2	45	0	0	0	0
	point458	458	645	45	26	45	2	45	0	0	0	0
	point459	459	645	45	26	45	2	45	0	0	0	0
	point460	460	645	45	26	45	2	45	0	0	0	0
	point461	461	645	45	26	45	2	45	0	0	0	0
	point462	462	645	45	26	45	2	45	0	0	0	0
	point463	463	645	45	26	45	2	45	0	0	0	0
	point464	464	645	45	26	45	2	45	0	0	0	0
	point465	465										
EIMirageRd_SB_in-2-2	point854	854	422	45	24	45	2	45	0	0	0	0
	point282	282	422	45	24	45	2	45	0	0	0	0
	point281	281	422	45	24	45	2	45	0	0	0	0
	point280	280	422	45	24	45	2	45	0	0	0	0
	point279	279	422	45	24	45	2	45	0	0	0	0
	point278	278	422	45	24	45	2	45	0	0	0	0
	point277	277	422	45	24	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
El Mirage Rd

	point276	276	422	45	24	45	2	45	0	0	0	0
	point275	275	422	45	24	45	2	45	0	0	0	0
	point274	274	422	45	24	45	2	45	0	0	0	0
	point273	273	422	45	24	45	2	45	0	0	0	0
	point272	272	422	45	24	45	2	45	0	0	0	0
	point829	829	422	45	24	45	2	45	0	0	0	0
	point847	847										
ElMirageRd_SB_out-2-2	point855	855	422	45	24	45	2	45	0	0	0	0
	point123	123	422	45	24	45	2	45	0	0	0	0
	point122	122	422	45	24	45	2	45	0	0	0	0
	point121	121	422	45	24	45	2	45	0	0	0	0
	point120	120	422	45	24	45	2	45	0	0	0	0
	point119	119	422	45	24	45	2	45	0	0	0	0
	point118	118	422	45	24	45	2	45	0	0	0	0
	point117	117	422	45	24	45	2	45	0	0	0	0
	point116	116	422	45	24	45	2	45	0	0	0	0
	point115	115	422	45	24	45	2	45	0	0	0	0
	point114	114	422	45	24	45	2	45	0	0	0	0
	point113	113	422	45	24	45	2	45	0	0	0	0
	point830	830	422	45	24	45	2	45	0	0	0	0
	point848	848										
ElMirageRd_NB_in-2-2-2-2	point858	858	446	45	24	45	2	45	0	0	0	0
	point424	424	446	45	24	45	2	45	0	0	0	0
	point425	425	446	45	24	45	2	45	0	0	0	0
	point426	426	446	45	24	45	2	45	0	0	0	0
	point427	427	446	45	24	45	2	45	0	0	0	0
	point428	428	446	45	24	45	2	45	0	0	0	0
	point429	429										
ElMirageRd_NB_out-2-2-2-2	point859	859	446	45	24	45	2	45	0	0	0	0
	point583	583	446	45	24	45	2	45	0	0	0	0
	point584	584	446	45	24	45	2	45	0	0	0	0
	point585	585	446	45	24	45	2	45	0	0	0	0
	point586	586	446	45	24	45	2	45	0	0	0	0
	point587	587	446	45	24	45	2	45	0	0	0	0
	point588	588										

INPUT: BARRIERS

El Mirage Rd

AZTEC					25 July 2025														
AZTEC					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:		El Mirage Rd																	
RUN:		El Mirage Rd, Build, Segment 2																	
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl		Name	No.	Coordinates (bottom)			Height	Segment			
		Min	Max	\$ per Unit Area	\$ per Unit Vol.	Top Width	Run:Rise	\$ per Unit Length				X	Y	Z	at Point	Seg Ht	Perturbs	On	Important
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft				ft	ft	ft	ft	ft	#Up	#Dn	Reflec-tions?
PW1	W	0.00	99.99	0.00				0.00		point1	1	576,985.4	988,091.3	1,329.00	6.00	0.00	0	0	
										point2	2	576,718.0	988,195.5	1,329.00	6.00	0.00	0	0	
										point3	3	576,633.4	988,217.0	1,329.26	6.00	0.00	0	0	
										point4	4	576,586.9	988,222.8	1,327.87	6.00	0.00	0	0	
										point5	5	576,588.8	988,276.3	1,327.87	6.00				
PW3	W	0.00	99.99	0.00				0.00		point15	15	575,877.9	989,488.2	1,335.11	6.00	0.00	0	0	
										point16	16	575,877.9	989,724.4	1,334.46	6.00	0.00	0	0	
										point17	17	575,877.9	990,007.8	1,335.42	6.00	0.00	0	0	
										point18	18	575,908.0	990,087.6	1,335.03	6.00	0.00	0	0	
										point19	19	575,996.5	990,142.2	1,335.14	6.00	0.00	0	0	
										point118	118	576,167.6	990,124.4	1,335.14	6.00	0.00	0	0	
										point20	20	576,370.8	990,039.3	1,335.14	6.00				
PW8	W	0.00	99.99	0.00				0.00		point48	48	575,672.5	994,521.1	1,355.65	6.00	0.00	0	0	
										point49	49	575,667.6	993,426.1	1,354.54	6.00	0.00	0	0	
										point50	50	575,664.7	993,426.2	1,354.48	6.00	0.00	0	0	
										point51	51	575,662.7	993,288.0	1,353.87	6.00	0.00	0	0	
										point52	52	575,669.5	993,245.4	1,353.06	6.00	0.00	0	0	
										point53	53	575,635.8	993,202.2	1,352.57	6.00	0.00	0	0	
										point54	54	575,596.3	993,196.8	1,352.73	6.00	0.00	0	0	
										point55	55	575,544.8	993,202.4	1,353.93	6.00	0.00	0	0	
										point56	56	575,545.3	993,097.5	1,354.28	6.00	0.00	0	0	
										point57	57	575,540.7	993,097.4	1,354.80	6.00	0.00	0	0	
										point58	58	575,541.5	992,988.6	1,354.63	6.00	0.00	0	0	
										point59	59	575,567.6	992,987.0	1,353.67	6.00	0.00	0	0	
										point60	60	575,600.0	992,968.0	1,351.84	6.00	0.00	0	0	
										point61	61	575,614.6	992,939.1	1,352.55	6.00	0.00	0	0	
										point62	62	575,605.8	992,894.3	1,352.80	6.00	0.00	0	0	
										point63	63	575,606.1	992,796.3	1,352.57	6.00	0.00	0	0	
										point64	64	575,606.3	992,736.5	1,352.56	6.00	0.00	0	0	
										point65	65	575,617.2	992,701.8	1,352.13	6.00	0.00	0	0	
										point66	66	575,605.5	992,665.4	1,351.38	6.00	0.00	0	0	
										point67	67	575,578.9	992,643.7	1,351.73	6.00	0.00	0	0	
										point68	68	575,537.7	992,640.8	1,354.04	6.00	0.00	0	0	
										point69	69	575,538.2	992,534.3	1,354.60	6.00	0.00	0	0	
										point70	70	575,427.9	992,531.4	1,354.37	6.00	0.00	0	0	

INPUT: BARRIERS

EI Mirage Rd

									point71	71	575,427.8	992,535.1	1,355.37	6.00	0.00	0	0		
									point72	72	574,850.2	992,525.1	1,355.23	6.00					
PW2	W	0.00	99.99	0.00				0.00	point74	74	576,538.3	988,417.3	1,329.00	6.00	0.00	0	0		
									point7	7	576,462.5	988,417.7	1,329.00	6.00	0.00	0	0		
									point8	8	576,464.4	988,781.9	1,330.00	6.00	0.00	0	0		
									point9	9	576,458.7	989,000.4	1,331.00	6.00	0.00	0	0		
									point10	10	576,457.0	989,329.7	1,335.00	6.00	0.00	0	0		
									point11	11	576,118.5	989,329.6	1,335.00	6.00	0.00	0	0		
									point12	12	575,993.4	989,329.6	1,334.41	6.00	0.00	0	0		
									point13	13	575,915.2	989,393.7	1,334.65	6.00	0.00	0	0		
									point14	14	575,877.9	989,488.2	1,335.11	6.00					
PW4	W	0.00	99.99	0.00				0.00	point76	76	576,383.3	990,140.8	1,335.57	6.00	0.00	0	0		
									point117	117	576,188.2	990,221.5	1,335.57	6.00	0.00	0	0		
									point22	22	576,017.2	990,241.5	1,335.57	6.00	0.00	0	0		
									point23	23	576,015.2	990,326.7	1,336.30	6.00	0.00	0	0		
									point24	24	575,957.0	990,401.7	1,336.62	6.00	0.00	0	0		
									point25	25	575,882.7	990,400.5	1,336.63	6.00	0.00	0	0		
									point26	26	575,872.0	990,410.6	1,336.50	6.00	0.00	0	0		
									point27	27	575,871.6	990,547.9	1,337.54	6.00	0.00	0	0		
									point28	28	575,870.9	990,749.6	1,337.26	6.00	0.00	0	0		
									point29	29	575,930.3	990,780.8	1,337.68	6.00	0.00	0	0		
									point30	30	575,929.8	990,800.1	1,337.19	6.00	0.00	0	0		
									point31	31	576,043.3	990,799.7	1,337.94	6.00	0.00	0	0		
									point32	32	576,043.7	990,887.8	1,337.54	6.00					
PW5	W	0.00	99.99	0.00				0.00	point78	78	575,964.7	990,900.3	1,338.39	6.00	0.00	0	0		
									point35	35	575,881.0	990,900.3	1,338.01	6.00	0.00	0	0		
									point36	36	575,881.0	990,991.1	1,337.90	6.00	0.00	0	0		
									point37	37	575,954.9	990,991.1	1,338.31	6.00					
PW6	W	0.00	99.99	0.00				0.00	point80	80	575,963.1	991,077.8	1,338.02	6.00	0.00	0	0		
									point39	39	575,878.4	991,077.6	1,338.45	6.00	0.00	0	0		
									point40	40	575,877.2	991,303.0	1,339.70	6.00	0.00	0	0		
									point41	41	575,876.8	991,393.8	1,340.46	6.00	0.00	0	0		
									point42	42	575,876.0	991,529.1	1,341.24	6.00	0.00	0	0		
									point43	43	575,960.2	991,529.6	1,341.36	6.00					
PW7	W	0.00	99.99	0.00				0.00	point82	82	575,886.2	991,620.6	1,342.47	6.00	0.00	0	0		
									point46	46	575,885.8	991,694.8	1,342.50	6.00	0.00	0	0		
									point47	47	576,526.6	991,697.4	1,342.43	6.00					
Evaluated Barrier N1D	W	0.00	99.99	0.00				0.00	point83	83	575,830.3	992,132.7	1,343.96	10.00	2.00	5	0		
									point84	84	575,830.1	991,998.4	1,343.69	10.00	2.00	5	0		
									point85	85	575,828.0	991,798.4	1,341.76	10.00	2.00	5	0		
									point86	86	575,844.0	991,599.0	1,340.96	10.00					
Evaluated Barrier N1C	W	0.00	99.99	0.00				0.00	point112	112	575,848.4	991,544.7	1,340.49	10.00	2.00	5	0		
									point89	89	575,853.0	991,474.2	1,340.03	10.00	2.00	5	0		
									point90	90	575,859.0	991,274.3	1,339.04	10.00	2.00	5	0		
									point91	91	575,859.7	991,074.3	1,337.73	10.00	2.00	5	0		
									point92	92	575,882.2	991,059.7	1,338.22	10.00					
Evaluated Barrier N1B	W	0.00	99.99	0.00				0.00	point114	114	575,880.7	990,994.9	1,337.67	10.00	2.00	5	0		
									point95	95	575,870.1	990,971.1	1,337.89	10.00	2.00	5	0		
									point96	96	575,870.5	990,860.7	1,335.64	10.00	2.00	5	0		

INPUT: BARRIERS

El Mirage Rd

									point97	97	575,869.7	990,660.7	1,336.65	10.00	2.00	5	0		
									point98	98	575,870.8	990,460.7	1,336.63	10.00	2.00	5	0		
									point99	99	575,872.6	990,260.8	1,334.20	10.00	2.00	5	0		
									point100	100	575,902.7	990,231.0	1,333.27	10.00					
Evaluated Barrier N1A	W	0.00	99.99	0.00				0.00	point116	116	575,902.9	990,161.0	1,333.14	10.00	2.00	5	0		
									point103	103	575,873.0	990,130.8	1,332.86	10.00	2.00	5	0		
									point104	104	575,873.7	989,930.8	1,334.48	10.00	2.00	5	0		
									point105	105	575,874.4	989,730.8	1,333.80	10.00	2.00	5	0		
									point106	106	575,865.1	989,531.0	1,333.38	10.00	2.00	5	0		
									point107	107	575,865.8	989,331.0	1,333.04	10.00	2.00	5	0		
									point108	108	575,866.8	989,131.0	1,332.38	10.00	2.00	5	0		
									point109	109	575,867.7	988,931.0	1,333.06	10.00	2.00	5	0		
									point110	110	575,868.7	988,731.0	1,331.81	10.00					
Barrier22	W	0.00	99.99	0.00				0.00	point119	119	576,288.0	991,106.2	1,338.00	6.00	0.00	0	0		
									point120	120	576,289.5	990,948.2	1,338.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point121	121	576,042.2	990,798.4	1,337.94	6.00	0.00	0	0		
									point122	122	576,040.0	990,702.6	1,337.94	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point123	123	576,040.1	990,631.2	1,337.86	6.00	0.00	0	0		
									point124	124	576,038.7	990,459.4	1,337.86	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point125	125	576,017.6	991,543.0	1,341.77	6.00	0.00	0	0		
									point126	126	576,017.6	991,392.4	1,341.77	6.00					
Barrier25-2-2	W	0.00	99.99	0.00				0.00	point131	131	576,018.4	991,321.1	1,340.80	6.00	0.00	0	0		
									point129	129	576,018.4	991,170.5	1,340.80	6.00					

INPUT: RECEIVERS
EI Mirage Rd

AZTEC											
AZTEC											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	EI Mirage Rd										
RUN:	EI Mirage Rd, Build, Segment 2										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
E13	154	2	576,818.0	988,192.8	1,329.00	5.00	0.00	66	15.0	7.0	
E14	155	2	576,728.4	988,209.0	1,329.00	5.00	0.00	66	15.0	7.0	
E15	156	2	576,594.8	988,239.1	1,329.00	5.00	0.00	66	15.0	7.0	
E16	157	1	576,180.1	988,435.4	1,329.00	5.00	0.00	66	15.0	7.0	
E17	158	3	576,487.7	988,456.0	1,329.00	5.00	0.00	66	15.0	7.0	
E18	159	4	576,496.1	988,637.9	1,330.00	5.00	0.00	66	15.0	7.0	
E19	160	3	576,494.6	988,779.8	1,330.00	5.00	0.00	66	15.0	7.0	
E20	161	2	576,545.9	988,968.5	1,331.00	5.00	0.00	66	15.0	7.0	
E21	162	1	576,167.2	989,025.2	1,331.00	5.00	0.00	66	15.0	7.0	
E22	163	3	576,121.1	989,354.2	1,335.00	5.00	0.00	66	15.0	7.0	
E23	164	3	575,944.1	989,396.2	1,335.69	5.00	0.00	66	15.0	7.0	
E24	165	3	575,898.2	989,584.2	1,335.40	5.00	0.00	66	15.0	7.0	
E25	166	2	576,060.2	989,592.6	1,334.75	5.00	0.00	66	15.0	7.0	
E26	167	2	576,132.9	989,657.9	1,335.00	5.00	0.00	66	15.0	7.0	
E27	168	3	575,898.2	989,719.3	1,334.35	5.00	0.00	66	15.0	7.0	
E28	169	2	576,133.9	989,750.4	1,335.00	5.00	0.00	66	15.0	7.0	
E29	170	3	575,922.1	989,857.8	1,334.60	5.00	0.00	66	15.0	7.0	
E30	171	2	576,055.2	989,903.8	1,335.38	5.00	0.00	66	15.0	7.0	
E31	172	3	575,896.2	989,995.6	1,335.25	5.00	0.00	66	15.0	7.0	
E32	173	2	575,986.2	990,114.1	1,335.28	5.00	0.00	66	15.0	7.0	
E33	174	2	576,106.4	990,119.0	1,335.00	5.00	0.00	66	15.0	7.0	
E34	175	2	576,021.1	990,259.3	1,336.43	5.00	0.00	66	15.0	7.0	

INPUT: RECEIVERS**EI Mirage Rd**

E35	176	2	575,894.4	990,412.2	1,336.91	5.00	0.00	66	15.0	7.0	
E36	177	2	575,897.4	990,540.4	1,337.27	5.00	0.00	66	15.0	7.0	
E37	178	2	576,050.3	990,537.5	1,337.86	5.00	0.00	66	15.0	7.0	
E38	179	1	575,891.7	990,635.8	1,337.65	5.00	0.00	66	15.0	7.0	
E39	180	2	576,047.9	990,772.1	1,338.31	5.00	0.00	66	15.0	7.0	
E40	181	2	575,899.7	990,986.6	1,339.10	5.00	0.00	66	15.0	7.0	
E41	182	3	576,054.3	991,072.5	1,336.36	5.00	0.00	66	15.0	7.0	
E42	183	2	575,897.6	991,086.1	1,339.34	5.00	0.00	66	15.0	7.0	
E43	184	3	575,896.4	991,217.4	1,339.48	5.00	0.00	66	15.0	7.0	
E44	185	2	576,033.7	991,261.4	1,340.80	5.00	0.00	66	15.0	7.0	
E45	186	3	575,896.4	991,360.7	1,340.83	5.00	0.00	66	15.0	7.0	
E46	187	2	576,032.8	991,481.1	1,341.77	5.00	0.00	66	15.0	7.0	
E47	188	2	575,899.9	991,523.4	1,341.29	5.00	0.00	66	15.0	7.0	
E48	189	2	576,011.0	991,651.8	1,342.40	5.00	0.00	66	15.0	7.0	
E49	190	2	575,896.2	991,672.6	1,342.70	5.00	0.00	66	15.0	7.0	
E50	191	1	576,133.6	991,864.0	1,343.00	5.00	0.00	66	15.0	7.0	
E51	192	1	576,131.9	992,362.9	1,347.00	5.00	0.00	66	15.0	7.0	
E52	193	1	576,131.7	992,875.2	1,351.00	5.00	0.00	66	15.0	7.0	
E53	194	1	576,131.5	993,239.8	1,352.00	5.00	0.00	66	15.0	7.0	
W15	209	1	575,429.6	988,549.4	1,329.09	5.00	0.00	66	15.0	7.0	
W16	210	1	575,427.1	989,049.4	1,329.28	5.00	0.00	66	15.0	7.0	
W17	211	1	575,424.8	989,549.4	1,329.54	5.00	0.00	66	15.0	7.0	
W18	212	1	575,422.3	990,049.4	1,332.33	5.00	0.00	66	15.0	7.0	
W19	213	1	575,419.9	990,549.4	1,334.77	5.00	0.00	66	15.0	7.0	
W20	214	1	575,417.4	991,049.4	1,337.58	5.00	0.00	66	15.0	7.0	
W21	215	1	575,415.0	991,549.4	1,340.55	5.00	0.00	66	15.0	7.0	
W22	216	1	575,412.6	992,049.4	1,347.87	5.00	0.00	66	15.0	7.0	
W23	217	2	575,536.2	992,551.3	1,354.54	5.00	0.00	66	15.0	7.0	
W24	218	2	575,423.9	992,556.7	1,355.17	5.00	0.00	66	15.0	7.0	
W25	219	2	575,547.9	992,835.9	1,354.67	5.00	0.00	66	15.0	7.0	
W26	220	2	575,432.8	992,832.6	1,355.15	5.00	0.00	66	15.0	7.0	
W27	221	2	575,540.9	993,112.3	1,354.69	5.00	0.00	66	15.0	7.0	
W28	222	2	575,443.2	993,115.2	1,355.27	5.00	0.00	66	15.0	7.0	
W29	223	2	575,601.0	993,351.7	1,354.08	5.00	0.00	66	15.0	7.0	
W30	224	2	575,507.0	993,393.4	1,357.14	5.00	0.00	66	15.0	7.0	
Mon3	227	1	576,470.6	988,359.4	1,329.00	5.00	0.00	66	15.0	7.0	

INPUT: RECEIVERS
EI Mirage Rd

Mon4	228	1	575,865.8	990,371.9	1,334.13	5.00	0.00	66	15.0	7.0	
Mon5	229	1	575,620.8	993,370.2	1,353.42	5.00	0.00	66	15.0	7.0	
E22A	231	3	576,249.1	989,361.5	1,335.00	5.00	0.00	66	15.0	7.0	
E22B	232	2	576,370.8	989,356.4	1,335.00	5.00	0.00	66	15.0	7.0	
E25A	233	2	576,147.0	989,597.8	1,334.75	5.00	0.00	66	15.0	7.0	
E25B	234	2	576,265.1	989,594.9	1,334.75	5.00	0.00	66	15.0	7.0	
E25C	235	3	576,434.2	989,599.2	1,334.75	5.00	0.00	66	15.0	7.0	
E26A	236	3	576,335.8	989,695.5	1,335.00	5.00	0.00	66	15.0	7.0	
E28A	237	3	576,243.9	989,788.9	1,335.00	5.00	0.00	66	15.0	7.0	
E30A	238	3	576,154.3	989,910.6	1,335.38	5.00	0.00	66	15.0	7.0	
E31A	239	3	576,325.4	990,014.8	1,335.25	5.00	0.00	66	15.0	7.0	
E30B	240	3	576,439.2	989,925.4	1,335.38	5.00	0.00	66	15.0	7.0	
E33A	241	3	576,382.8	990,156.1	1,335.00	5.00	0.00	66	15.0	7.0	
E34A	242	4	576,194.4	990,235.7	1,336.43	5.00	0.00	66	15.0	7.0	
E37A	243	4	576,131.2	990,539.9	1,337.86	5.00	0.00	66	15.0	7.0	
E37B	244	4	576,226.8	990,539.2	1,337.86	5.00	0.00	66	15.0	7.0	
E35A	245	3	576,289.4	990,469.9	1,336.91	5.00	0.00	66	15.0	7.0	
E37C	246	4	576,362.3	990,543.6	1,337.86	5.00	0.00	66	15.0	7.0	
E39A	247	4	576,132.8	990,778.9	1,338.31	5.00	0.00	66	15.0	7.0	
E39B	248	4	576,227.2	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	
E39C	249	4	576,319.5	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	
E39D	250	4	576,410.6	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	
E41A	251	4	576,302.4	991,042.1	1,338.00	5.00	0.00	66	15.0	7.0	
E41B	252	4	576,388.9	991,041.0	1,338.00	5.00	0.00	66	15.0	7.0	
E44A	253	4	576,113.4	991,263.2	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44B	254	4	576,207.9	991,260.9	1,340.80	5.00	0.00	66	15.0	7.0	
E44C	255	4	576,296.7	991,265.5	1,340.80	5.00	0.00	66	15.0	7.0	
E44D	256	4	576,391.2	991,264.3	1,340.80	5.00	0.00	66	15.0	7.0	
E46A	257	4	576,113.4	991,484.2	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46B	258	4	576,204.5	991,482.0	1,341.77	5.00	0.00	66	15.0	7.0	
E46C	259	4	576,295.6	991,485.4	1,341.77	5.00	0.00	66	15.0	7.0	
E46D	260	4	576,390.1	991,488.8	1,341.77	5.00	0.00	66	15.0	7.0	
E48A	261	2	576,092.9	991,657.7	1,342.40	5.00	0.00	66	15.0	7.0	
E48B	262	2	576,184.0	991,655.9	1,342.40	5.00	0.00	66	15.0	7.0	
E48C	263	2	576,275.1	991,656.8	1,342.40	5.00	0.00	66	15.0	7.0	
E48D	264	2	576,361.6	991,651.3	1,342.40	5.00	0.00	66	15.0	7.0	

INPUT: RECEIVERS**El Mirage Rd**

E48E	265	2	576,456.4	991,654.9	1,342.40	5.00	0.00	66	15.0	7.0	
W24A	267	2	575,315.6	992,554.6	1,355.37	5.00	0.00	66	15.0	7.0	
W24B	268	2	575,198.9	992,568.6	1,355.37	5.00	0.00	66	15.0	7.0	
W24C	269	1	575,096.3	992,559.9	1,355.37	5.00	0.00	66	15.0	7.0	
W26A	270	4	575,322.2	992,843.8	1,355.15	5.00	0.00	66	15.0	7.0	
W26B	271	6	575,198.4	992,837.2	1,355.15	5.00	0.00	66	15.0	7.0	
W28A	272	4	575,346.8	993,120.6	1,355.27	5.00	0.00	66	15.0	7.0	
W28B	273	4	575,236.0	993,117.0	1,355.27	5.00	0.00	66	15.0	7.0	
W28C	274	2	575,116.4	993,116.2	1,355.27	5.00	0.00	66	15.0	7.0	
W30A	275	4	575,380.0	993,409.7	1,357.14	5.00	0.00	66	15.0	7.0	
W30B	276	4	575,272.1	993,399.4	1,357.14	5.00	0.00	66	15.0	7.0	
W30C	278	2	575,121.6	993,396.6	1,357.14	5.00	0.00	66	15.0	7.0	

INPUT: ROADWAYS
T0428 El Mirage Rd

AZTEC					25 July 2025						
AZTEC					TNM 2.5						
INPUT: ROADWAYS											
PROJECT/CONTRACT:	T0428 El Mirage Rd					Average pavement type shall be used unless					
RUN:	El Mirage Rd, No Build					a State highway agency substantiates the use					
						of a different type with the approval of FHWA					
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
JomaxRd_WB	24.0	point773	773	574,832.4	992,464.6	1,350.70				Average	
		point774	774	574,963.4	992,463.9	1,350.90				Average	
		point775	775	575,167.8	992,463.9	1,351.70				Average	
		point776	776	575,353.2	992,464.0	1,352.30				Average	
		point777	777	575,497.1	992,464.6	1,352.80				Average	
		point778	778	575,719.6	992,463.8	1,353.20					
JomaxRd_EB	24.0	point787	787	575,716.6	992,429.0	1,352.90				Average	
		point780	780	575,522.1	992,429.9	1,353.70				Average	
		point781	781	575,392.6	992,430.7	1,354.10				Average	
		point782	782	575,254.8	992,431.5	1,353.70				Average	
		point783	783	575,071.6	992,432.5	1,353.00				Average	
		point784	784	574,922.4	992,433.4	1,352.60				Average	
		point785	785	574,832.8	992,435.6	1,351.80					
HappyValleyRd_EB	36.0	point788	788	574,879.4	987,953.4	1,319.90				Average	
		point789	789	574,983.1	987,974.5	1,319.80				Average	
		point790	790	575,079.8	987,984.9	1,320.30				Average	
		point791	791	575,216.2	987,985.6	1,321.20				Average	
		point792	792	575,349.6	987,986.3	1,322.30				Average	
		point793	793	575,480.3	987,986.9	1,323.20				Average	
		point794	794	575,621.6	987,987.2	1,324.30				Average	
		point795	795	575,769.4	987,987.1	1,325.10					
HappyValleyRd_WB	36.0	point821	821	577,041.8	988,041.9	1,326.70				Average	
		point806	806	576,787.1	988,044.0	1,326.70				Average	
		point807	807	576,558.7	988,043.5	1,326.70				Average	
		point808	808	576,240.6	988,042.7	1,327.90				Average	

INPUT: ROADWAYS
T0428 El Mirage Rd

		point809	809	576,022.7	988,042.3	1,326.80				Average	
		point810	810	575,844.9	988,042.7	1,326.10					
HappyValleyRd_EB-2-2	36.0	point824	824	575,769.4	987,987.1	1,325.10				Average	
		point798	798	576,042.0	987,987.7	1,327.00				Average	
		point799	799	576,266.4	987,988.0	1,327.90				Average	
		point800	800	576,470.6	987,987.8	1,327.20				Average	
		point801	801	576,730.1	987,987.5	1,327.20				Average	
		point802	802	577,043.5	987,987.6	1,327.20					
HappyValleyRd_WB-2-2	36.0	point826	826	575,844.9	988,042.7	1,326.10				Average	
		point813	813	575,486.7	988,043.8	1,323.40				Average	
		point814	814	575,284.8	988,040.1	1,322.30				Average	
		point815	815	575,130.2	988,037.2	1,321.40				Average	
		point816	816	575,035.1	988,031.0	1,320.80				Average	
		point817	817	574,952.7	988,020.3	1,320.50				Average	
		point818	818	574,867.0	988,003.6	1,320.90					
ElMirageRd	24.0	point889	889	575,820.2	991,577.8	1,340.70				Average	
		point868	868	575,820.4	991,468.0	1,339.90				Average	
		point869	869	575,820.8	991,268.0	1,338.80				Average	
		point870	870	575,821.4	991,068.0	1,337.70				Average	
		point871	871	575,822.5	990,868.0	1,336.90				Average	
		point872	872	575,822.9	990,668.0	1,335.90				Average	
		point873	873	575,823.0	990,468.0	1,335.00				Average	
		point874	874	575,823.4	990,268.0	1,334.10				Average	
		point875	875	575,824.7	990,068.0	1,333.70				Average	
		point876	876	575,825.4	989,868.0	1,333.80				Average	
		point877	877	575,826.1	989,668.0	1,333.60				Average	
		point878	878	575,826.6	989,468.0	1,333.10				Average	
		point879	879	575,826.1	989,268.0	1,332.70				Average	
		point880	880	575,823.2	989,068.0	1,332.50				Average	
		point881	881	575,824.3	988,868.0	1,332.10				Average	
		point882	882	575,826.7	988,668.0	1,331.40				Average	
		point883	883	575,832.5	988,468.1	1,330.00				Average	
		point884	884	575,838.3	988,268.2	1,328.30				Average	
		point885	885	575,839.3	988,045.9	1,325.60					
ElMirageRd2	24.0	point890	890	575,719.7	994,084.9	1,354.50				Average	
		point858	858	575,719.7	993,885.1	1,354.50				Average	
		point859	859	575,719.8	993,685.3	1,354.50				Average	
		point860	860	575,719.9	993,485.5	1,354.50				Average	
		point861	861	575,720.0	993,285.7	1,353.20				Average	

INPUT: ROADWAYS

T0428 El Mirage Rd

		point862	862	575,720.1	993,085.9	1,352.30				Average	
		point863	863	575,720.1	992,886.1	1,352.50				Average	
		point864	864	575,720.2	992,686.2	1,353.80				Average	
		point865	865	575,722.2	992,486.5	1,353.40					

INPUT: TRAFFIC FOR LAeq1h Volumes

T0428 El Mirage Rd

AZTEC												
AZTEC												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	T0428 El Mirage Rd											
RUN:	El Mirage Rd, No Build											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
JomaxRd_WB	point773	773	131	30	1	30	1	30	0	0	0	0
	point774	774	131	30	1	30	1	30	0	0	0	0
	point775	775	131	30	1	30	1	30	0	0	0	0
	point776	776	131	30	1	30	1	30	0	0	0	0
	point777	777	131	30	1	30	1	30	0	0	0	0
	point778	778										
JomaxRd_EB	point787	787	131	30	1	30	1	30	0	0	0	0
	point780	780	131	30	1	30	1	30	0	0	0	0
	point781	781	131	30	1	30	1	30	0	0	0	0
	point782	782	131	30	1	30	1	30	0	0	0	0
	point783	783	131	30	1	30	1	30	0	0	0	0
	point784	784	131	30	1	30	1	30	0	0	0	0
	point785	785										
HappyValleyRd_EB	point788	788	1374	50	516	50	6	50	0	0	0	0
	point789	789	1374	50	516	50	6	50	0	0	0	0
	point790	790	1374	50	516	50	6	50	0	0	0	0
	point791	791	1374	50	516	50	6	50	0	0	0	0
	point792	792	1374	50	516	50	6	50	0	0	0	0
	point793	793	1374	50	516	50	6	50	0	0	0	0
	point794	794	1374	50	516	50	6	50	0	0	0	0
	point795	795										
HappyValleyRd_WB	point821	821	1436	50	380	50	4	50	0	0	0	0
	point806	806	1436	50	380	50	4	50	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
T0428 El Mirage Rd

	point807	807	1436	50	380	50	4	50	0	0	0	0
	point808	808	1436	50	380	50	4	50	0	0	0	0
	point809	809	1436	50	380	50	4	50	0	0	0	0
	point810	810										
HappyValleyRd_EB-2-2	point824	824	1436	50	380	50	4	50	0	0	0	0
	point798	798	1436	50	380	50	4	50	0	0	0	0
	point799	799	1436	50	380	50	4	50	0	0	0	0
	point800	800	1436	50	380	50	4	50	0	0	0	0
	point801	801	1436	50	380	50	4	50	0	0	0	0
	point802	802										
HappyValleyRd_WB-2-2	point826	826	1374	50	516	50	6	50	0	0	0	0
	point813	813	1374	50	516	50	6	50	0	0	0	0
	point814	814	1374	50	516	50	6	50	0	0	0	0
	point815	815	1374	50	516	50	6	50	0	0	0	0
	point816	816	1374	50	516	50	6	50	0	0	0	0
	point817	817	1374	50	516	50	6	50	0	0	0	0
	point818	818										
ElMirageRd	point889	889	116	45	4	45	0	0	0	0	0	0
	point868	868	116	45	4	45	0	0	0	0	0	0
	point869	869	116	45	4	45	0	0	0	0	0	0
	point870	870	116	45	4	45	0	0	0	0	0	0
	point871	871	116	45	4	45	0	0	0	0	0	0
	point872	872	116	45	4	45	0	0	0	0	0	0
	point873	873	116	45	4	45	0	0	0	0	0	0
	point874	874	116	45	4	45	0	0	0	0	0	0
	point875	875	116	45	4	45	0	0	0	0	0	0
	point876	876	116	45	4	45	0	0	0	0	0	0
	point877	877	116	45	4	45	0	0	0	0	0	0
	point878	878	116	45	4	45	0	0	0	0	0	0
	point879	879	116	45	4	45	0	0	0	0	0	0
	point880	880	116	45	4	45	0	0	0	0	0	0
	point881	881	116	45	4	45	0	0	0	0	0	0
	point882	882	116	45	4	45	0	0	0	0	0	0
	point883	883	116	45	4	45	0	0	0	0	0	0
	point884	884	116	45	4	45	0	0	0	0	0	0
	point885	885										

INPUT: TRAFFIC FOR LAeq1h Volumes**T0428 El Mirage Rd**

ElMirageRd2	point890	890	694	45	6	45	4	45	0	0	0	0
	point858	858	694	45	6	45	4	45	0	0	0	0
	point859	859	694	45	6	45	4	45	0	0	0	0
	point860	860	694	45	6	45	4	45	0	0	0	0
	point861	861	694	45	6	45	4	45	0	0	0	0
	point862	862	694	45	6	45	4	45	0	0	0	0
	point863	863	694	45	6	45	4	45	0	0	0	0
	point864	864	694	45	6	45	4	45	0	0	0	0
	point865	865										

INPUT: BARRIERS

T0428 El Mirage Rd

AZTEC				25 July 2025															
AZTEC				TNM 2.5															
INPUT: BARRIERS																			
PROJECT/CONTRACT:				T0428 El Mirage Rd															
RUN:				El Mirage Rd, No Build															
Barrier								Points											
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates	(bottom)	Height	Segment					
		Min	Max	\$ per Unit Area	\$ per Unit Vol.	Top Width	Run:Rise	\$ per Unit Length			X	Y	Z	at Point	Seg Ht	Perturbs	On	Important	
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft	ft	ft	ft	ft				
PW1	W	0.00	99.99	0.00				0.00	point1	1	576,985.4	988,091.3	1,329.00	6.00	0.00	0	0		
									point2	2	576,718.0	988,195.5	1,329.00	6.00	0.00	0	0		
									point3	3	576,633.4	988,217.0	1,329.26	6.00	0.00	0	0		
									point4	4	576,586.9	988,222.8	1,327.87	6.00	0.00	0	0		
									point5	5	576,588.8	988,276.3	1,327.87	6.00					
PW3	W	0.00	99.99	0.00				0.00	point15	15	575,877.9	989,488.2	1,335.11	6.00	0.00	0	0		
									point16	16	575,877.9	989,724.4	1,334.46	6.00	0.00	0	0		
									point17	17	575,877.9	990,007.8	1,335.42	6.00	0.00	0	0		
									point18	18	575,908.0	990,087.6	1,335.03	6.00	0.00	0	0		
									point19	19	575,996.5	990,142.2	1,335.14	6.00	0.00	0	0		
									point83	83	576,167.6	990,124.4	1,335.14	6.00	0.00	0	0		
									point20	20	576,370.8	990,039.3	1,335.14	6.00					
PW8	W	0.00	99.99	0.00				0.00	point48	48	575,672.5	994,521.1	1,355.65	6.00	0.00	0	0		
									point49	49	575,667.6	993,426.1	1,354.54	6.00	0.00	0	0		
									point50	50	575,664.7	993,426.2	1,354.48	6.00	0.00	0	0		
									point51	51	575,662.7	993,288.0	1,353.87	6.00	0.00	0	0		
									point52	52	575,669.5	993,245.4	1,353.06	6.00	0.00	0	0		
									point53	53	575,635.8	993,202.2	1,352.57	6.00	0.00	0	0		
									point54	54	575,596.3	993,196.8	1,352.73	6.00	0.00	0	0		
									point55	55	575,544.8	993,202.4	1,353.93	6.00	0.00	0	0		
									point56	56	575,545.3	993,097.5	1,354.28	6.00	0.00	0	0		
									point57	57	575,540.7	993,097.4	1,354.80	6.00	0.00	0	0		
									point58	58	575,541.5	992,988.6	1,354.63	6.00	0.00	0	0		
									point59	59	575,567.6	992,987.0	1,353.67	6.00	0.00	0	0		
									point60	60	575,600.0	992,968.0	1,351.84	6.00	0.00	0	0		
									point61	61	575,614.6	992,939.1	1,352.55	6.00	0.00	0	0		
									point62	62	575,605.8	992,894.3	1,352.80	6.00	0.00	0	0		
									point63	63	575,606.1	992,796.3	1,352.57	6.00	0.00	0	0		
									point64	64	575,606.3	992,736.5	1,352.56	6.00	0.00	0	0		
									point65	65	575,617.2	992,701.8	1,352.13	6.00	0.00	0	0		
									point66	66	575,605.5	992,665.4	1,351.38	6.00	0.00	0	0		
									point67	67	575,578.9	992,643.7	1,351.73	6.00	0.00	0	0		
									point68	68	575,537.7	992,640.8	1,354.04	6.00	0.00	0	0		
									point69	69	575,538.2	992,534.3	1,354.60	6.00	0.00	0	0		
									point70	70	575,427.9	992,531.4	1,354.37	6.00	0.00	0	0		

INPUT: BARRIERS

T0428 El Mirage Rd

									point71	71	575,427.8	992,535.1	1,355.37	6.00	0.00	0	0		
									point72	72	574,850.3	992,525.1	1,355.23	6.00					
PW2	W	0.00	99.99	0.00				0.00	point74	74	576,538.3	988,417.3	1,329.00	6.00	0.00	0	0		
									point7	7	576,462.5	988,417.7	1,329.00	6.00	0.00	0	0		
									point8	8	576,464.4	988,781.9	1,330.00	6.00	0.00	0	0		
									point9	9	576,458.7	989,000.4	1,331.00	6.00	0.00	0	0		
									point10	10	576,457.0	989,329.7	1,335.00	6.00	0.00	0	0		
									point11	11	576,118.5	989,329.6	1,335.00	6.00	0.00	0	0		
									point12	12	575,993.4	989,329.6	1,334.41	6.00	0.00	0	0		
									point13	13	575,915.2	989,393.7	1,334.65	6.00	0.00	0	0		
									point14	14	575,877.9	989,488.2	1,335.11	6.00					
PW4	W	0.00	99.99	0.00				0.00	point76	76	576,383.3	990,140.8	1,335.57	6.00	0.00	0	0		
									point84	84	576,188.2	990,221.5	1,335.57	6.00	0.00	0	0		
									point22	22	576,017.2	990,241.5	1,335.57	6.00	0.00	0	0		
									point23	23	576,015.2	990,326.7	1,336.30	6.00	0.00	0	0		
									point24	24	575,957.0	990,401.7	1,336.62	6.00	0.00	0	0		
									point25	25	575,882.7	990,400.5	1,336.63	6.00	0.00	0	0		
									point26	26	575,872.0	990,410.6	1,336.50	6.00	0.00	0	0		
									point27	27	575,871.6	990,547.9	1,337.54	6.00	0.00	0	0		
									point28	28	575,870.9	990,749.6	1,337.26	6.00	0.00	0	0		
									point29	29	575,930.3	990,780.8	1,337.68	6.00	0.00	0	0		
									point30	30	575,929.8	990,800.1	1,337.19	6.00	0.00	0	0		
									point31	31	576,043.3	990,799.7	1,337.94	6.00	0.00	0	0		
									point32	32	576,043.7	990,887.8	1,337.54	6.00					
PW5	W	0.00	99.99	0.00				0.00	point78	78	575,964.7	990,900.3	1,338.39	6.00	0.00	0	0		
									point35	35	575,881.0	990,900.3	1,338.01	6.00	0.00	0	0		
									point36	36	575,881.0	990,991.1	1,337.90	6.00	0.00	0	0		
									point37	37	575,954.9	990,991.1	1,338.31	6.00					
PW6	W	0.00	99.99	0.00				0.00	point80	80	575,963.1	991,077.8	1,338.02	6.00	0.00	0	0		
									point39	39	575,878.4	991,077.6	1,338.45	6.00	0.00	0	0		
									point40	40	575,877.2	991,303.0	1,339.70	6.00	0.00	0	0		
									point41	41	575,876.8	991,393.8	1,340.46	6.00	0.00	0	0		
									point42	42	575,876.0	991,529.1	1,341.24	6.00	0.00	0	0		
									point43	43	575,960.2	991,529.6	1,341.36	6.00					
PW7	W	0.00	99.99	0.00				0.00	point82	82	575,886.2	991,620.6	1,342.47	6.00	0.00	0	0		
									point46	46	575,885.8	991,694.8	1,342.50	6.00	0.00	0	0		
									point47	47	576,526.6	991,697.4	1,342.43	6.00					
Barrier15	W	0.00	99.99	0.00				0.00	point85	85	576,040.1	990,631.3	1,337.86	6.00	0.00	0	0		
									point86	86	576,038.7	990,459.4	1,337.86	6.00					
Barrier16	W	0.00	99.99	0.00				0.00	point87	87	576,042.3	990,798.4	1,337.94	6.00	0.00	0	0		
									point88	88	576,040.0	990,702.6	1,337.94	6.00					
Barrier17	W	0.00	99.99	0.00				0.00	point89	89	576,288.0	991,106.2	1,338.00	6.00	0.00	0	0		
									point90	90	576,289.5	990,948.2	1,338.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point125	91	576,017.6	991,543.0	1,341.77	6.00	0.00	0	0		
									point126	92	576,017.6	991,392.4	1,341.77	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point131	93	576,018.4	991,321.1	1,340.80	6.00	0.00	0	0		
									point129	94	576,018.4	991,170.5	1,340.80	6.00					

INPUT: RECEIVERS
T0428 El Mirage Rd

AZTEC											
AZTEC											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	T0428 El Mirage Rd										
RUN:	El Mirage Rd, No Build										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
E13	13	2	576,818.0	988,192.8	1,329.00	5.00	0.00	66	15.0	7.0	Y
E14	14	2	576,728.4	988,209.0	1,329.00	5.00	0.00	66	15.0	7.0	Y
E15	15	2	576,594.8	988,239.1	1,329.00	5.00	0.00	66	15.0	7.0	Y
E16	16	1	576,180.1	988,435.4	1,329.00	5.00	0.00	66	15.0	7.0	Y
E17	17	3	576,487.7	988,456.0	1,329.00	5.00	0.00	66	15.0	7.0	Y
E18	18	4	576,496.1	988,637.9	1,330.00	5.00	0.00	66	15.0	7.0	Y
E19	19	3	576,494.6	988,779.8	1,330.00	5.00	0.00	66	15.0	7.0	Y
E20	20	2	576,545.9	988,968.5	1,331.00	5.00	0.00	66	15.0	7.0	Y
E21	21	1	576,167.2	989,025.2	1,331.00	5.00	0.00	66	15.0	7.0	Y
E22	22	3	576,121.1	989,354.2	1,335.00	5.00	0.00	66	15.0	7.0	Y
E23	23	3	575,944.1	989,396.2	1,335.69	5.00	0.00	66	15.0	7.0	Y
E24	24	3	575,898.2	989,584.2	1,335.40	5.00	0.00	66	15.0	7.0	Y
E25	25	2	576,060.2	989,592.6	1,334.75	5.00	0.00	66	15.0	7.0	Y
E26	26	2	576,132.9	989,657.9	1,335.00	5.00	0.00	66	15.0	7.0	Y
E27	27	3	575,898.2	989,719.3	1,334.35	5.00	0.00	66	15.0	7.0	Y
E28	28	2	576,133.9	989,750.4	1,335.00	5.00	0.00	66	15.0	7.0	Y
E29	29	3	575,922.1	989,857.8	1,334.60	5.00	0.00	66	15.0	7.0	Y
E30	30	2	576,055.2	989,903.8	1,335.38	5.00	0.00	66	15.0	7.0	Y
E31	31	3	575,896.2	989,995.6	1,335.25	5.00	0.00	66	15.0	7.0	Y
E32	32	2	575,986.2	990,114.1	1,335.28	5.00	0.00	66	15.0	7.0	Y
E33	33	2	576,106.4	990,119.0	1,335.00	5.00	0.00	66	15.0	7.0	Y
E34	34	2	576,021.1	990,259.3	1,336.43	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS
T0428 El Mirage Rd

E35	35	2	575,894.4	990,412.2	1,336.91	5.00	0.00	66	15.0	7.0	Y
E36	36	2	575,897.4	990,540.4	1,337.27	5.00	0.00	66	15.0	7.0	Y
E37	37	2	576,050.3	990,537.5	1,337.86	5.00	0.00	66	15.0	7.0	Y
E38	39	1	575,891.7	990,635.8	1,337.65	5.00	0.00	66	15.0	7.0	Y
E39	40	2	576,047.9	990,772.1	1,338.31	5.00	0.00	66	15.0	7.0	Y
E40	41	2	575,899.7	990,986.6	1,339.10	5.00	0.00	66	15.0	7.0	Y
E41	42	3	576,054.3	991,072.5	1,336.36	5.00	0.00	66	15.0	7.0	Y
E42	43	2	575,897.6	991,086.1	1,339.34	5.00	0.00	66	15.0	7.0	Y
E43	44	3	575,896.4	991,217.4	1,339.48	5.00	0.00	66	15.0	7.0	Y
E44	45	2	576,033.7	991,261.4	1,340.80	5.00	0.00	66	15.0	7.0	Y
E45	46	3	575,896.4	991,360.7	1,340.83	5.00	0.00	66	15.0	7.0	Y
E46	47	2	576,032.8	991,481.1	1,341.77	5.00	0.00	66	15.0	7.0	Y
E47	48	2	575,899.9	991,523.4	1,341.29	5.00	0.00	66	15.0	7.0	Y
E48	49	2	576,011.0	991,651.8	1,342.40	5.00	0.00	66	15.0	7.0	Y
E49	50	2	575,896.2	991,672.6	1,342.70	5.00	0.00	66	15.0	7.0	Y
E50	51	1	576,133.6	991,864.0	1,343.00	5.00	0.00	66	15.0	7.0	Y
E51	52	1	576,131.9	992,362.9	1,347.00	5.00	0.00	66	15.0	7.0	Y
E52	53	1	576,131.7	992,875.2	1,351.00	5.00	0.00	66	15.0	7.0	Y
E53	54	1	576,131.5	993,239.8	1,352.00	5.00	0.00	66	15.0	7.0	Y
W15	69	1	575,429.6	988,549.4	1,329.09	5.00	0.00	66	15.0	7.0	Y
W16	70	1	575,427.1	989,049.4	1,329.28	5.00	0.00	66	15.0	7.0	Y
W17	71	1	575,424.8	989,549.4	1,329.54	5.00	0.00	66	15.0	7.0	Y
W18	72	1	575,422.3	990,049.4	1,332.33	5.00	0.00	66	15.0	7.0	Y
W19	73	1	575,419.9	990,549.4	1,334.77	5.00	0.00	66	15.0	7.0	Y
W20	74	1	575,417.4	991,049.4	1,337.58	5.00	0.00	66	15.0	7.0	Y
W21	75	1	575,415.0	991,549.4	1,340.55	5.00	0.00	66	15.0	7.0	Y
W22	76	1	575,412.6	992,049.4	1,347.87	5.00	0.00	66	15.0	7.0	Y
W23	77	2	575,536.2	992,551.3	1,354.54	5.00	0.00	66	15.0	7.0	Y
W24	79	2	575,423.9	992,556.7	1,355.17	5.00	0.00	66	15.0	7.0	Y
W25	80	2	575,547.9	992,835.9	1,354.67	5.00	0.00	66	15.0	7.0	Y
W26	81	2	575,432.8	992,832.6	1,355.15	5.00	0.00	66	15.0	7.0	Y
W27	82	2	575,540.9	993,112.3	1,354.69	5.00	0.00	66	15.0	7.0	Y
W28	84	2	575,443.2	993,115.2	1,355.27	5.00	0.00	66	15.0	7.0	Y
W29	85	2	575,601.0	993,351.7	1,354.08	5.00	0.00	66	15.0	7.0	Y
W30	86	2	575,507.0	993,393.4	1,357.14	5.00	0.00	66	15.0	7.0	Y
Mon3	90	1	576,470.6	988,359.4	1,329.00	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS
T0428 El Mirage Rd

Mon4	91	1	575,865.8	990,371.9	1,334.13	5.00	0.00	66	15.0	7.0	Y
Mon5	92	1	575,620.8	993,370.2	1,353.42	5.00	0.00	66	15.0	7.0	Y
E22A	94	3	576,249.1	989,361.5	1,335.00	5.00	0.00	66	15.0	7.0	Y
E22B	95	2	576,370.8	989,356.4	1,335.00	5.00	0.00	66	15.0	7.0	Y
E25A	96	2	576,147.0	989,597.8	1,334.75	5.00	0.00	66	15.0	7.0	Y
E25B	97	2	576,265.1	989,594.9	1,334.75	5.00	0.00	66	15.0	7.0	Y
E25C	98	3	576,434.2	989,599.2	1,334.75	5.00	0.00	66	15.0	7.0	Y
E26A	99	3	576,335.8	989,695.5	1,335.00	5.00	0.00	66	15.0	7.0	Y
E28A	100	3	576,243.9	989,788.9	1,335.00	5.00	0.00	66	15.0	7.0	Y
E30A	101	3	576,154.3	989,910.6	1,335.38	5.00	0.00	66	15.0	7.0	Y
E31A	102	3	576,325.4	990,014.8	1,335.25	5.00	0.00	66	15.0	7.0	Y
E30B	103	3	576,439.2	989,925.4	1,335.38	5.00	0.00	66	15.0	7.0	Y
E33A	104	3	576,382.8	990,156.1	1,335.00	5.00	0.00	66	15.0	7.0	Y
E34A	105	4	576,194.4	990,235.7	1,336.43	5.00	0.00	66	15.0	7.0	Y
E37A	106	4	576,131.2	990,539.9	1,337.86	5.00	0.00	66	15.0	7.0	Y
E37B	107	4	576,226.8	990,539.2	1,337.86	5.00	0.00	66	15.0	7.0	Y
E35A	108	3	576,289.4	990,469.9	1,336.91	5.00	0.00	66	15.0	7.0	Y
E37C	109	4	576,362.3	990,543.6	1,337.86	5.00	0.00	66	15.0	7.0	Y
E39A	110	4	576,132.8	990,778.9	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39B	111	4	576,227.2	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39C	112	4	576,319.5	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39D	113	4	576,410.6	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E41A	114	4	576,302.4	991,042.1	1,338.00	5.00	0.00	66	15.0	7.0	Y
E41B	115	4	576,388.9	991,041.0	1,338.00	5.00	0.00	66	15.0	7.0	Y
E44A	116	4	576,113.4	991,263.2	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44B	117	4	576,207.9	991,260.9	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44C	118	4	576,296.7	991,265.5	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44D	119	4	576,391.2	991,264.3	1,340.80	5.00	0.00	66	15.0	7.0	Y
E46A	120	4	576,113.4	991,484.2	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46B	121	4	576,204.5	991,482.0	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46C	122	4	576,295.6	991,485.4	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46D	123	4	576,390.1	991,488.8	1,341.77	5.00	0.00	66	15.0	7.0	Y
E48A	124	2	576,092.9	991,657.7	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48B	125	2	576,184.0	991,655.9	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48C	126	2	576,275.1	991,656.8	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48D	127	2	576,361.6	991,651.3	1,342.40	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS**T0428 El Mirage Rd**

E48E	128	2	576,456.4	991,654.9	1,342.40	5.00	0.00	66	15.0	7.0	Y
W24A	129	2	575,315.6	992,554.6	1,355.37	5.00	0.00	66	15.0	7.0	Y
W24B	130	2	575,198.9	992,568.6	1,355.37	5.00	0.00	66	15.0	7.0	Y
W24C	131	1	575,096.3	992,559.9	1,355.37	5.00	0.00	66	15.0	7.0	Y
W26A	132	4	575,322.2	992,843.8	1,355.15	5.00	0.00	66	15.0	7.0	Y
W26B	133	6	575,198.4	992,837.2	1,355.15	5.00	0.00	66	15.0	7.0	Y
W28A	134	4	575,346.8	993,120.6	1,355.27	5.00	0.00	66	15.0	7.0	Y
W28B	135	4	575,236.0	993,117.0	1,355.27	5.00	0.00	66	15.0	7.0	Y
W28C	136	2	575,116.4	993,116.2	1,355.27	5.00	0.00	66	15.0	7.0	Y
W30A	137	4	575,380.0	993,409.7	1,357.14	5.00	0.00	66	15.0	7.0	Y
W30B	138	4	575,272.1	993,399.4	1,357.14	5.00	0.00	66	15.0	7.0	Y
W30C	139	2	575,121.6	993,396.6	1,357.14	5.00	0.00	66	15.0	7.0	Y

INPUT: ROADWAYS
T0428 El Mirage Rd

AZTEC											
AZTEC											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	T0428 El Mirage Rd							Average pavement type shall be used unless			
RUN:	El Mirage Rd, Existing							a State highway agency substantiates the use			
								of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
JomaxRd_WB	24.0	point773	773	574,832.4	992,464.6	1,350.70				Average	
		point774	774	574,963.4	992,463.9	1,350.90				Average	
		point775	775	575,167.8	992,463.9	1,351.70				Average	
		point776	776	575,353.2	992,464.0	1,352.30				Average	
		point777	777	575,497.1	992,464.6	1,352.80				Average	
		point778	778	575,719.6	992,463.8	1,353.20					
JomaxRd_EB	24.0	point787	787	575,716.6	992,429.0	1,352.90				Average	
		point780	780	575,522.1	992,429.9	1,353.70				Average	
		point781	781	575,392.6	992,430.7	1,354.10				Average	
		point782	782	575,254.8	992,431.5	1,353.70				Average	
		point783	783	575,071.6	992,432.5	1,353.00				Average	
		point784	784	574,922.4	992,433.4	1,352.60				Average	
		point785	785	574,832.8	992,435.6	1,351.80					
HappyValleyRd_EB	36.0	point788	788	574,879.4	987,953.4	1,319.90				Average	
		point789	789	574,983.1	987,974.5	1,319.80				Average	
		point790	790	575,079.8	987,984.9	1,320.30				Average	
		point791	791	575,216.2	987,985.6	1,321.20				Average	
		point792	792	575,349.6	987,986.3	1,322.30				Average	
		point793	793	575,480.3	987,986.9	1,323.20				Average	
		point794	794	575,621.6	987,987.2	1,324.30				Average	
		point795	795	575,769.4	987,987.1	1,325.10					
HappyValleyRd_WB	36.0	point821	821	577,041.8	988,041.9	1,326.70				Average	
		point806	806	576,787.1	988,044.0	1,326.70				Average	
		point807	807	576,558.7	988,043.5	1,326.70				Average	
		point808	808	576,240.6	988,042.7	1,327.90				Average	

INPUT: ROADWAYS
T0428 El Mirage Rd

		point809	809	576,022.7	988,042.3	1,326.80				Average	
		point810	810	575,844.9	988,042.7	1,326.10					
HappyValleyRd_EB-2-2	36.0	point824	824	575,769.4	987,987.1	1,325.10				Average	
		point798	798	576,042.0	987,987.7	1,327.00				Average	
		point799	799	576,266.4	987,988.0	1,327.90				Average	
		point800	800	576,470.6	987,987.8	1,327.20				Average	
		point801	801	576,730.1	987,987.5	1,327.20				Average	
		point802	802	577,043.5	987,987.6	1,327.20					
HappyValleyRd_WB-2-2	36.0	point826	826	575,844.9	988,042.7	1,326.10				Average	
		point813	813	575,486.7	988,043.8	1,323.40				Average	
		point814	814	575,284.8	988,040.1	1,322.30				Average	
		point815	815	575,130.2	988,037.2	1,321.40				Average	
		point816	816	575,035.1	988,031.0	1,320.80				Average	
		point817	817	574,952.7	988,020.3	1,320.50				Average	
		point818	818	574,867.0	988,003.6	1,320.90					
ElMirageRd	24.0	point889	889	575,820.2	991,577.8	1,340.70				Average	
		point868	868	575,820.4	991,468.0	1,339.90				Average	
		point869	869	575,820.8	991,268.0	1,338.80				Average	
		point870	870	575,821.4	991,068.0	1,337.70				Average	
		point871	871	575,822.5	990,868.0	1,336.90				Average	
		point872	872	575,822.9	990,668.0	1,335.90				Average	
		point873	873	575,823.0	990,468.0	1,335.00				Average	
		point874	874	575,823.4	990,268.0	1,334.10				Average	
		point875	875	575,824.7	990,068.0	1,333.70				Average	
		point876	876	575,825.4	989,868.0	1,333.80				Average	
		point877	877	575,826.1	989,668.0	1,333.60				Average	
		point878	878	575,826.6	989,468.0	1,333.10				Average	
		point879	879	575,826.1	989,268.0	1,332.70				Average	
		point880	880	575,823.2	989,068.0	1,332.50				Average	
		point881	881	575,824.3	988,868.0	1,332.10				Average	
		point882	882	575,826.7	988,668.0	1,331.40				Average	
		point883	883	575,832.5	988,468.1	1,330.00				Average	
		point884	884	575,838.3	988,268.2	1,328.30				Average	
		point885	885	575,839.3	988,045.9	1,325.60					
ElMirageRd2	24.0	point890	890	575,719.7	994,084.9	1,354.50				Average	
		point858	858	575,719.7	993,885.1	1,354.50				Average	
		point859	859	575,719.8	993,685.3	1,354.50				Average	
		point860	860	575,719.9	993,485.5	1,354.50				Average	
		point861	861	575,720.0	993,285.7	1,353.20				Average	

INPUT: ROADWAYS

T0428 El Mirage Rd

		point862	862	575,720.1	993,085.9	1,352.30				Average	
		point863	863	575,720.1	992,886.1	1,352.50				Average	
		point864	864	575,720.2	992,686.2	1,353.80				Average	
		point865	865	575,722.2	992,486.5	1,353.40					

INPUT: TRAFFIC FOR LAeq1h Volumes

T0428 El Mirage Rd

AZTEC												
AZTEC												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	T0428 El Mirage Rd											
RUN:	El Mirage Rd, Existing											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
JomaxRd_WB	point773	773	32	30	1	30	0	0	0	0	0	0
	point774	774	32	30	1	30	0	0	0	0	0	0
	point775	775	32	30	1	30	0	0	0	0	0	0
	point776	776	32	30	1	30	0	0	0	0	0	0
	point777	777	32	30	1	30	0	0	0	0	0	0
	point778	778										
JomaxRd_EB	point787	787	32	30	1	30	0	0	0	0	0	0
	point780	780	32	30	1	30	0	0	0	0	0	0
	point781	781	32	30	1	30	0	0	0	0	0	0
	point782	782	32	30	1	30	0	0	0	0	0	0
	point783	783	32	30	1	30	0	0	0	0	0	0
	point784	784	32	30	1	30	0	0	0	0	0	0
	point785	785										
HappyValleyRd_EB	point788	788	860	50	323	50	4	50	0	0	0	0
	point789	789	860	50	323	50	4	50	0	0	0	0
	point790	790	860	50	323	50	4	50	0	0	0	0
	point791	791	860	50	323	50	4	50	0	0	0	0
	point792	792	860	50	323	50	4	50	0	0	0	0
	point793	793	860	50	323	50	4	50	0	0	0	0
	point794	794	860	50	323	50	4	50	0	0	0	0
	point795	795										
HappyValleyRd_WB	point821	821	820	50	217	50	2	50	0	0	0	0
	point806	806	820	50	217	50	2	50	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
T0428 El Mirage Rd

	point807	807	820	50	217	50	2	50	0	0	0	0
	point808	808	820	50	217	50	2	50	0	0	0	0
	point809	809	820	50	217	50	2	50	0	0	0	0
	point810	810										
HappyValleyRd_EB-2-2	point824	824	820	50	217	50	2	50	0	0	0	0
	point798	798	820	50	217	50	2	50	0	0	0	0
	point799	799	820	50	217	50	2	50	0	0	0	0
	point800	800	820	50	217	50	2	50	0	0	0	0
	point801	801	820	50	217	50	2	50	0	0	0	0
	point802	802										
HappyValleyRd_WB-2-2	point826	826	860	50	323	50	4	50	0	0	0	0
	point813	813	860	50	323	50	4	50	0	0	0	0
	point814	814	860	50	323	50	4	50	0	0	0	0
	point815	815	860	50	323	50	4	50	0	0	0	0
	point816	816	860	50	323	50	4	50	0	0	0	0
	point817	817	860	50	323	50	4	50	0	0	0	0
	point818	818										
ElMirageRd	point889	889	58	45	2	45	0	0	0	0	0	0
	point868	868	58	45	2	45	0	0	0	0	0	0
	point869	869	58	45	2	45	0	0	0	0	0	0
	point870	870	58	45	2	45	0	0	0	0	0	0
	point871	871	58	45	2	45	0	0	0	0	0	0
	point872	872	58	45	2	45	0	0	0	0	0	0
	point873	873	58	45	2	45	0	0	0	0	0	0
	point874	874	58	45	2	45	0	0	0	0	0	0
	point875	875	58	45	2	45	0	0	0	0	0	0
	point876	876	58	45	2	45	0	0	0	0	0	0
	point877	877	58	45	2	45	0	0	0	0	0	0
	point878	878	58	45	2	45	0	0	0	0	0	0
	point879	879	58	45	2	45	0	0	0	0	0	0
	point880	880	58	45	2	45	0	0	0	0	0	0
	point881	881	58	45	2	45	0	0	0	0	0	0
	point882	882	58	45	2	45	0	0	0	0	0	0
	point883	883	58	45	2	45	0	0	0	0	0	0
	point884	884	58	45	2	45	0	0	0	0	0	0
	point885	885										

INPUT: TRAFFIC FOR LAeq1h Volumes**T0428 El Mirage Rd**

ElMirageRd2	point890	890	318	45	3	45	2	45	0	0	0	0
	point858	858	318	45	3	45	2	45	0	0	0	0
	point859	859	318	45	3	45	2	45	0	0	0	0
	point860	860	318	45	3	45	2	45	0	0	0	0
	point861	861	318	45	3	45	2	45	0	0	0	0
	point862	862	318	45	3	45	2	45	0	0	0	0
	point863	863	318	45	3	45	2	45	0	0	0	0
	point864	864	318	45	3	45	2	45	0	0	0	0
	point865	865										

INPUT: BARRIERS

T0428 El Mirage Rd

AZTEC					25 July 2025														
AZTEC					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:		T0428 El Mirage Rd																	
RUN:		El Mirage Rd, Existing																	
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl		Name	No.	Coordinates (bottom)			Height	Segment			
		Min	Max	\$ per Unit Area	\$ per Unit Vol.	Top Width	Run:Rise	\$ per Unit Length				X	Y	Z	at Point	Seg	Ht	Perturbs	On
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft				ft	ft	ft	ft	ft			
PW1	W	0.00	99.99	0.00				0.00		point1	1	576,985.4	988,091.3	1,329.00	6.00	0.00	0	0	
										point2	2	576,718.0	988,195.5	1,329.00	6.00	0.00	0	0	
										point3	3	576,633.4	988,217.0	1,329.26	6.00	0.00	0	0	
										point4	4	576,586.9	988,222.8	1,327.87	6.00	0.00	0	0	
										point5	5	576,588.8	988,276.3	1,327.87	6.00				
PW3	W	0.00	99.99	0.00				0.00		point15	15	575,877.9	989,488.2	1,335.11	6.00	0.00	0	0	
										point16	16	575,877.9	989,724.4	1,334.46	6.00	0.00	0	0	
										point17	17	575,877.9	990,007.8	1,335.42	6.00	0.00	0	0	
										point18	18	575,908.0	990,087.6	1,335.03	6.00	0.00	0	0	
										point19	19	575,996.5	990,142.2	1,335.14	6.00	0.00	0	0	
										point83	83	576,167.6	990,124.4	1,335.14	6.00	0.00	0	0	
										point20	20	576,370.8	990,039.3	1,335.14	6.00				
PW8	W	0.00	99.99	0.00				0.00		point48	48	575,672.5	994,521.1	1,355.65	6.00	0.00	0	0	
										point49	49	575,667.6	993,426.1	1,354.54	6.00	0.00	0	0	
										point50	50	575,664.7	993,426.2	1,354.48	6.00	0.00	0	0	
										point51	51	575,662.7	993,288.0	1,353.87	6.00	0.00	0	0	
										point52	52	575,669.5	993,245.4	1,353.06	6.00	0.00	0	0	
										point53	53	575,635.8	993,202.2	1,352.57	6.00	0.00	0	0	
										point54	54	575,596.3	993,196.8	1,352.73	6.00	0.00	0	0	
										point55	55	575,544.8	993,202.4	1,353.93	6.00	0.00	0	0	
										point56	56	575,545.3	993,097.5	1,354.28	6.00	0.00	0	0	
										point57	57	575,540.7	993,097.4	1,354.80	6.00	0.00	0	0	
										point58	58	575,541.5	992,988.6	1,354.63	6.00	0.00	0	0	
										point59	59	575,567.6	992,987.0	1,353.67	6.00	0.00	0	0	
										point60	60	575,600.0	992,968.0	1,351.84	6.00	0.00	0	0	
										point61	61	575,614.6	992,939.1	1,352.55	6.00	0.00	0	0	
										point62	62	575,605.8	992,894.3	1,352.80	6.00	0.00	0	0	
										point63	63	575,606.1	992,796.3	1,352.57	6.00	0.00	0	0	
										point64	64	575,606.3	992,736.5	1,352.56	6.00	0.00	0	0	
										point65	65	575,617.2	992,701.8	1,352.13	6.00	0.00	0	0	
										point66	66	575,605.5	992,665.4	1,351.38	6.00	0.00	0	0	
										point67	67	575,578.9	992,643.7	1,351.73	6.00	0.00	0	0	
										point68	68	575,537.7	992,640.8	1,354.04	6.00	0.00	0	0	
										point69	69	575,538.2	992,534.3	1,354.60	6.00	0.00	0	0	
										point70	70	575,427.9	992,531.4	1,354.37	6.00	0.00	0	0	

INPUT: BARRIERS

T0428 El Mirage Rd

									point71	71	575,427.8	992,535.1	1,355.37	6.00	0.00	0	0		
									point72	72	574,850.3	992,525.1	1,355.23	6.00					
PW2	W	0.00	99.99	0.00				0.00	point74	74	576,538.3	988,417.3	1,329.00	6.00	0.00	0	0		
									point7	7	576,462.5	988,417.7	1,329.00	6.00	0.00	0	0		
									point8	8	576,464.4	988,781.9	1,330.00	6.00	0.00	0	0		
									point9	9	576,458.7	989,000.4	1,331.00	6.00	0.00	0	0		
									point10	10	576,457.0	989,329.7	1,335.00	6.00	0.00	0	0		
									point11	11	576,118.5	989,329.6	1,335.00	6.00	0.00	0	0		
									point12	12	575,993.4	989,329.6	1,334.41	6.00	0.00	0	0		
									point13	13	575,915.2	989,393.7	1,334.65	6.00	0.00	0	0		
									point14	14	575,877.9	989,488.2	1,335.11	6.00					
PW4	W	0.00	99.99	0.00				0.00	point76	76	576,383.3	990,140.8	1,335.57	6.00	0.00	0	0		
									point84	84	576,188.2	990,221.5	1,335.57	6.00	0.00	0	0		
									point22	22	576,017.2	990,241.5	1,335.57	6.00	0.00	0	0		
									point23	23	576,015.2	990,326.7	1,336.30	6.00	0.00	0	0		
									point24	24	575,957.0	990,401.7	1,336.62	6.00	0.00	0	0		
									point25	25	575,882.7	990,400.5	1,336.63	6.00	0.00	0	0		
									point26	26	575,872.0	990,410.6	1,336.50	6.00	0.00	0	0		
									point27	27	575,871.6	990,547.9	1,337.54	6.00	0.00	0	0		
									point28	28	575,870.9	990,749.6	1,337.26	6.00	0.00	0	0		
									point29	29	575,930.3	990,780.8	1,337.68	6.00	0.00	0	0		
									point30	30	575,929.8	990,800.1	1,337.19	6.00	0.00	0	0		
									point31	31	576,043.3	990,799.7	1,337.94	6.00	0.00	0	0		
									point32	32	576,043.7	990,887.8	1,337.54	6.00					
PW5	W	0.00	99.99	0.00				0.00	point78	78	575,964.7	990,900.3	1,338.39	6.00	0.00	0	0		
									point35	35	575,881.0	990,900.3	1,338.01	6.00	0.00	0	0		
									point36	36	575,881.0	990,991.1	1,337.90	6.00	0.00	0	0		
									point37	37	575,954.9	990,991.1	1,338.31	6.00					
PW6	W	0.00	99.99	0.00				0.00	point80	80	575,963.1	991,077.8	1,338.02	6.00	0.00	0	0		
									point39	39	575,878.4	991,077.6	1,338.45	6.00	0.00	0	0		
									point40	40	575,877.2	991,303.0	1,339.70	6.00	0.00	0	0		
									point41	41	575,876.8	991,393.8	1,340.46	6.00	0.00	0	0		
									point42	42	575,876.0	991,529.1	1,341.24	6.00	0.00	0	0		
									point43	43	575,960.2	991,529.6	1,341.36	6.00					
PW7	W	0.00	99.99	0.00				0.00	point82	82	575,886.2	991,620.6	1,342.47	6.00	0.00	0	0		
									point46	46	575,885.8	991,694.8	1,342.50	6.00	0.00	0	0		
									point47	47	576,526.6	991,697.4	1,342.43	6.00					
Barrier15	W	0.00	99.99	0.00				0.00	point85	85	576,040.1	990,631.3	1,337.86	6.00	0.00	0	0		
									point86	86	576,038.7	990,459.4	1,337.86	6.00					
Barrier16	W	0.00	99.99	0.00				0.00	point87	87	576,042.3	990,798.4	1,337.94	6.00	0.00	0	0		
									point88	88	576,040.0	990,702.6	1,337.94	6.00					
Barrier17	W	0.00	99.99	0.00				0.00	point89	89	576,288.0	991,106.2	1,338.00	6.00	0.00	0	0		
									point90	90	576,289.5	990,948.2	1,338.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point131	91	576,018.4	991,321.1	1,340.80	6.00	0.00	0	0		
									point129	92	576,018.4	991,170.5	1,340.80	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point125	93	576,017.6	991,543.0	1,341.77	6.00	0.00	0	0		
									point126	94	576,017.6	991,392.4	1,341.77	6.00					

INPUT: RECEIVERS
T0428 El Mirage Rd

AZTEC											
AZTEC											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	T0428 El Mirage Rd										
RUN:	El Mirage Rd, Existing										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
E13	13	2	576,818.0	988,192.8	1,329.00	5.00	0.00	66	15.0	7.0	Y
E14	14	2	576,728.4	988,209.0	1,329.00	5.00	0.00	66	15.0	7.0	Y
E15	15	2	576,594.8	988,239.1	1,329.00	5.00	0.00	66	15.0	7.0	Y
E16	16	1	576,180.1	988,435.4	1,329.00	5.00	0.00	66	15.0	7.0	Y
E17	17	3	576,487.7	988,456.0	1,329.00	5.00	0.00	66	15.0	7.0	Y
E18	18	4	576,496.1	988,637.9	1,330.00	5.00	0.00	66	15.0	7.0	Y
E19	19	3	576,494.6	988,779.8	1,330.00	5.00	0.00	66	15.0	7.0	Y
E20	20	2	576,545.9	988,968.5	1,331.00	5.00	0.00	66	15.0	7.0	Y
E21	21	1	576,167.2	989,025.2	1,331.00	5.00	0.00	66	15.0	7.0	Y
E22	22	3	576,121.1	989,354.2	1,335.00	5.00	0.00	66	15.0	7.0	Y
E23	23	3	575,944.1	989,396.2	1,335.69	5.00	0.00	66	15.0	7.0	Y
E24	24	3	575,898.2	989,584.2	1,335.40	5.00	0.00	66	15.0	7.0	Y
E25	25	2	576,060.2	989,592.6	1,334.75	5.00	0.00	66	15.0	7.0	Y
E26	26	2	576,132.9	989,657.9	1,335.00	5.00	0.00	66	15.0	7.0	Y
E27	27	3	575,898.2	989,719.3	1,334.35	5.00	0.00	66	15.0	7.0	Y
E28	28	2	576,133.9	989,750.4	1,335.00	5.00	0.00	66	15.0	7.0	Y
E29	29	3	575,922.1	989,857.8	1,334.60	5.00	0.00	66	15.0	7.0	Y
E30	30	2	576,055.2	989,903.8	1,335.38	5.00	0.00	66	15.0	7.0	Y
E31	31	3	575,896.2	989,995.6	1,335.25	5.00	0.00	66	15.0	7.0	Y
E32	32	2	575,986.2	990,114.1	1,335.28	5.00	0.00	66	15.0	7.0	Y
E33	33	2	576,106.4	990,119.0	1,335.00	5.00	0.00	66	15.0	7.0	Y
E34	34	2	576,021.1	990,259.3	1,336.43	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS
T0428 El Mirage Rd

E35	35	2	575,894.4	990,412.2	1,336.91	5.00	0.00	66	15.0	7.0	Y
E36	36	2	575,897.4	990,540.4	1,337.27	5.00	0.00	66	15.0	7.0	Y
E37	37	2	576,050.3	990,537.5	1,337.86	5.00	0.00	66	15.0	7.0	Y
E38	39	1	575,891.7	990,635.8	1,337.65	5.00	0.00	66	15.0	7.0	Y
E39	40	2	576,047.9	990,772.1	1,338.31	5.00	0.00	66	15.0	7.0	Y
E40	41	2	575,899.7	990,986.6	1,339.10	5.00	0.00	66	15.0	7.0	Y
E41	42	3	576,054.3	991,072.5	1,336.36	5.00	0.00	66	15.0	7.0	Y
E42	43	2	575,897.6	991,086.1	1,339.34	5.00	0.00	66	15.0	7.0	Y
E43	44	3	575,896.4	991,217.4	1,339.48	5.00	0.00	66	15.0	7.0	Y
E44	45	2	576,033.7	991,261.4	1,340.80	5.00	0.00	66	15.0	7.0	Y
E45	46	3	575,896.4	991,360.7	1,340.83	5.00	0.00	66	15.0	7.0	Y
E46	47	2	576,032.8	991,481.1	1,341.77	5.00	0.00	66	15.0	7.0	Y
E47	48	2	575,899.9	991,523.4	1,341.29	5.00	0.00	66	15.0	7.0	Y
E48	49	2	576,011.0	991,651.8	1,342.40	5.00	0.00	66	15.0	7.0	Y
E49	50	2	575,896.2	991,672.6	1,342.70	5.00	0.00	66	15.0	7.0	Y
E50	51	1	576,133.6	991,864.0	1,343.00	5.00	0.00	66	15.0	7.0	Y
E51	52	1	576,131.9	992,362.9	1,347.00	5.00	0.00	66	15.0	7.0	Y
E52	53	1	576,131.7	992,875.2	1,351.00	5.00	0.00	66	15.0	7.0	Y
E53	54	1	576,131.5	993,239.8	1,352.00	5.00	0.00	66	15.0	7.0	Y
W15	69	1	575,429.6	988,549.4	1,329.09	5.00	0.00	66	15.0	7.0	Y
W16	70	1	575,427.1	989,049.4	1,329.28	5.00	0.00	66	15.0	7.0	Y
W17	71	1	575,424.8	989,549.4	1,329.54	5.00	0.00	66	15.0	7.0	Y
W18	72	1	575,422.3	990,049.4	1,332.33	5.00	0.00	66	15.0	7.0	Y
W19	73	1	575,419.9	990,549.4	1,334.77	5.00	0.00	66	15.0	7.0	Y
W20	74	1	575,417.4	991,049.4	1,337.58	5.00	0.00	66	15.0	7.0	Y
W21	75	1	575,415.0	991,549.4	1,340.55	5.00	0.00	66	15.0	7.0	Y
W22	76	1	575,412.6	992,049.4	1,347.87	5.00	0.00	66	15.0	7.0	Y
W23	77	2	575,536.2	992,551.3	1,354.54	5.00	0.00	66	15.0	7.0	Y
W24	79	2	575,423.9	992,556.7	1,355.17	5.00	0.00	66	15.0	7.0	Y
W25	80	2	575,547.9	992,835.9	1,354.67	5.00	0.00	66	15.0	7.0	Y
W26	81	2	575,432.8	992,832.6	1,355.15	5.00	0.00	66	15.0	7.0	Y
W27	82	2	575,540.9	993,112.3	1,354.69	5.00	0.00	66	15.0	7.0	Y
W28	84	2	575,443.2	993,115.2	1,355.27	5.00	0.00	66	15.0	7.0	Y
W29	85	2	575,601.0	993,351.7	1,354.08	5.00	0.00	66	15.0	7.0	Y
W30	86	2	575,507.0	993,393.4	1,357.14	5.00	0.00	66	15.0	7.0	Y
Mon3	90	1	576,470.6	988,359.4	1,329.00	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS**T0428 El Mirage Rd**

Mon4	91	1	575,865.8	990,371.9	1,334.13	5.00	0.00	66	15.0	7.0	Y
Mon5	92	1	575,620.8	993,370.2	1,353.42	5.00	0.00	66	15.0	7.0	Y
E22A	94	3	576,249.1	989,361.5	1,335.00	5.00	0.00	66	15.0	7.0	Y
E22B	95	2	576,370.8	989,356.4	1,335.00	5.00	0.00	66	15.0	7.0	Y
E25A	96	2	576,147.0	989,597.8	1,334.75	5.00	0.00	66	15.0	7.0	Y
E25B	97	2	576,265.1	989,594.9	1,334.75	5.00	0.00	66	15.0	7.0	Y
E25C	98	3	576,434.2	989,599.2	1,334.75	5.00	0.00	66	15.0	7.0	Y
E26A	99	3	576,335.8	989,695.5	1,335.00	5.00	0.00	66	15.0	7.0	Y
E28A	100	3	576,243.9	989,788.9	1,335.00	5.00	0.00	66	15.0	7.0	Y
E30A	101	3	576,154.3	989,910.6	1,335.38	5.00	0.00	66	15.0	7.0	Y
E31A	102	3	576,325.4	990,014.8	1,335.25	5.00	0.00	66	15.0	7.0	Y
E30B	103	3	576,439.2	989,925.4	1,335.38	5.00	0.00	66	15.0	7.0	Y
E33A	104	3	576,382.8	990,156.1	1,335.00	5.00	0.00	66	15.0	7.0	Y
E34A	105	4	576,194.4	990,235.7	1,336.43	5.00	0.00	66	15.0	7.0	Y
E37A	106	4	576,131.2	990,539.9	1,337.86	5.00	0.00	66	15.0	7.0	Y
E37B	107	4	576,226.8	990,539.2	1,337.86	5.00	0.00	66	15.0	7.0	Y
E35A	108	3	576,289.4	990,469.9	1,336.91	5.00	0.00	66	15.0	7.0	Y
E37C	109	4	576,362.3	990,543.6	1,337.86	5.00	0.00	66	15.0	7.0	Y
E39A	110	4	576,132.8	990,778.9	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39B	111	4	576,227.2	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39C	112	4	576,319.5	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E39D	113	4	576,410.6	990,774.3	1,338.31	5.00	0.00	66	15.0	7.0	Y
E41A	114	4	576,302.4	991,042.1	1,338.00	5.00	0.00	66	15.0	7.0	Y
E41B	115	4	576,388.9	991,041.0	1,338.00	5.00	0.00	66	15.0	7.0	Y
E44A	116	4	576,113.4	991,263.2	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44B	117	4	576,207.9	991,260.9	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44C	118	4	576,296.7	991,265.5	1,340.80	5.00	0.00	66	15.0	7.0	Y
E44D	119	4	576,391.2	991,264.3	1,340.80	5.00	0.00	66	15.0	7.0	Y
E46A	120	4	576,113.4	991,484.2	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46B	121	4	576,204.5	991,482.0	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46C	122	4	576,295.6	991,485.4	1,341.77	5.00	0.00	66	15.0	7.0	Y
E46D	123	4	576,390.1	991,488.8	1,341.77	5.00	0.00	66	15.0	7.0	Y
E48A	124	2	576,092.9	991,657.7	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48B	125	2	576,184.0	991,655.9	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48C	126	2	576,275.1	991,656.8	1,342.40	5.00	0.00	66	15.0	7.0	Y
E48D	127	2	576,361.6	991,651.3	1,342.40	5.00	0.00	66	15.0	7.0	Y

INPUT: RECEIVERS**T0428 El Mirage Rd**

E48E	128	2	576,456.4	991,654.9	1,342.40	5.00	0.00	66	15.0	7.0	Y
W24A	129	2	575,315.6	992,554.6	1,355.37	5.00	0.00	66	15.0	7.0	Y
W24B	130	2	575,198.9	992,568.6	1,355.37	5.00	0.00	66	15.0	7.0	Y
W24C	131	1	575,096.3	992,559.9	1,355.37	5.00	0.00	66	15.0	7.0	Y
W26A	132	4	575,322.2	992,843.8	1,355.15	5.00	0.00	66	15.0	7.0	Y
W26B	133	6	575,198.4	992,837.2	1,355.15	5.00	0.00	66	15.0	7.0	Y
W28A	134	4	575,346.8	993,120.6	1,355.27	5.00	0.00	66	15.0	7.0	Y
W28B	135	4	575,236.0	993,117.0	1,355.27	5.00	0.00	66	15.0	7.0	Y
W28C	136	2	575,116.4	993,116.2	1,355.27	5.00	0.00	66	15.0	7.0	Y
W30A	137	4	575,380.0	993,409.7	1,357.14	5.00	0.00	66	15.0	7.0	Y
W30B	138	4	575,272.1	993,399.4	1,357.14	5.00	0.00	66	15.0	7.0	Y
W30C	139	2	575,121.6	993,396.6	1,357.14	5.00	0.00	66	15.0	7.0	Y

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