Acoustical Analysis Report for Otay Ranch Village 14 and Planning Areas 16/19

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Summary of Noise Technical Report Changes

Section (Page)	Change	Reason for Change
Appendix 2.8-1, Noise Technical Report		
Section 4.2 (page 24)	Revised the words “immediately adjacent to” to “within” to describe the location of existing Noise Sensitive Land Uses.	Clarification
Section 8.2.2 (page 50)	Replaced “3,100’” with “2,900’” to describe the proximity to existing residences.	Correction

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GLOSSARY OF TERMS AND ACRONYMS

Term	Definition
ADT	Average Daily Traffic Volume
AMSL	above mean sea level
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
CNEL	Community Noise Equivalent Level - CNEL is the average equivalent A-weighted sound level during a 24-hour day and it is calculated by adding 5 dB to sound levels in the evening (7 p.m. to 10 p.m.) and adding 10 dB to sound levels in the night (10 p.m. to 7 a.m.).
dB	Decibel - A unit for measuring sound pressure level and is equal to 10 times the logarithm to the base 10 of the ratio of the measured sound pressure squared to a reference pressure, which is 20 micropascals.
dBA	A-weighted decibel
EPA	Environmental Protection Agency
L_{den}	Day/Evening//Night Noise Equivalent Level – same as CNEL
L_{eq}	Equivalent continuous sound level
L_{max}	Maximum sound level during the measurement interval
$L_{eq(h)}$	Hourly Equivalent Noise Level - The sound level corresponding to a steady state sound level containing the same total energy as a time varying signal over an hour period.
mph	miles per hour – average vehicle travel speed
NSLUs	Noise Sensitive Land Uses
MSCP	Multiple Species Conservation Program
OWD	Otay Water District
PPP	private pocket park
SDCWA	San Diego County Water Authority
SR	State Route
SRP	Subregional Plan
TNM	Federal Highway Administration Traffic Noise Model - TNM 2.5
MWD	Metropolitan Water District
USFWS	U.S. Fish and Wildlife Service

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SUMMARY

Dudek has prepared this noise study for the proposed Otay Ranch Village 14 and Planning Areas 16/19 (Proposed Project) to evaluate exterior noise impacts associated with traffic along Proctor Valley Road and roadways predicted to experience potentially significant increases in traffic volumes as a result of the Proposed Project (San Miguel Ranch Road, Mount Miguel Road, Hunte Parkway, Lane Avenue, Northwoods Drive, and Melody Road). Proposed Project on-site operational noise, construction noise, and vibration (including blasting and rock-crushing activities) are also evaluated.

The primary existing noise source within the Project Area is vehicular traffic from Proctor Valley Road. Proctor Valley Road is currently a two-lane, unimproved, dirt roadway with an average daily traffic volume (ADT) of approximately 200 ADT within the Project Area (defined as follows). By the year 2030, the traffic volume along Proctor Valley Road within the Project Area (south of driveway no. 1) is projected to be up to 17,900 ADT without the Proposed Project and 29,400 ADT with the Proposed Project with full GDP/SRP Build-Out.[1] No other noise sources potentially affecting the Proposed Project have been identified.

The future traffic noise is anticipated to exceed the County of San Diego (County) noise standard of 60 decibels (dB) Community Noise Equivalent Level (CNEL) at the outdoor living areas of single-family lots adjacent to Proctor Valley Road without mitigation. With mitigation in the form of 6-foot-high noise barriers, traffic noise levels are reduced to below the County's 60 dB CNEL exterior noise criterion. Without implementation of noise mitigation measures, noise levels would exceed 60 dB CNEL at the second-floor level of the single-family residential lots directly adjacent to Proctor Valley Road, thus exceeding the County's 45 dB CNEL interior noise criterion. Prior to issuance of building permits, an interior noise study will be required for residential units adjacent to Proctor Valley Road to ensure that the interior CNEL will not exceed 45 dB. The residences would most likely require air-conditioning and/or mechanical ventilation (i.e., heating, ventilation and air conditioning (HVAC)) systems to meet the County's interior noise standard. Sound-rated windows may also be required.

[1] Year 2030 Cumulative Conditions with full GDP/SRP build-out traffic conditions assume that all of the additional dwelling units allowed under the approved Otay Ranch GDP/SRP, in the areas not included within the site of the Proposed Project, would be developed. This is a theoretical, highly unlikely scenario as the site of a majority of the additional dwelling units that would be developed under this scenario is located in Village 14 and Planning Area 16 on state property (Rancho Jamul Preserve). Accordingly, it is highly unlikely that these additional units would ever be developed. However, as a conservative measure, and to be consistent with the project's worst-case traffic analysis (Chen Ryan Associates 2017), these traffic conditions are analyzed at proposed on-site noise-sensitive land uses. For off-site noise-sensitive receivers, the traffic volumes for the Year 2030 Cumulative Conditions are used.

Noise from on-site operational activities is considered a potentially significant impact. The Proposed Project's operational noise sources would include air-conditioning units at each of the residential land uses. The impact of noise from HVAC equipment or other noise-generating on-site equipment under the Proposed Project is considered a potentially significant impact. Mitigation measures are provided (i.e., preparation of an acoustical study or studies of the proposed stationary noise sources ensuring compliance with applicable standards prior to the issuance of building permits) to reduce potential impacts to a level below significance.

Noise from on-site rock drilling, blasting, and rock crushing activities associated with Proposed Project construction is considered potentially significant, and mitigation measures to reduce potential effects to a level below significance are provided in this report. Construction noise, associated with improvement of Proctor Valley Road and on-site construction activities, would result in potentially significant impacts at adjacent, occupied residences. Mitigation measures in the form of the requirement for preparation and implementation of a blasting and monitoring plan and the requirement of minimum setbacks to reduce these potential effects to a level below significance are provided in this report.

Construction activities would result in vibration anticipated to exceed the level of human perception at existing off-site noise/vibration sensitive land uses; the potential vibration impacts to these residential structures are considered potentially significant. Because the development of the Proposed Project would be a multi-year endeavor, portions of the development would be completed and occupied during the construction of subsequent portions (phases). Vibration from construction activities, if they occur within 200 feet of on-site residences, has the potential to result in vibration levels considered potentially significant. Mitigation measures in the form of the requirement for preparation and implementation of a vibration-monitoring program are provided to ensure that potential effects are reduced to a level below significance.

1 INTRODUCTION

Dudek has prepared this noise study for the Otay Ranch Village 14 and Planning Areas 16/19 (Proposed Project), evaluating exterior noise impacts associated with Proposed Project–related traffic on Proctor Valley Road and other arterial roadways in the Project Area, as well as construction and on-site operational noise and vibration.

This analysis is based on the Proposed Project's Tentative Parcel Map (TM 5616). Field noise measurement data are included in Appendix A, and sound modeling application input/output data are included in Appendix B.

1.1 Proposed Project Location and Description

Overview and Background

The Proposed Project is part of the overall Otay Ranch, an approximately 23,000-acre master-planned community in southern San Diego County (County) designed as a series of villages and planning areas. The Proposed Project addressed by this technical report is located within a portion of Otay Ranch Village 14 and Planning Areas 16/19 in the Proctor Valley area of Otay Ranch, as shown in Figure 1, Regional Map; Figure 2, Project Location Map; and Figure 3, Proctor Valley Site Utilization Plan.

The purpose of the Proposed Project is to implement the adopted Otay Ranch General Development Plan/Subregional Plan, Volume II (County of San Diego 1993) (Otay Ranch GDP/SRP) and complete the planned development within Jackson Pendo Development Company's (applicant) ownership of Village 14 and Planning Areas 16/19. The Otay Ranch GDP/SRP is a component part of the County General Plan (County of San Diego 2011a) and allows for a total of 2,123 homes in Otay Ranch Village 14 and Planning Areas 16/19. The Proposed Project's 1,119 homes represent a portion of the total 2,123 homes originally authorized in the Otay Ranch GDP/SRP.

The Proposed Project is designed to be consistent with the Otay Ranch GDP/SRP's Village Character Policy "to serve as a transitional area between urban densities to the west and Jamul to the east". The Proposed Project is therefore designed to provide a transitional village between the densities and character of eastern Chula Vista and the more rural community of Jamul. The Proposed Project proposes 1,119[2] homes, of which 994 are in Village 14 and 125 homes in Planning Areas 16/19 as shown in Table 1, Village 14 and Planning Areas 16/19 Site Utilization Plan Summary.

[2] Includes 97 residential units allocated to school site at 10 dwelling units per acre per Otay Ranch GDP/SRP policies in the event the school is not constructed. This technical report evaluates the impact assuming the more conservative land use (i.e., the greater impact). Footnote will not be repeated.

Table 1
Village 14 and Planning Areas 16/19 Site Utilization Plan Summary

Description	Village 14		Planning Areas 16/19		Total Proposed Project	
	Gross Acres[a,b]	*Target Units*[c]	*Gross Acres*[d,e]	*Target Units*	*Gross Acres*	*Target Units*
Residential Subtotal	*344.2*	*897.0*	*363.6*	*125*	*707.7*	*1,022*
Residential Use on School Site (9.7 acres)[c]	—	97	—	—	—	97
Non-Residential Uses						
Mixed Use[f]	1.7	—	—	—	1.7	—
Public Parks	13.8	—	1.4	—	15.2	—
Private Parks/Recreation[b]	4.5	—	—	—	4.5	—
Public Safety Site	2.3	—	—	—	2.3	—
Elementary School Site[c]	9.7	—	—	—	9.7	—
Open Space	27.6	—	2.1	—	29.7	—
Conserved Open Space	36.9	—	35.5	—	72.4	—
Otay Ranch RMP Preserve	270.2	—	156.5	—	426.7	—
Circulation	12.7	—	0.8	—	13.6	—
Non-Residential Uses Subtotal	*379.5*	—	*196.3*	—	*575.8*	—
Total Proposed Project[g]	**723.7**	**994**	**559.8**	**125**	**1,283.5**	**1,119**

a Residential gross acres in Village 14 include 96.0 acres of related internal slopes, fuel modification, and/or preserve edge.
b Village 14 has 5 acres of private pocket parks (PPP) included in the residential acreage; therefore, the subtotal, including PPP is 9.5 acres.
c Units allocated to school site at 10 dwelling units per acre per the Otay Ranch GDP/SRP policies. Should school site not be needed, 97 units may be built. Should the school site be needed, the Total Target Units is 897 in Village 14 and 1,022 total.
d Residential gross acres in Planning Areas 16/19 includes 14.1 acres of related private lift and pump stations.
e Residential gross acres in Planning Areas 16/19 includes 127.1 acres of limited development area (LDA). See Table 4 for details.
f Village 14 Mixed Use acreage includes 10,000 sf of commercial use.
g 85.4 acres of off-site impacts are in excluded from the acreage shown in Table 1. See Table 5 for details.

The following describes the major components and characteristics of the Proposed Project.

Definitions

County. The "County" is the County of San Diego jurisdiction.

Project Area. The "Project Area" is the applicant's ownership within Otay Ranch Village 14 and Planning Areas 16/19 in addition to certain off-site areas for infrastructure as depicted in Figure 1. The Project Area covers approximately 1,283.6 acres owned by the applicant and approximately 85.4 acres of off-site improvements described below, for a total of 1,369 acres.

Proposed Project. The "Proposed Project" is the applicant's ownership, as depicted in Figure 1. The specific plan for the Proposed Project is titled "Otay Ranch Village 14 and Planning Areas 16/19 Specific Plan." The Proposed Project includes a specific plan, general plan amendments, environmental impact report (EIR), rezone, tentative map, and an Otay Ranch RMP Amendment. The Proposed Project is further defined in Chapter 1, Project Description, of the Proposed Project's EIR, which is incorporated herein by reference. Except for the off-site improvements described below, the Proposed Project specifically excludes the State of California's ownership in Village 14 and Planning Areas 16/19, which remains approved for development per the County's General Plan and the Otay Ranch GDP/SRP. The underlying County General Plan and Otay Ranch GDP/SRP land uses on the state's property will remain unchanged. In addition, the "Inverted L" is excluded from this analysis as it is not owned by the applicant and is in the City of Chula Vista, (the property is owned by Otay Water District and the U.S. Fish and Wildlife Service (USFWS)).

Otay Ranch Village 14. "Otay Ranch Village 14" or "Village 14" as referred to herein is a discrete subset of the Proposed Project and reflects approximately 723.7 acres of the applicant's ownership located exclusively within Village 14 as depicted in Figure 2. Approximately 994 homes are planned around a Village Core in this area, as shown in Table 2, Village 14 Site Utilization Plan Detail.

Otay Ranch Planning Areas 16/19. "Otay Ranch Planning Areas 16/19" or "Planning Areas 16/19" is a discrete subset of the Proposed Project and reflects approximately 559.8 acres of the applicant's ownership located exclusively within Planning Areas 16/19 as depicted in Figure 2. Approximately 125 homes are planned on 1-acre- and 3-acre-average lots in this area, as shown in Table 3, Planning Areas 16/19 Site Utilization Plan Detail. Table 4, Planning Areas 16/19 LDA Detail, further describes 127.1 acres of Limited Development Area, defined below.

Limited Development Area. Limited Development Area (LDA) is a defined land use designation in the Otay Ranch GDP/SRP. "An open space easement will cover the areas

designated as 'Limited Development Area'…These areas will be left as natural open space with the exception that roads and utilities are anticipated to cross or lie within these areas…LDAs may be included within private lots but would have the following set of restrictions. Removal of native vegetation would be prohibited except as necessary for construction of roads and utilities. There would be no buildings or other structure, agriculture, landscaping, livestock, grazing, horses, trash disposal of fences allowed within these areas." Fuel modification is allowed in the LDA as "brushing for fire control zones would conform to the local fire district regulations." A total of 127.1 acres of LDA in Planning Areas 16/19 is further described in Table 4 LDA Detail. There is no LDA in Village 14.

Table 2
Village 14 Site Utilization Plan Detail

Description		Gross Acres[a,b]	Target Units	Density
Single-Family Residential				
R-1	50x85 (lot dimension)	18.0	81	4.5
R-2	60x100	38.5	82	2.1
R-3	71x100	41.1	73	1.8
R-4	Courtyard	13.8	116	8.4
R-5	50x100	35.0	103	2.9
R-6	60x100	25.7	71	2.8
R-7	60x85	40.7	108	2.7
R-8	60x100	28.7	75	2.6
R-9	75x100	30.0	74	2.5
R-10	70x85	25.1	49	1.9
R-11	80x100	28.6	61	2.1
R-12	4-acre minimum	18.9	4	0.2
Single Family Residential Subtotal		*344.2*	*897*	*2.6*
Residential Use on School Site (9.7 acres)[c]		—	97	—
Non-Residential Uses				
Mixed Use[d]	MU-C	1.7	—	—
Public Parks				
P-1	South Park	2.9	—	—
P-2	Village Green Park	7.2	—	—
P-3	Scenic Park	3.7	—	—
Public Parks Subtotal		*13.8*	—	—
Private Parks and Recreation				
PP-1	South	1.0	—	—
PP-2	Central	1.2	—	—
PP-3	Private Park	0.7	—	—

Table 2
Village 14 Site Utilization Plan Detail

Description		Gross Acres[a,b]	Target Units	Density
PP-4	North	1.5	—	—
Private Parks/Recreation Subtotal		*4.5*	—	—
Public Safety Site		2.3	—	—
Elementary School Site[c]		9.7	—	—
Open Space		27.6	—	—
Conserved Open Space		36.9	—	—
Otay Ranch RMP Preserve		270.2	—	—
Circulation – Arterial		12.7	—	—
Non-Residential Uses Subtotal		*379.5*	—	—
Village 14 Subtotal[e]		**723.7**	**994**	**1.4**

a Residential gross acres includes 96.0 acres of related internal slopes, fuel modification, and/or preserve edge open space lots.
b Village 14 has 5.0 acres of private pocket parks (PPPs) included in the residential acreage; therefore, the subtotal, including PPP, is 9.5 acres.
c Should the school site be needed, the total target units is 897.
d Village 14 mixed use acreage includes 10,000 square feet of commercial use.
e Off-site impacts are in excluded from the acreage shown in Table 2. See Table 5 for details.

Table 3
Planning Areas 16/19 Site Utilization Plan Detail

Description		Gross Acres[a,b]	Target Units	Density
Residential Uses				
R-13	Estates 1 acre avg	13.4	13	1.0
R-14	Ranchettes 2-acre minimum	192.0	71	0.4
R-15	Ranchettes 2-acre minimum	41.9	11	0.3
R-16	Ranchettes 2-acre minimum	116.3	30	0.3
Residential Subtotal		*363.55*	*125*	*0.3*
Non-Residential Uses				
Public Park P-4	Northern Park	1.4	—	—
Open Space		2.1	—	—
Conserved Open Space		35.5	—	—
Otay Ranch RMP Preserve		156.5	—	—
Circulation – Arterial		0.8	—	—
Non-Residential Uses Subtotal		*196.3*	—	—
Planning Areas 16/19 Subtotal[c]		**559.8**	**125.0**	**0.2**

a Gross acres includes 127.1 acres of LDA. See Table 4 for details.
b Residential gross acres includes 14.1 acres of related private lift and pump stations open space lots.
c Off-site impacts are in excluded from the acreage in Table 3. See Table 5 for details.

Table 4
Planning Areas 16/19 Limited Development Area Detail

Description		Component Acres		Acres
		LDA	*Other*	*Total*
Residential Uses				
R-13	Estates 1-acre average	0.0	13.4	13.4
R-14	Ranchettes 3-acre average	17.3	174.7	192.0
R-15	Ranchettes 3-acre average	27.1	14.8	41.9
R-16	Ranchettes 3-acre average	50.9	65.4	116.3
	Residential Subtotal	*95.3*	*268.3*	*363.6*
Non-Residential Uses				
Public Park P-4	Northern Park		1.4	1.4
Open Space			2.1	2.1
Conserved Open Space		31.9	3.6	35.5
Otay Ranch RMP Preserve			156.5	156.5
Circulation – Arterial			0.8	0.8
	Non-Residential Uses Subtotal	*31.9*	*164.4*	*196.3*
	Planning Areas 16/19 Subtotal	**127.1**	**432.7**	**559.8**

Otay Ranch RMP and "Multiple Species Conservation Program (MSCP) Preserve. The "Otay Ranch Resource Management Plan (RMP)" provides for the conservation, funding and management of the entire 11,375-acre Otay Ranch RMP Preserve. The MSCP County Subarea Plan Implementing Agreement describes the County's required contribution to the MSCP Preserve. The implementing agreement states that the required mitigation for Otay Ranch includes "protection of the areas identified as preserved in the boundaries of the Otay Ranch project including approximately 11,375 acres" of the Otay Ranch RMP Preserve. Therefore, the Otay Ranch RMP Preserve is a subset of the MSCP Preserve.

The portion of the Proposed Project's land use designated as Otay Ranch RMP Preserve, while considered a part of the MSCP County Subarea Plan Preserve, is unique to Otay Ranch because it specifically mitigates for direct and cumulative impacts associated with implementation of the Otay Ranch GDP/SRP. The Proposed Project would include 426.7 acres of Otay Ranch RMP Preserve, of which 270.2 acres would be in Village 14 and 156.5 acres would be in Planning Areas 16/19.

Preserve Conveyance Obligation. To satisfy assemblage of the 11,375-acre Otay Ranch RMP Preserve ranch-wide, a "Preserve Conveyance Obligation" was prescribed in the Otay Ranch RMP. The Preserve Conveyance Obligation is 1.188 acres of Otay Ranch RMP Preserve conveyed per 1 acre of development, as further defined in the adopted Otay Ranch RMP. This

obligation, which is the primary basis of Proposed Project's required mitigation, may be achieved through conveyance of either the applicant's RMP Preserve ownership or through off-site acquisition within the 11,375 acres Otay Ranch RMP Preserve.

Conserved Open Space. "Conserved Open Space" refers to those areas with an Otay Ranch GDP/SRP land use designation other than Otay Ranch RMP Preserve that will be preserved on site and which will either be added to the Otay Ranch RMP Preserve (through a future RMP Amendment), managed under a separate Resource Management Plan, or utilized to mitigate impacts to the City of San Diego MSCP Cornerstone Lands. The approximately 72.4 acres of Conserved Open Space is comprised of 31.9 acres within the 127.1 acres of LDA and 3.6 acres of residential land use designation in Planning Areas 16/19 plus 36.9 acres of residential land use designation within Village 14. The Conserved Open Space areas are located adjacent to Otay Ranch RMP Preserve and will be conserved by recording aa biological open space easement over the land.

Development Footprint. The "Development Footprint" includes areas where there will either be permanent or temporary ground disturbance. The Development Footprint includes all on-site development, off-site improvements, graded LDA, and impacts resulting from infrastructure and other allowable uses within the Otay Ranch RMP Preserve per Section 1.9.3 of the MSCP County Subarea Plan.

Off-Site Improvements. "Off-Site Improvements" total approximately 85.4 acres of both temporary and permanent impacts as shown in Table 5, Village 14 and Planning Areas 16/19 Off-Site Infrastructure (Temporary plus Permanent), and include the following: Proctor Valley Road, including related wet and dry utilities, drainage facilities and trails; access roads in Planning Area 16; an off-site sewer pump station in the southern reach of Proctor Valley Road and off-site sewer facilities to connect to the Salt Creek Interceptor as planned since 1994.

Proctor Valley Road improvements would include South Proctor Valley Road (0.25 miles in the City of Chula Vista land and 0.2 acres privately owned in the County); South and Central Proctor Valley Road (1.5 miles in City of San Diego Cornerstone land); Central Proctor Valley Road (0.4 miles in California Department of Fish and Wildlife (CDFW) Otay Ranch Village 14 land); and North Proctor Valley Road (0.75 miles in CDFW Otay Ranch land between Village 14 and Planning Areas).

Table 5
Village 14 and Planning Areas 16/19 Off-Site Infrastructure (Temporary plus Permanent)

Off-Site[a]	Location	Acres		
		ROW	*Temporary*	*Total*
Proctor Valley Road – MSCP Planned Facility[b]				
South	City of Chula Vista	2.3	2.8	5.1
South	City of San Diego	10.1	17.6	27.7
Central	City of San Diego	2.8	4.3	7.1
Central	State	4.1	8.6	12.7
North	State	3.6	13.2	16.8
North	County of San Diego Easement	0.1	0.2	0.3
PA 16 Access Roads – MSCP Allowed Facility[b]				
R-14 to R-15	State	0.3	1.0	1.3
R-15 to R-16	State	1.6	7.2	8.8
R-16 to Whispering Meadows	State	1.5	4.2	5.7
Sewer Trunk Line to Salt Creek Interceptor[c]	City of Chula Vista	—	—	—
	Total	**26.4**	**59.0**	**85.4**

[a] Off-sites include all road improvements, sewer, water, drainage, and related utilities.
[b] See Section 1.9.3 of the MSCP for planned and allowed facilities.
[c] In existing improved Proctor Valley Road to approximate tie in at Hunte Parkway.

Central and South Proctor Valley Road are proposed to be improved and classified as a two-lane-with-median light collector with a width ranging from 68 to 74 feet, plus an additional 20-foot-wide fuel modification/construction easement on each side. North Proctor Valley Road is a two-lane interim road with a paved width of 28 feet in a 40-foot-wide right-of-way. Improvements in Proctor Valley Road would include those typically in roadways, including wet and dry utilities, a sewer pump station, drainage, landscape, culverts, and trails. Proctor Valley Road is an approved County General Plan mobility element road and an approved facility in the MSCP County Subarea Plan.

In addition, there are three public off-site roads within Planning Area 16. These roads are located primarily within CDFW managed lands and are approved in the Otay Ranch GDP/SRP as facilities within designated development or LDA land use (and are also approved facilities per the MSCP County Subarea Plan Section 1.9.3.3 (County of San Diego 1997)). Improvements in these off-site roads would include those typically in roadways, including wet and dry utilities, drainage, landscape, culverts, and trails.

Proposed Specific Plan

Summary

The adopted Otay Ranch GDP/SRP requires the preparation of a Specific Plan, which includes a site utilization plan to describe the land uses for the Proposed Project. Figures 2 and 3 depict the proposed site utilization plan. Tables 1–5 quantify the proposed land uses.

Approximately 994 homes are planned in Village 14, set in three distinct areas (referred to herein as the South, Central, and North Village 14). Of these homes, 878 would be single-family homes located in gated enclaves, and 116 would be detached courtyard homes. Twelve neighborhoods are planned with approximate densities ranging from 0.2 to 10.0 dwelling units per acre. Otay Ranch Village 14 is planned around a "Village Core," centrally located in the heart of the village. The Village Core would be composed of a 9.7-acre elementary school site, a 7.2-acre village green (public park), a 1.7-acre mixed-use site with up to 10,000 square feet of commercial/retail uses, and a 2.3-acre public safety site for a fire station and satellite sheriff's facility. Additional public and private parks, private swim clubs, trails and recreational facilities would be situated throughout South, Central, and North Village 14. See Table 2 for detailed land uses in Village 14.

In addition to the homes in Village 14, there would be 13 one-acre average sized estate lots proposed in Planning Area 19, and 112 three-acre average sized ranchettes proposed in Planning Area 16. Planning Areas 16/19 neighborhoods would not be gated. The LDA may include public infrastructure and/or be conserved within private lots with a conservation easement. See Tables 3 and 4 for detailed land uses in Planning Areas 16/19.

The Proposed Project's Specific Plan is designed around an active lifestyle and wellness recreation theme and includes a park and recreation system, including four public parks totaling approximately 15.2 acres. The remaining private recreation facilities would include three pools and numerous pocket parks totaling approximately 9.5 acres. An approximately 4.5-mile, 10-foot-wide decomposed granite Community Pathway is proposed along Proctor Valley Road from Chula Vista to Jamul. The Proposed Project includes approximately 27.6 acres of open space, (exclusive of the 110.1 acres of open space included in the residential gross acres), 127.1 acres of LDA, and 426.7 acres of Otay Ranch RMP Preserve within the applicant's ownership. Of note, there is approximately 72.4 acres of Conserved Open Space within the Proposed Project that will be conserved by recording a biological open space easement.

Circulation and Access

Regional access to Otay Ranch Village 14 is provided by State Route (SR-) 125, located approximately 3 miles to the west. Interstate 805 (I-805), approximately 8 miles to the west, provides

secondary north/south access. SR-54, located approximately 6 miles to the northwest, connects to SR-125 and I-805, and provides regional east/west access. SR-94, located approximately 3 miles to the northeast, provides access from the east through the Jamul community.

Proctor Valley Road would provide the main access to the Proposed Project. Four roundabouts in Village 14 and one roundabout in Planning Areas 16/19 would identify the entrance into each residential area as well as provide traffic calming at key internal intersections. The internal circulation plan also includes a series of collectors and residential streets to provide access to the residential neighborhoods, with Planning Areas 16/19 designed to County Rural Road Standards. A secondary access to the easternmost portion of Planning Area 16 is the planned extension of existing Whispering Meadows Lane.

Proctor Valley Road is planned as a two-lane mobility element road and is designated as a scenic corridor. The northern connection of Otay Ranch Village 14 to the community of Jamul will remain substantially in the alignment of the existing partially improved Proctor Valley Road and will be paved to provide both public access and secondary emergency access for the Proposed Project as well as for the community of Jamul.

Public Services

A recap of public services is provided as follows:

Sewer: Capacity will be provided by the County through annexation into the County Sanitation District. Sewer transportation will be provided by conveying flows to the Salt Creek Interceptor located in the City of Chula Vista pursuant to agreements between the City and County. Sewer will be provided in Village 14 and Planning Areas 16/19 per the Otay Ranch GDP/SRP and adopted sewer agreements. The Proposed Project includes sewer trunk line extensions and pump, or lift, stations.

Water: The Proposed Project is located within the Otay Water District boundary and is already accommodated in the Otay Water District Water Resources Master Plan. A 980-pressure zone water tank adjacent to Central Village 14 is planned on site. The Proposed Project includes water transmission lines, a 980 reservoir, and pump stations.

Law Enforcement: County Sheriff's office will provide law enforcement services and will have a storefront facility co-located with the fire station at the public safety site in the Village Core.

Fire: Fire service will be provided by the County Fire Authority (SDCFA) from a fire station built within the Proposed Project's public safety site in the Village Core.

Stormwater/Drainage: Biofiltration basins are planned.

Schools: Village 14 is planned to be served by the Chula Vista Elementary School District and Sweetwater Union High School District. Planning Areas 16/19 are planned to be served by the Jamul/Dulzura Union School District and the Grossmont High School District as prescribed in the adopted Otay Ranch GDP/SRP Facilities Implementation Plan and consistent with County Board of Supervisors Policy I-109, Policy II.

Proctor Valley Road North and Trails Options

The Proposed Project includes three options for internal circulation: (1) the Proctor Valley Road North Option, (2) the Preserve Trails Option, and (3) the Perimeter Trail Option. The Draft EIR assesses each of these options and their respective impacts. This will allow the County Board of Supervisors to select the option (or combination of options) it considers best for the Proposed Project and the environment. Each of the options is summarized as follows. For detailed descriptions with figures, see the Specific Plan Section VIII – Internal Circulation Options (RH Consulting 2018).

Proctor Valley Road North Option: The Proctor Valley Road North Option applies to the portion of Proctor Valley Road from Street AA in the North Village to Echo Valley Road. This Option includes two dedicated bike lanes (one on each side of the road) instead of the "sharrows" (road markings that guide bicyclists to bike routes between neighborhoods and alert motorists to the presence of bicyclists within the shared travel lane) proposed in street section 10 of the Proposed Project. Generally, the Proctor Valley Road North Option would increase the right-of-way width from 40 feet to 64 feet starting from the intersection of Street AA northward to the applicant's Village 14 ownership boundary; from 40 feet to 48 feet within the off-site improvement area owned by the state; and from 40 feet to 64 feet on site within the applicant's ownership north of the state's property to Echo Valley Road.

Preserve Trails Option: The Preserve Trails Option consists of two segments of existing, disturbed trails approximately 1 mile in length within the Project Area, east of the Development Footprint. These segments would be located within the Otay Ranch RMP Preserve. The Preserve Trails Option includes segments "A" and "B" as identified in the Otay Ranch GDP/SRP, which are also identified as segments 52 and 49 in the County of San Diego's Community Trails Master Plan (CTMP). Segment "A"/"52" is 2,350 lineal feet, located at the northern terminus of the Proctor Valley Community Pathway and extending east through the on-site Otay Ranch RMP Preserve to the eastern edge of the Echo Valley loop (CTMP Trail 53). Segment "B"/"49" is 2,328 lineal feet and is located between South and Central Village 14, along an existing, historic ranch road. This trail is located within on-site Otay Ranch RMP Preserve and bisects regional

wildlife corridor R1. The Preserve Trails Option would retain these portions of trails in their existing conditions, which meet the CTMP primitive trail standard. No improvements to these Preserve trails are contemplated.

Perimeter Trail Option: The Perimeter Trail Option is an approximately 3.6-mile perimeter trail located within the Development Footprint of South and Central Village 14. The Perimeter Trail Option is situated primarily within the Otay Ranch RMP 100-foot Preserve edge. The Perimeter Trail Option is designed to CTMP primitive trail standards, and the trail tread varies from 2 to 6 feet. Due to topography, trail grades range from 2% to the maximum grade allowed of 30%. The Perimeter Trail Option requires the construction of approximately 19,000 lineal feet (0.7 miles) of 5- to 7-foot-high retaining walls due to steep topography and drainage constraints. The Perimeter Trail Option would be graded as part of overall project grading and does not encroach into the Otay Ranch RMP Preserve. The perimeter trail would be accessed at public parks and trailheads and would be maintained by the County.

Dudek has evaluated these options and determined they are not material to the information presented in this analysis because (1) the construction of these options would not change the equipment mix and construction noise levels and (2) the operation of these options would not result in significant noise.

2 FUNDAMENTALS OF NOISE AND VIBRATION

The following is a brief discussion of fundamental noise concepts and terminology.

2.1 Sound, Noise, and Acoustics

Sound is actually a process that consists of three components: the sound source, sound path, and sound receiver. All three components must be present for sound to exist. Without a source to produce sound, there is no sound. Similarly, without a medium to transmit sound pressure waves, there is no sound. Finally, sound must be received; a hearing organ, sensor, or object must be present to perceive, register, or be affected by sound or noise. In most situations, there are many different sound sources, paths, and receptors rather than just one of each. Acoustics is the field of science that deals with the production, propagation, reception, effects, and control of sound. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired.

2.2 Sound Pressure Levels and Decibels

The amplitude of a sound determines its loudness. Loudness of sound increases with increasing amplitude. Sound pressure amplitude is measured in units of micronewton per square meter, also called micropascal. One micropascal is approximately one-hundred billionth (0.00000000001) of normal atmospheric pressure. The pressure of a very loud sound may be 200 million micropascals, or 10 million times the pressure of the weakest audible sound. Because expressing sound levels in terms of micropascal would be very cumbersome, sound pressure level in logarithmic units is used instead to describe the ratio of actual sound pressure to a reference pressure squared. These units are called Bels. To provide a finer resolution, a Bel is subdivided into 10 decibels (dB).

2.3 A-Weighted Sound Level

Sound pressure level alone is not a reliable indicator of loudness. The frequency, or pitch, of a sound also has a substantial effect on how humans will respond. 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 not only in the range of audible frequencies, but also in the way it perceives the sound in that range. In general, the healthy human ear is most sensitive to sounds between 1,000 and 5,000 hertz, and it perceives a sound within that range as more intense than a sound of higher or lower frequency with the same magnitude. To approximate the frequency response of the human ear, a series of sound level adjustments is usually applied to the sound measured by a sound level meter. The adjustments (referred to as a weighting network) are frequency-dependent.

The A-scale weighting network approximates the frequency response of the average young ear when listening to ordinary sounds. When people make judgments about the relative loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Other weighting networks have been devised to address high noise levels or other special situations (e.g., B-scale, C-scale, D-scale), but these scales are rarely used in conjunction with most environmental noise. Noise levels are typically reported in terms of A-weighted sound levels. All sound levels discussed in this report are A-weighted decibels (dBA). Examples of typical noise levels for common indoor and outdoor activities are depicted in Table 6.

Table 6
Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dB)	Common Indoor Activities
—	110	Rock band
Jet fly over at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 miles per hour)	80	Food blender at 1 meter (3 feet); garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime; gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)
Commercial area; heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban, daytime	50	Large business office; dishwasher next room
Quiet urban, nighttime	40	Theater; large conference room (background)
Quiet suburban, nighttime	30	Library
Quiet rural, nighttime	20	Bedroom at night; concert hall (background)
—	10	Broadcast/Recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 1998.

2.4 Human Response to Changes in Noise Levels

Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound levels of 1 dBA when exposed to steady, single-frequency signals in the mid-frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dBA in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dBA. A change of 5 dBA is readily perceptible, and a change of 10 dBA is perceived as twice or half as loud. A doubling of sound energy results in a 3-dBA increase in sound, which means that a doubling of sound energy (e.g., doubling the volume of traffic on a road) would result in a barely perceptible change in sound level.

2.5 Noise Descriptors

Additional units of measure have been developed to evaluate the long-term characteristics of sound. The equivalent sound level (L_{eq}) is also referred to as the time-average sound level. The equivalent steady-state sound level that in a stated period of time would contain the same acoustical energy as the time-varying sound level during the same time period. The 1-hour A-weighted equivalent sound level, $L_{eq}(h)$, is the energy average of the A-weighted sound levels occurring during a 1-hour period, and is the basis for the County noise policies and standards.

People are generally more sensitive and annoyed by noise occurring during the evening and nighttime hours. Thus, another noise descriptor used in community noise assessments—the community noise equivalent level (CNEL)—was introduced. The CNEL scale represents a time-weighted, 24-hour average noise level based on the A-weighted sound level. The CNEL accounts for the increased noise sensitivity during the evening hours (7 p.m. to 10 p.m.) and nighttime hours (10 p.m. to 7 a.m.) by adding 5 dBA and 10 dBA, respectively, to the average sound levels occurring during the evening and nighttime hours.

2.6 Sound Propagation

Sound propagation (i.e., the passage of sound from a noise source to a receiver) is influenced by geometric spreading, ground absorption, atmospheric effects, and shielding by natural and/or built features.

Sound levels attenuate (or diminish) at a rate of approximately 6 dBA per doubling of distance from an outdoor point source due to the geometric spreading of the sound waves. Atmospheric conditions such as humidity, temperature, and wind gradients can also temporarily either increase or decrease sound levels. In general, the greater the distance the receiver is from the source, the greater the potential for variation in sound levels due to atmospheric effects. Additional sound attenuation can result from built features such as intervening walls and buildings, and by natural features such as hills and dense woods.

2.7 Groundborne Vibration Fundamentals

Groundborne vibration is a small, rapidly fluctuating motion transmitted through the ground. The strength of groundborne vibration attenuates rapidly over distance. Some soil types transmit vibration quite efficiently; other types (primarily sandy soils) do not. Several basic measurement units are commonly used to describe the intensity of ground vibration. The descriptors used by the Federal Transit Administration (FTA) are peak particle velocity (PPV), in units of inches per second, and velocity decibel (VdB).

The calculation to determine PPV at a given distance is as follows:

$$PPV_{distance} = PPV_{ref}*(25/D)^{1.5}$$

Where:

$PPV_{distance}$ = the peak particle velocity in inches per second of the equipment adjusted for distance

PPV_{ref} = the reference vibration level in inches per second at 25 feet

D = the distance from the equipment to the receiver

The velocity parameter (instead of acceleration or displacement) best correlates with human perception of vibration. Thus, the response of humans, buildings, and sensitive equipment to vibration is described in this section in terms of the root-mean square velocity level in VdB units relative to 1 microinch per second. As a point of reference, the average person can just barely perceive vibration velocity levels below 70 VdB (typically in the vertical direction). The calculation to determine the root-mean square at a given distance is as follows:

$$L_v(D) = L_v(25 \text{ feet}) - 30*\log(D/25)$$

Where:

$L_v(D)$ = the vibration level at the receiver

$L_v(25 \text{ feet})$ = the reference source vibration level

D = the distance from the vibration activity to the receiver

Typical background vibration levels are between 50 and 60 VdB, and the level for minor cosmetic damage to fragile buildings or blasting generally begins at 100 VdB.

3 APPLICABLE NOISE REGULATIONS AND STANDARDS

The County of San Diego has adopted various noise policies and standards contained within the County's General Plan Noise Element and the County Noise Ordinance. The City of Chula Vista has adopted noise standards as well as performance standards and noise control contained within the City's General Plan Environmental Element and City's Noise Ordinance, respectively. The above-mentioned jurisdiction's noise policies and standards are summarized below.

County of San Diego General Plan, Noise Element

The County's General Plan Noise Element (Noise Element) establishes noise and land use compatibility standards and outlines goals and policies to achieve these standards. The Noise Element characterizes the noise environment in the County and provides the context for the County's noise/land use compatibility guidelines and standards. The Noise Element also describes the County's goals for achieving the standards and introduces policies designed to implement the goals. Under implementation of the General Plan, the County would use the Noise Compatibility Guidelines to determine the compatibility of land uses when evaluating proposed development projects. The Noise Compatibility Guidelines indicate ranges of compatibility and are intended to be flexible enough to apply to a range of projects and environments.

A land use located in an area identified as "acceptable" indicates that standard construction methods would attenuate exterior noise to an acceptable indoor noise level and that people can carry out outdoor activities with minimal noise interference. Land uses that fall into the "conditionally acceptable" noise environment should have an acoustical study that considers the type of noise source, the sensitivity of the noise receptor, and the degree to which the noise source has the potential to interfere with sleep, speech, or other activities characteristic of the land use. For land uses indicated as "conditionally acceptable," structures must be able to attenuate the exterior noise to the indoor noise level as indicated in the Noise Compatibility Guidelines. For land uses where the exterior noise levels fall within the "unacceptable" range, new construction generally should not be undertaken (San Diego County 2011a).

San Diego County Code of Regulatory Ordinances Title 3, Division 6, Chapter 4, Sections 36.401–36.435, Noise Ordinance

The Noise Ordinance establishes prohibitions for disturbing, excessive, or offensive noise as well as provisions such as sound level limits for the purpose of securing and promoting the public health, comfort, safety, peace, and quiet for its citizens. Planned compliance with sound level limits and other specific parts of the ordinance allows presumption that the noise is not disturbing, excessive, or offensive. Limits are specified depending on the zoning placed on a property (e.g., varying densities and intensities of residential, industrial, and commercial zones).

Where two adjacent properties have different zones, the sound level limit at a location on a boundary between two properties is the arithmetic mean of the respective limits for the two zones, except for extractive industries. It is unlawful for any person to cause or allow the creation of any noise that exceeds the applicable limits of the Noise Ordinance at any point on or beyond the boundaries of the property on which the sound is produced.

Section 36.404 of the Noise Ordinance contains sound level limits specific to receiving land uses. Sound level limits are in terms of a 1-hour average sound level. The allowable noise limits depend upon the County's zoning district and time of day. The Proposed Project would be located within Specific Plan Area and Open Space zones. Table 7 lists the sound level limits for the County.

Table 7
San Diego County Noise Ordinance Sound Level Limits

Zone	Applicable Limit 1-Hour Average Sound Level (dB)		
	7 a.m. to 7 p.m.	*7 p.m. to 10 p.m.*	*10 p.m. to 7 a.m.*
(1) RS, RD, RR, RMH, A70, A72, S80, S81, S87, S90, S92, RV, and RU with a density of less than 11 dwelling units per acre	50	50	45
(2) RRO, RC, RM, S86, V5, and RV and RU with a density of 11 or more dwelling units per acre	55	55	50
(3) S94, V4, and all other commercial zones	60	60	55
(4) V1 and V2	60	55	see below
V1	60	55	55
V2	60	55	50
V3	70	70	65
(5) M50, M52, and M54	70	70	70
(6) S82, M56, and M58	75	75	75
(7) S88 (see note 4)			

Source: County of San Diego 2008.
Notes:
RS, RD, RM, RR, RU, RV, RRO, RMH, RU = Residential uses; A70, A72 = Agricultural uses; S80, S81, S82, S87, S90 = Open space uses, ecological resource areas, or holding area uses; S92 = General rural uses; RC = Residential/commercial uses; S86 = parking uses; V1, V2, V3, V4, V5 = Village uses; M50, M52, M54, M56, M58 = Manufacturing and industrial uses; S88 = Special planning area uses.

1 If the measured ambient level exceeds the applicable limit noted in the table, the allowable 1-hour average sound level will be the ambient noise level. The ambient noise level will be measured when the alleged noise violation source is not operating.

2 The sound-level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts; provided, however, that the 1-hour average sound-level limit applicable to extractive industries, including but not limited to borrow pits and mines, will be 75 dB at the property line, regardless of the zone where the extractive industry is actually located.

3 Fixed-location, public utility distribution or transmission facilities located on or adjacent to a property line shall be subject to the noise-level limits of this section, measured at or beyond 6 feet from the boundary of the easement upon which the equipment is located.

4 S88 zones are Specific Planning Areas, which allow different uses. The sound level limits present in Table 2 that apply in an S88 zone depend on the use being made of the property. The limits in the table, subsection (1) apply to a property with a residential, agricultural, or civic use. The limits in subsection (3) apply to a property with a commercial use. The limits in subsection (5) apply to a property with an industrial use that would only be allowed in an M50, M52, or M54 zone. The limits in subsection (6) apply to all property with an extractive use or a use that would only be allowed in an M56 or M58 zone.

Section 36.408 of the Noise Ordinance sets limits on the time of day and days of the week that construction can occur, as well as setting noise limits for construction activities. In summary, the Noise Ordinance prohibits operating construction equipment on the following days and times:

- Mondays through Saturdays except between 7 a.m. and 7 p.m.
- Sundays or a holiday. A holiday means January 1, the last Monday in May, July 4, the first Monday in September, December 25, and any day appointed by the president as a special national holiday or the governor of the state as a special state holiday.

In addition, Section 36.409 requires that between 7 a.m. and 7 p.m., no equipment shall be operated so as to cause an 8-hour average construction noise level in excess of 75 dBA when measured at the boundary line of the property where the noise source is located, or on any occupied property where the noise is being received.

Additional sound level limitations are provided in Section 36.410:

> In addition to the general limitations on sound levels in Section 36.404 and the limitations on construction equipment in Section 36.409, the following additional sound level limitations shall apply:
>
> (a) Except for emergency work or work on a public road project, no person shall produce or cause to be produced an impulsive noise that exceeds the maximum sound level shown in Table 8, when measured at the boundary line of the property where the noise source is located or on any occupied property where the noise is received, for 25% of the minutes in the measurement period, as described in Section 36.410(c) of the County's Noise Ordinance. The maximum sound level depends on the use being made of the occupied property. The uses in Table 8 are as described in the County Zoning Ordinance.

Table 8
County of San Diego Noise Ordinance, Section 36.410, Maximum Sound Level (Impulsive) Measured at Occupied Property in Decibels

Occupied Property Use	dBA
Residential, village zoning, or civic use	82
Agricultural, commercial, or industrial use	85

> (b) Except for emergency work, no person working on a public road project shall produce or cause to be produced an impulsive noise that exceeds the maximum

sound level shown in Table 9, when measured at the boundary line of the property where the noise source is located or on any occupied property where the noise is received, for 25% of the minutes in the measurement period, as described in Section 36.410 (c) of the County's Noise Ordinance. The maximum sound level depends on the use being made of the occupied property. The uses in Table 9 are as described in the County Zoning Ordinance.

Table 9
County of San Diego Noise Ordinance, Section 36.410, Maximum Sound Level (Impulsive) Measured at Occupied Property in Decibels for Public Road Projects

Occupied Property Use	dBA
Residential, village zoning, or civic use	85
Agricultural, commercial, or industrial use	90

(c) The minimum measurement period for any measurements conducted under this section shall be one hour. During the measurement period a measurement shall be conducted every minute from a fixed location on an occupied property. The measurements shall measure the maximum sound level during each minute of the measurement period. If the sound level caused by construction equipment or the producer of the impulsive noise, exceeds the maximum sound level for any portion of any minute it will be deemed that the maximum sound level was exceeded during that minute.

Although the Project Area is located within unincorporated County of San Diego, the project is adjacent to the City of Chula Vista, and the majority of project-related traffic is predicted to travel along City of Chula Vista arterial roads, coming to and from the Project Area. For this reason, City of Chula Vista noise regulations are included here and are used in the assessment of off-site impacts to noise-sensitive land uses located in Chula Vista.

City of Chula Vista General Plan Environmental Element

The City of Chula Vista's General Plan Environmental Element illustrates the City's exterior land use/noise compatibility guidelines, which is shown in Table 10, below. These guidelines reflect the levels of noise exposure that are generally considered compatible with various types of land uses.

Table 10
City of Chula Vista Exterior Land Use/Noise Compatibility Guidelines

Land Use	Annual Community Noise Equivalent Level in Decibels					
	50	*55*	*60*	*65*	*70*	*75*
Residential						
Schools, libraries, daycare facilities, convalescent homes, outdoor use areas, and other similar uses considered noise sensitive						
Neighborhood parks, playgrounds						
Community parks, athletic fields						
Offices and professionals						
Places of worship (excluding outdoor use areas)						
Golf courses						
Retail and wholesale commercial, restaurants, movie theaters						
Industrial, manufacturing						

Source: City of Chula Vista 2005.

City of Chula Vista Performance Standards and Noise Control

Chapter 19.68 of the City of Chula Vista's Zoning Code provides the City's performance standards and noise control ordinance.

Section 19.68.030 of the City's Noise Ordinance contains exterior noise limits specific to receiving land uses. The allowable noise limits depend upon the City's zoning district and time of day. Table 11 lists the exterior noise limits for the City, and Table 12 lists the interior noise limits for the City.

Table 11
City of Chula Vista Exterior Noise Limits

Receiving Land Use Category	Noise Level (dBA)	
	10 p.m. to 7 a.m. (Weekdays)	*7 a.m. to 10 p.m. (Weekdays)*
	10 p.m. to 8 a.m. (Weekends)	*8 a.m. to 10 p.m. (Weekends)*
All residential (except multiple dwelling)	45	55
Multiple dwelling residential	50	60
Commercial	60	65
Light industry – I-R and I-L zone	70	70
Heavy industry – I zone	80	80

Source: City of Chula Vista 2015.
dBA = A-weighted decibel; I-R = Research Industrial zone; I-L = Limited Industrial zone; I = General Industrial zone

Table 12
City of Chula Vista Interior Noise Limits

Type of Land Use	Time Interval	Noise Level (dBA) not to be Exceeded		
		Anytime	*1 minute in 1 hour*	*5 minutes in 1 hour*
Multifamily	10 p.m. – 7 a.m.	45	40	35
Residential	7 a.m. – 10 p.m.	55	50	45

Source: City of Chula Vista 2015.
dBA = A-weighted decibel

City of Chula Vista Municipal Code, Title 17 (Environmental Quality)

Title 17 of the Chula Vista Municipal Code (Environmental Quality), Chapter 24, addresses managing noisy and disorderly conduct. Section 17.24.040.C.8 specifically addresses restrictions against generation of construction noise in overnight periods. The use of any tools, power machinery, or equipment, or the conduct of construction and building work in residential zones so as to cause noises disturbing to the peace, comfort, and quiet enjoyment of property of any person residing or working in the vicinity is prohibited between 10 p.m. and 7 a.m., Monday–Friday, and between 10 p.m. and 8 a.m., Saturday and Sunday, except when the work is necessary for emergency repairs required for the health and safety of any member of the community (City of Chula Vista 2010).

4 ENVIRONMENTAL SETTING, EXISTING, AND POTENTIAL FUTURE CONDITIONS

4.1 Geographical Setting and Surrounding Land Uses

The Project Area is located in Proctor Valley, a south-sloping valley that encompasses Proctor Valley Road. The Project Area is undeveloped, with on-site elevation ranging between 550 and 1,345 feet above mean sea level. The Project Area is surrounded by San Miguel Mountain and the Jamul Mountains immediately to the northwest and southeast, with the foothills of these mountains encroaching into the Project Area. The eastern portions of Planning Area 16 are located in the Jamul Mountains and contain the highest elevations.

Existing development, including the master planned communities of Eastlake Woods, Bella Lago, Salt Creek Ranch, and Rolling Hills Ranch, is located within approximately 0.5 miles to the southwest of the Project Area. Commercial centers are located in Eastlake and Rolling Hills Ranch and regional shopping is located in Otay Ranch. The proposed Village 13 Resort development is located to the south of the Project Area. The Otay Lakes are located to the south of the Project Area along with the City of San Diego's MSCP "Cornerstone Lands," which are adjacent to the Project Area to the south. To the north and northeast of the Proposed Project lies the community of Jamul and to the northwest, Rancho San Diego. Most of the land in the vicinity of the Project Area to the west and east is vacant; some of it consists of gently rolling hills used for agriculture and grazing, with the balance being more rugged, steep open space. Development is primarily concentrated around Rancho San Diego to the north and the rural community of Jamul to the northeast. Jamul is comprised of primarily large-lot estates, horse ranches, and agriculture.

The 11,152-acre San Diego National Wildlife Refuge (Refuge) is located to the west of the Project Area. The Refuge stretches from Jamul to communities in Spring Valley and eastern Chula Vista. The Refuge is the USFWS's contribution to the MSCP Preserve. The approximately 5,600-acre Rancho Jamul Ecological Reserve is also a component of the San Diego MSCP and is owned and managed by the CDFW. These state-owned lands are adjacent to the Project Area, with a large block of habitat located to the east of the Project Area.

The Bureau of Land Management manages two separate parcels within the northern portion of the Proctor Valley Parcel of Otay Ranch. The large northern out parcel encompasses the Callahan Mountain Peak and some of the tops of side-slopes extending down from the peak.

4.2 Existing Noise Conditions

The primary existing noise source within the Project Area is vehicular traffic along Proctor Valley Road. Proctor Valley Road is a two-lane, partially improved road. The existing traffic

volume within the Project Area is approximately 200 ADT (Chen Ryan Associates 2017). No other existing noise sources potentially affecting the Proposed Project have been identified.

There are no existing Noise Sensitive Land Uses (NSLUs) ~~immediately adjacent to~~within the Project Area. The nearest existing NSLUs to the Project Area are single-family residences near the southwest boundary of Jamul, located as near as 60 feet to the north, and single-family residences in the Bella Lago community, located approximately 2,900 feet to the southwest.

4.3 Potential Build-Out Noise Conditions

Proctor Valley Road will be the primary traffic noise source. It is predicted to have a year 2030 traffic volume of up to 17,900 ADT without the Proposed Project and 29,400 ADT with the Proposed Project with full GDP/SRP Build-Out (Chen Ryan Associates 2017).[3]

4.4 Methodology and Equipment

4.4.1 Noise Measuring Methodology and Procedures

The existing noise environment in the Project Area was measured on May 6, 2015. The noise measurements were taken with calibrated Rion NL 32 integrating sound level meters using A-weighting and "slow" response settings. The sound level meters are equipped with 0.5-inch pre-polarized condenser microphone and pre-amplifier. The sound level meters meet the current American National Standards Institute standard for a Type 1 precision sound level meter. The sound level meters were positioned at a height of approximately 5 feet above the ground during the noise measurements. Eleven noise measurement locations that represent key potential sensitive receptors, or sensitive land uses were selected along Proctor Valley Road within the Project Area and adjacent to other roadways projected to carry potentially significant Proposed Project traffic volumes. These locations are depicted as M1 through M11 in Figure 4, Noise Measurement Locations. A description of the noise measurement locations and the results of the noise measurements are presented in Table 13. Field notes and photos are provided in Appendix A.

[3] Year 2030 Cumulative Conditions with full GDP/SRP build-out traffic conditions assume that all of the additional dwelling units allowed under the approved Otay Ranch GDP/SRP, in the areas not included within the site of the Proposed Project, would be developed. This is a theoretical, highly unlikely scenario as the site of a majority of the additional dwelling units that would be developed under this scenario is located in Village 14 and Planning Area 16 on State property (Rancho Jamul Preserve). Accordingly, it is highly unlikely that these additional units would ever be developed. However, as a conservative measure, and to be consistent with the project's worst-case traffic analysis (Chen Ryan Associates 2017) these traffic conditions are analyzed for the assessment of on-site traffic noise impacts. For the off-site traffic impacts assessment, the traffic volumes for the Year 2030 (without full GDP/SRP build-out) Cumulative Conditions are used.

Table 13
Noise Measurement Results

Receptors	Date	Time	Description	Leq (dBA)	Lmax (dBA)
M1	May 6, 2015	3:54–4:14 p.m.	Open space area along the east side of Proctor Valley Road, approximately 60 feet from the center line	49.1	68.0
M2	May 6, 2015	3:11–3:31 p.m.	Open space area along the east side of Proctor Valley Road, approximately 50 feet from the center line	50.7	69.5
M3	May 6, 2015	2:35–2:55 p.m.	Open space area along the east side of Proctor Valley Road, approximately 165 feet from the center line	50.7	67.6
M4	May 6, 2015	4:35–4:55 p.m.	790 Lake House Place Chula Vista, California 91914 – Residence elevated from Proctor Valley Road	47.3	62.2
M5	May 6, 2015	5:47–6:07 p.m.	Pedestrian walkway northeast of 606 San Marino Place Chula Vista, California 91914 – Elevated from Proctor Valley Road	66.4	72.7
M6	May 6, 2015	6:24–6:44 p.m.	2335 Paseo Veracruz Chula Vista, California 91914 – Park on a lower elevation than Mount Miguel Road	55.1	61.9
M7	May 6, 2015	5:13–5:33 p.m.	704 Pueblo Place Chula Vista, California 91914 – Residence elevated from Lane Avenue	53.4	60.6
M8	May 6, 2015	1:58–2:18 p.m.	2852 Shadow Valley Jamul, California 91935 – In front of residence gate on dirt access road	53.8	72.1
M9	May 6, 2015	1:27–1:47 p.m.	13828 Proctor Valley Road Jamul, California 91935 – Residence driveway	50.8	63.1
M10	May 6, 2015	12:58–1:18 p.m.	3007 Calle Mesquite Jamul, California 91935 – Residence driveway	48.7	64.1
M11	May 6, 2015	12:15–12:35 p.m.	13939 Maxfield Road Jamul, California 91935	46.9	66.2

Source: Appendix A and Figure 4
L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; dBA = A-weighted decibel

4.4.2 Noise Modeling Software

The vehicle noise level from Proctor Valley Road within the Project Area and along other roadway segments projected to carry potentially significant project traffic volumes was calculated using the Federal Highway Administration Traffic Noise Model (TNM) – TNM version 2.5 (FHWA 2004). TNM sound modeling input/output data are included in Appendix B.

4.4.3 Noise Calculations

Traffic Noise Modeling Screening

Because of the size of the off-site traffic impact analysis area (Chen Ryan Associates 2017) and the number of associated roadway segments, a preliminary screening analysis was performed to estimate the relative increase in traffic noise from the Proposed Project. Roadway segments with an estimated increase in noise levels of 0.5 dB or more based upon the ADT volumes (either in the Existing plus Project scenario or the Year 2030 with Project (i.e., Year 2030 Cumulative Conditions) scenario) were modeled in detail using the TNM model, in order to determine the potential for a significant noise impact. Roadway segments with an estimated increase in noise levels of less than 0.5 dB were not modeled using the TNM model. The modeled roadway segments and off-site receivers analyzed using TNM and the input data are listed in Table 14 and shown in Figure 5.

Table 14
Modeled Roadway Segments (Off-Site Receivers)

Roadway	From/To (Jurisdiction)	Modeled Receiver	Average Traffic Speed (MPH)	Existing Traffic Volume CNEL (ADT)	Existing plus Project Traffic Volume CNEL (ADT)	Year 2030 Traffic Volume CNEL (ADT)	Year 2030 plus Project (Year 2030 Cumulative Conditions) Traffic Volume CNEL (ADT)
San Miguel Ranch Road	Proctor Valley Road to SR-125 SB Ramp (Chula Vista)	R1	45	8,300	9,400	13,600	14,600
San Miguel Ranch Road / Mt. Miguel Road	SR-125 NB Ramp to Proctor Valley Road (Chula Vista)	R2, R13	40	10,100	11,200	9,700	10,700
Proctor Valley Road	SR-125 NB Ramps to Mt. Miguel Road (Chula Vista)	R3	45	21,700	26,800	25,700	30,800
Proctor Valley Road	Mt. Miguel Road to Lane Avenue (Chula Vista)	R4	45	20,000	27,400	34,000	40,400

Table 14
Modeled Roadway Segments (Off-Site Receivers)

Roadway	From/To (Jurisdiction)	Modeled Receiver	Average Traffic Speed (MPH)	Existing Traffic Volume CNEL (ADT)	Existing plus Project Traffic Volume CNEL (ADT)	Year 2030 Traffic Volume CNEL (ADT)	Year 2030 plus Project (Year 2030 Cumulative Conditions) Traffic Volume CNEL (ADT)
Lane Avenue	Proctor Valley to Otay Lakes Road (Chula Vista)	R5	40	10,800	11,400	12,700	14,400
Proctor Valley Road	Lane Avenue to Hunte Parkway (Chula Vista)	R6	45	14,200	23,400	21,900	30,200
Hunte Parkway	Proctor Valley to Otay Lakes Road (Chula Vista)	R7	45	6,300	8,900	9,100	11,400
Hunte Parkway	Otay Lakes Road to Olympic Parkway (Chula Vista)	R8	45	10,900	12,300	17,200	18,500
Hunte Parkway	Olympic Parkway to Eastlake Parkway (Chula Vista)	R9	50	2,000	2,400	35,000	35,400
Proctor Valley Road	Hunte Parkway to Northwood Drive (Chula Vista)	R10, R12	45	5,800	**17,500**[b]	14,800	30,000
Northwoods Drive	Proctor Valley Road to Blue Ridge Drive (Chula Vista)	R11	45	1,400	1,900	400	1,200
Proctor Valley Road	Proposed Project Driveway No. 8 to Melody Road (San Diego County)	R14	25 (existing) / 45 (future)[a]	200	**700**[b]	6,200	6,900

Table 14
Modeled Roadway Segments (Off-Site Receivers)

Roadway	From/To (Jurisdiction)	Modeled Receiver	Average Traffic Speed (MPH)	Existing Traffic Volume CNEL (ADT)	Existing plus Project Traffic Volume CNEL (ADT)	Year 2030 Traffic Volume CNEL (ADT)	Year 2030 plus Project (Year 2030 Cumulative Conditions) Traffic Volume CNEL (ADT)
Proctor Valley Road	Melody Road to Schlee Canyon Road (San Diego County)	R15	45	1,700	2,200	6,600	6,900
Melody Road	Proctor Valley Road to SR-94 (San Diego County)	R16	40	300	600	5,200	5,500
Proctor Valley Road	Schlee Canyon Road to Maxfield Road (San Diego County)	R17	40	2,100	2,500	5,400	5,600
Proctor Valley Road	Maxfield Road to SR-94 (San Diego County)	R18	40	2,500	2,800	5,300	5,500

[a] Because Proctor Valley Road is currently unpaved in this area, the speed limit is 25 mph. In the future (year 2030) scenarios, Proctor Valley Road will be fully paved, and it is anticipated that the speed limit will be the same as the adjoining roadway segments.
[b] Existing plus Project traffic volumes would result in more than double the existing traffic volume along this segment. There is a potential for a direct noise impact.

Modeled vehicle speeds were based upon the posted speed limits. The modeled vehicle mix of 97% automobiles, 2% medium trucks, and 1% buses was based upon the vehicle counts conducted in concurrence with the field noise measurements.

5 NOISE SENSITIVE LAND USES

5.1 Guidelines for the Determination of Significance

County of San Diego

Based upon the County's Guidelines for Determining Significance: Noise (County of San Diego 2009a), the Proposed Project would result in a significant noise impact if it would result in the exposure of any on- or off-site, existing, or reasonably foreseeable future NSLUs to exterior or interior noise in excess of any of the following (County of San Diego 2009a):

A. Exterior Locations:

   i. 60 dB (CNEL) (Single-Family Residential); 65 dB (CNEL) (Multi-Family Residential, Mixed-Use, Schools, Passive Recreation Parks etc.); or

   ii. An increase of 10 dB (CNEL) over pre-existing noise.

   In the case of single-family residential detached NSLUs, exterior noise shall be measured at an outdoor living area which adjoins and is on the same lot as the dwelling, and which contains at least the following minimum area:

   1. Net lot area up to 4,000 square feet: 400 square feet
   2. Net lot area 4,000 square feet to 10 acres: 10% of net lot area
   3. Net lot area over 10 acres: 1 acre.

   For all other projects, exterior noise shall be measured at all exterior areas provided for group or private usable open space.

B. Interior Locations:

   45 dB (CNEL) except for the following cases:

   i. Rooms which are usually occupied only a part of the day (schools, libraries, or similar facilities), the interior one-hour average sound level due to noise outside should not exceed 50 dB(A).

   ii. Corridors, hallways, stairwells, closets, bathrooms, or any room with a volume less than 490 cubic feet.

As previously noted, a potentially significant noise increase is defined as an increase of 10 dBA CNEL above existing conditions, as stated in the County's Guidelines for Determining Significance: Noise, Section 4.1-A(ii). However, the County's *Report Format and Content Requirements – Noise*, Section 2.3, includes a statement that a "doubling of sound energy" is

considered a significant impact at a "documented noisy site" (County of San Diego 2009b). A doubling of sound energy is equivalent to a 3-dBA increase. Based on the County's Noise Compatibility Guidelines (Table N-1) and related Noise Standards (Table N-2) in the County's General Plan Noise Element, a documented noisy site is a location with NSLU that currently exceeds 60 dBA CNEL in the case of single-family residences, 65 dBA CNEL in the case of multifamily or mixed-use residences, or 70 dBA in the case of office/professional uses.

Thus, a substantial increase is defined as a 10-dBA increase, or greater, over existing noise levels when existing and future noise levels are below the County's General Plan Noise Compatibility Guidelines and Noise Standards, or a 3-dBA increase when existing or future noise levels equal or exceed the County's General Plan Compatibility Guidelines and Noise Standards.

Cumulative Noise Impact Criteria

Based on the guidance contained in the County's *Report Format and Content Requirements – Noise* (County of San Diego 2009b):

> Cumulative noise impacts may occur in discretionary applications where other permitted or planned projects will combine to exceed the standards of the Noise Element. It is more likely to occur in locations where existing noise levels are elevated or approach the applicable criterion of 60 dBA CNEL for an exterior noise sensitive land use (NSLU).

Further:

> Mitigation measures are required to reduce potential 'Cumulatively Considerable' impacts. Evaluation of mitigation feasibility and limitations shall be addressed in association with their implementation. A 'cumulatively considerable' contribution requiring mitigation or design measures is identified whenever … more than a one decibel increase from the project was identified in the model analysis.

By inference, "more than a one decibel increase" implies a 2-dBA or greater increase (when comparing Existing plus Cumulative versus Existing plus Cumulative plus Project).

City of Chula Vista

Based upon the City's noise guidelines and ordinance, the Proposed Project would result in a significant noise impact if it would result in the exposure of any on- or off-site, existing, or reasonably foreseeable future NSLU within the City of Chula Vista corporate boundaries to exterior land use-noise compatibility guidelines as outlined in Table 10 or exterior/interior noise outlined in Tables 11 and 12.

6 ANALYSIS OF PROJECT EFFECTS AND POTENTIAL NOISE IMPACTS

6.1 On-Site Traffic Noise

In the future, vehicular traffic on Proctor Valley Road is anticipated to be the primary noise source that would affect the Project Area. Using TNM, the Future (Year 2030) plus Project traffic noise levels were modeled for locations representative of the exterior living areas (i.e., future rear yards, side yards, patios) of the parcels along Proctor Valley Road. The modeled on-site receiver locations are shown in Figure 6.

The results of the noise modeling conducted for the proposed on-site NSLUs under the Future plus Project scenarios are shown in Table 15. The TNM sound modeling input/output data are included in Appendix B.

Table 15
Modeled On-Site Ground-Floor Traffic Noise Levels (dBA CNEL)

Receiver	Land Use	County of San Diego Exterior Noise Standard	Future (Year 2030) plus Proposed Project[a]	County of San Diego Noise Standard[b] Exceeded?
R19 P-1	Park	65	62	No
R20 R-4 southwest side	Single-family residential	60	69	Yes
R21 R-4 west side	Single-family residential	60	69	Yes
R22 R-4 northwest side	Single-family residential	60	69	Yes
R23 R-5 Lot 10 southwest side	Single-family residential	60	66	Yes
R24 R-5 Lot 5 west side	Single-family residential	60	68	Yes
R25 R-5 PPP-1 northwest side	Park	65	62	No
R26 R-12 south side	Park	65	63	No
R27 southwest side	School	65	61	No
R28 R-12 north side	Park	65	63	No
R29 S-1 west side	School	65	63	No
R30 S-1 northwest side	School	65	62	No
R31 P-2	Park	65	62	No
R32 MU-1	Mixed-Use	65	64	No
R33 R-10 Lot 6	Single-family residential	60	67	Yes
R34 R-10 Lot 4	Single-family residential	60	67	Yes
R35 R-10 Lot 2	Single-family residential	60	67	Yes
R36 R-11 PP-4	Park	65	61	No
R37 R-11 Lot 54	Single-family residential	60	66	Yes
R38 R-11 Lot 58	Single-family residential	60	66	Yes

Table 15
Modeled On-Site Ground-Floor Traffic Noise Levels (dBA CNEL)

Receiver	Land Use	County of San Diego Exterior Noise Standard	Future (Year 2030) plus Proposed Project[a]	County of San Diego Noise Standard[b] Exceeded?
R39 R-11 Lot 61	Single-family residential	60	66	Yes
R40 R-11 Lot 1	Single-family residential	60	65	Yes
R41 R-11 Lot 4	Single-family residential	60	64	Yes
R42 R-11 Lot 6	Single-family residential	60	59	No
R43 R-11 Lot 8	Single-family residential	60	53	No
R44 R-14 Lot 64	Single-family residential	60	59	No
R45 R-14 Lot 28	Single-family residential	60	63	Yes
R46 R-14	Open space	65	55	No
R47 R-14 Lot 27	Single-family residential	60	68	Yes
R48 R-14 Lot 2	Single-family residential	60	67	Yes
R49 R-14 Lot 1	Single-family residential	60	67	Yes
R50 R-14 P-4	Park	65	63	No
R51 R-13 Lot 1	Single-family residential	60	66	Yes
R52 R-13 Lot 9	Single-family residential	60	65	Yes
R53 R-13 Lot 8	Single-family residential	60	62	Yes
R54 R-13 Lot 10	Single-family residential	60	66	Yes
R55 R-13 Lot 11	Single-family residential	60	67	Yes
R56 R-13 Lot 12	Single-family residential	60	66	Yes

dBA = A-weighted decibel; CNEL = Community Noise Equivalent Level
[a] On-site traffic noise analysis uses year 2030 with full GDP/SRP build-out traffic conditions.
[b] 60 dBA CNEL for single-family residential, 65 dBA CNEL for mixed-use, open space, parks, and schools.

The traffic noise modeling results indicate that Future plus Project traffic noise levels would exceed the County's exterior noise standard of 60 dBA CNEL at many of the outdoor residential living areas, unless mitigation is provided. Noise levels at the proposed school site, parks and the mixed-use area would not exceed the County's 65 dBA CBEL noise standard. For the residences found to be in excess of the 60-dBA CNEL noise standard, mitigation measures were analyzed in the form of solid noise barriers, using the TNM v 2.5 traffic noise model. The results of the noise modeling with 6-foot-high noise barriers is shown in Table 16. The locations of the proposed noise barriers is shown in Figure 7, Soundwall Locations. As shown in Table 16, with 6-foot-high noise barriers located at the property boundaries fronting along Proctor Valley Road, all residential use land uses would be in conformance with County of San Diego transportation noise standards. The details of the required noise barriers are included in Section 11.2, Mitigation Measures.

Table 16
Modeled On-Site Ground-Floor Traffic Noise Levels (dBA CNEL) with Noise Barriers

Receiver	Land Use Type	County of San Diego Exterior Noise Standard	Future (Year 2030) plus Proposed Project[a] without Mitigation	County of San Diego Noise Standard[b] Exceeded?	Future (Year 2030) plus Proposed Project with Mitigation (6-foot high noise barriers)	County of San Diego Noise Standard[b] Exceeded with Mitigation?
R19 P-1	Park	65	62	No	N/A	No
R20 R-4 southwest side	Single-family residential	60	69	Yes	58	No
R21 R-4 west side	Single-family residential	60	69	Yes	58	No
R22 R-4 northwest side	Single-family residential	60	69	Yes	58	No
R23 R-5 Lot 10 southwest side	Single-family residential	60	66	Yes	55	No
R24 R-5 Lot 5 west side	Single-family residential	60	68	Yes	58	No
R25 R-5 PPP-1 northwest side	Park	65	62	No	N/A	No
R26 R-12 south side	Park	65	63	No	N/A	No
R27 southwest side	School	65	61	No	N/A	No
R28 R-12 north side	Park	65	63	No	N/A	No
R29 S-1 west side	School	65	63	No	N/A	No
R30 S-1 northwest side	School	65	62	No	N/A	No
R31 P-2	Park	65	62	No	N/A	No
R32 MU-1	Mixed-use	65	64	No	N/A	No
R33 R-10 Lot 6	Single-family residential	60	67	Yes	58	No
R34 R-10 Lot 4	Single-family residential	60	67	Yes	57	No
R35 R-10 Lot 2	Single-family residential	60	67	Yes	57	No
R36 R-11 PP-4	Park	65	61	No	N/A	No
R37 R-11 Lot 54	Single-family residential	60	66	Yes	56	No
R38 R-11 Lot 58	Single-family residential	60	66	Yes	59	No

Table 16
Modeled On-Site Ground-Floor Traffic Noise Levels (dBA CNEL) with Noise Barriers

Receiver	Land Use Type	County of San Diego Exterior Noise Standard	Future (Year 2030) plus Proposed Project[a] without Mitigation	County of San Diego Noise Standard[b] Exceeded?	Future (Year 2030) plus Proposed Project with Mitigation (6-foot high noise barriers)	County of San Diego Noise Standard[b] Exceeded with Mitigation?
R39 R-11 Lot 61	Single-family residential	60	66	Yes	57	No
R40 R-11 Lot 1	Single-family residential	60	65	Yes	56	No
R41 R-11 Lot 4	Single-family residential	60	64	Yes	58	No
R42 R-11 Lot 6	Single-family residential	60	59	No	N/A	No
R43 R-11 Lot 8	Single-family residential	60	53	No	N/A	No
R44 R-14 Lot 64	Single-family residential	60	59	No	N/A	No
R45 R-14 Lot 28	Single-family residential	60	63	Yes	55	No
R46 R-14	Open Space	65	55	No	N/A	No
R47 R-14 Lot 27	Single-family residential	60	68	Yes	58	No
R48 R-14 Lot 2	Single-family residential	60	67	Yes	55	No
R49 R-14 Lot 1	Single-family residential	60	67	Yes	58	No
R50 R-14 P-4	Park	65	63	No	N/A	No
R51 R-13 Lot 1	Single-family residential	60	66	Yes	55	No
R52 R-13 Lot 9	Single-family residential	60	65	Yes	54	No
R53 R-13 Lot 8	Single-family residential	60	62	Yes	52	No
R54 R-13 Lot 10	Single-family residential	60	66	Yes	55	No
R55 R-13 Lot 11	Single-family residential	60	67	Yes	57	No
R56 R-13 Lot 12	Single-family residential	60	66	Yes	60	No

N/A = not applicable; no mitigation required at this location; dBA = A-weighted decibel; CNEL = Community Noise Equivalent Level

[a] On-site traffic noise analysis uses year 2030 with full GDP/SRP build-out traffic conditions.

[b] 60 dBA CNEL for single-family residential, 65 dBA CNEL for mixed-use, open space, parks, and schools.

The noise levels at second-floor level façades[4] of the proposed residences facing Proctor Valley Road are shown in Table 17. As shown, noise levels would exceed the County of San Diego's exterior noise standard at 22 of the 27 modeled representative second-floor level second-floor level receivers in the Future plus Project scenario, resulting in a **potentially significant** traffic noise impact. Noise mitigation is provided in Section 11, Project Design Features and Mitigation Measures.

Table 17
Modeled On-Site Second-Floor Traffic Noise Levels

Receiver (Second-Floor Level)	Land Use Type	County of San Diego CNEL Exterior Noise Standard (dBA)	Future (Year 2030) plus Project[a]	County of San Diego Noise Standard[b] Exceeded?
R20 R-4 southwest Side 2nd Floor	Single-family residential	60	69	No
R21 R-4 west Side 2nd Floor	Single-family residential	60	69	Yes
R22 R-4 northwest Side 2nd Floor	Single-family residential	60	69	Yes
R23 R-5 Lot 10 southwest Side 2nd Floor	Single-family residential	60	67	Yes
R24 R-5 Lot 5 west Side 2nd Floor	Single-family residential	60	68	Yes
R32 MU-1 2nd Floor	Mixed-Use	65	64	No
R33 R-10 Lot 6 2nd Floor	Single-family residential	60	67	Yes
R34 R-10 Lot 4 2nd Floor	Single-family residential	60	67	Yes
R35 R-10 Lot 2 2nd Floor	Single-family residential	60	67	Yes
R37 R-11 Lot 54 2nd Floor	Single-family residential	60	66	Yes
R38 R-11 Lot 58 2nd Floor	Single-family residential	60	66	Yes
R39 R-11 Lot 61 2nd Floor	Single-family residential	60	66	Yes
R40 R-11 Lot 1 2nd Floor	Single-family residential	60	65	Yes
R41 R-11 Lot 4 2nd Floor	Single-family residential	60	64	Yes

[4] It is not known at this time which of the residential lots would have second floors and/or second-floor balconies facing Proctor Valley Road; second-floor noise exposures were conservatively assumed for all of the modeled on-site receiver locations.

Table 17
Modeled On-Site Second-Floor Traffic Noise Levels

Receiver (Second-Floor Level)	Land Use Type	County of San Diego CNEL Exterior Noise Standard (dBA)	Future (Year 2030) plus Project[a]	County of San Diego Noise Standard[b] Exceeded?
R42 R-11 Lot 6 2nd Floor	Single-family residential	60	60	No
R43 R-11 Lot 8 2nd Floor	Single-family residential	60	55	No
R44 R-14 Lot 64 2nd Floor	Single-family residential	60	60	No
R45 R-14 Lot 28 2nd Floor	Single-family residential	60	67	Yes
R47 R-14 Lot 27 2nd Floor	Single-family residential	60	68	Yes
R48 R-14 Lot 2 2nd Floor	Single-family residential	60	67	Yes
R49 R-14 Lot 1 2nd Floor	Single-family residential	60	67	Yes
R51 R-13 Lot 1 2nd Floor	Single-family residential	60	65	Yes
R52 R-13 Lot 9 2nd Floor	Single-family residential	60	65	Yes
R53 R-13 Lot 8 2nd Floor	Single-family residential	60	64	Yes
R54 R-13 Lot 10 2nd Floor	Single-family residential	60	66	Yes
R55 R-13 Lot 11 2nd Floor	Single-family residential	60	66	Yes
R56 R-13 Lot 12 2nd Floor	Single-family residential	60	66	Yes

dBA = A-weighted decibel; CNEL = Community Noise Equivalent Level
[a] On-Site traffic noise analysis uses year 2030 with full GDP/SRP build-out traffic conditions.
[b] 60 dBA CNEL for single-family residential, 65 dBA CNEL for multifamily residential.

The County requires that interior noise levels not exceed a CNEL of 45 dB. Typically, with the windows open, building shells provide approximately 15 dB of noise reduction. The exterior second-floor noise levels would range from 55 to 69 dB CNEL at proposed residential lots, which implies that interior noise levels at second-floor elevations would range from approximately 40 to 54 dB CNEL. Therefore, without mitigation the interior noise level in some cases for habitable spaces would exceed the County's 45 dB CNEL interior noise criterion, resulting in a **potentially significant impact**. Noise mitigation is provided in Section 11.

6.2 Off-Site Traffic Noise

The Proposed Project would result in additional vehicle trips on adjoining roadways, which potentially could result in significant noise increases. As discussed in Section 4.4.3, Noise Calculations, the Existing, Existing plus Project, Future (Year 2030 Cumulative Conditions) and Future (Year 2030 Cumulative Conditions) plus Project[5] traffic noise levels were modeled using TNM for representative NSLUs adjacent to roadways with a potential for a significant noise increase. The results of the noise modeling conducted for off-site NSLUs are shown in Table 18. The TNM sound modeling input/output data is included in Appendix B.

[5] Please note that as stated previously, the traffic volumes for the Year 2030 (without full GDP/SRP build-out) Cumulative Conditions are used for the assessment of off-site traffic noise impacts.

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
R1: San Miguel Ranch Road; west of SR-125	65 (City of Chula Vista)	64	65	1	No	No	66	67	1	No	No
R2: Mt. Miguel Road; Proctor Valley Road –San Miguel Ranch Road	65 (City of Chula Vista)	54	54	0	No	No	54	55	1	No	No
R3: Proctor Valley Road; SR125 – Mt. Miguel Road	65 (City of Chula Vista)	55	56	1	No	No	55	56	1	No	No

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
R4: Proctor Valley Road; Mt. Miguel Road – Lane Avenue	65 (City of Chula Vista)	59	60	1	No	No	61	62	1	No	No
R5: Lane Avenue: Proctor Valley Road – Otay Lakes Road	65 (City of Chula Vista)	54	55	1	No	No	55	56	1	No	No
R6: Proctor Valley Road; Lane Avenue – Hunte Parkway	65 (City of Chula Vista)	55	57	2	No	No	57	58	1	No	No

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
R7: Hunte Parkway; Proctor Valley Road – Otay Lakes Road	65 (City of Chula Vista)	52	54	2	No	No	54	55	1	No	No
R8: Hunte Parkway; Otay Lakes Road – Olympic Parkway	65 (City of Chula Vista)	57	58	1	No	No	59	60	1	No	No
R9: Hunte Parkway; Olympic Parkway – Eastlake Parkway	65 (City of Chula Vista)	47	48	1	No	No	59	59	0	No	No

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
R10: Proctor Valley Road; Hunte Parkway – Northwoods Drive	65 (City of Chula Vista)	50	54	4	No	No	53	56	3	No	No
R11: Northwoods Drive; Proctor Valley Road – Blue Ridge Drive	65 (City of Chula Vista)	50	52	2	No	No	48	52	4	No	No
M4 / R12: Proctor Valley Road west of Northwoods Drive	65 (City of Chula Vista)	51	56	5	No	No	55	57	2	No	No

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
M6 / R13: San Miguel Ranch Road east of SR-125	65 (City of Chula Vista)	59	60	1	No	No	61	61	0	No	No
M8 / R14: Proctor Valley Road north of Proposed Project	60 (County of San Diego)	39	51	12	No	Yes (Substantial Increase)	60	61	1	Yes	No (less than 2 dB increase)
M9 / R15: Proctor Valley Road; Melody Road – Schlee Canyon Road	60 (County of San Diego)	49	50	1	No	No	55	55	0	No	No

Table 18
Modeled Off-Site Traffic Noise Levels

Receiver: Location	Applicable Exterior Noise Standard (dBA CNEL)	Modeled Exterior Noise Levels (dBA CNEL)									Significant Cumulative Impact (Noise Standard Exceedance or Substantial Increase)?
		Existing	*Existing plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	*Significant Impact (Noise Standard Exceedance or Substantial Increase)?*	*Future (Year 2030 Cumulative Conditions)*	*Future (Year 2030 Cumulative Conditions) plus Proposed Project*	*Increase from Proposed Project*	*Noise Standard Exceedance as a Result of Proposed Project?*	
M10 / R16: Melody Road; Proctor Valley Road – SR-94	60 (County of San Diego)	48	51	3	No	No	60	60	0	No	No
M11 / R17: Proctor Valley Road; Schlee Canyon Road – Maxfield Road	60 (County of San Diego)	57	58	1	No	No	61	61	0	No	No
R18: Proctor Valley Road; Maxfield Road to SR-94	60 (County of San Diego)	59	60	1	No	No	63	63	0	No	No

As shown on Table 18, the off-site traffic noise modeling results indicate that Existing plus Project traffic noise levels would range from approximately 48 dB CNEL at R9 to approximately 65 dB CNEL at R1. Future plus Project noise levels would range from approximately 52 dB CNEL at R11 to 67 dB CNEL at R1.

Noise level increases as a result of the Proposed Project are also shown in Table 18. The increase in noise levels as a result of the Proposed Project for the most part ranges from 0 to 5 dB; however, in one instance, at a location within the County (M8/R14, a cluster of several rural residential properties located on the north side of Proctor Valley Road, north of the Proposed Project and west of Melody Road), the Existing plus Project scenario would be 12 dB higher than the existing scenario. The noise level at this location would increase from 39 dB CNEL in the existing condition to 51 dB CNEL in the Existing plus Project condition. The 12 dB increase in the Existing plus Project scenario versus the existing scenario is due to the fact that Proctor Valley Road currently carries very low traffic volumes. The baseline for a Proposed Project is normally the condition that exists when the Notice of Preparation is published; therefore, the unimproved, low-traffic volume Proctor Valley Road is considered as the existing roadway condition in this analysis.

It should also be noted that in comparing the Future (Year 2030) traffic noise level at M8/R14 with the Future (Year 2030) plus Project traffic noise level, the modeled noise level would be 60 dB CNEL in Year 2030 and 61 dB CNEL in the Year 2030 plus Project. The incremental increase resulting from the Proposed Project at this location would be only 1 dB (Proctor Valley Road would be improved by 2030), and in the context of community noise, 1 dB is not an audible change. Nonetheless, the Proposed Project would result in a 12 dB increase in the Existing plus Project Scenario, which is a **potentially significant impact**.

Modeled receivers R1 through R13 are located in the City of Chula Vista, which has an exterior noise standard of 65 dB CNEL (City of Chula Vista 2005). The Proposed Project would not cause any of the receivers located in the City of Chula Vista to exceed the City of Chula Vista noise standard of 65 dB CNEL.

Receivers R14 through R18 are located in the County of San Diego, which has an exterior noise standard for single-family residences of 60 dB CNEL. As previously stated, one of the receivers (R8/M14) would exceed the County of San Diego noise standard of 60 dB CNEL with implementation of the Proposed Project; however, the noise level increase due to the addition of Project traffic would be 1 dB, and, therefore, the Project's impact would not be a "cumulatively considerable contribution."

The potential for traffic noise impacts to vehicles using the proposed connection to Whispering Meadows Lane (to Melody Road) was also considered. Based on information from the traffic impacts analysis, because of the resulting circuitous route that would be required for residents within the Village 14 and a larger majority of Planning Area 16 of the project to access the connection, a total of seven project-related vehicle trips in the AM peak hour and nine trips in the PM peak hour are anticipated to utilize the Whispering Meadows connection on a typical day. Such a low volume of vehicles would not alter the hourly or daily levels of traffic noise on Whispering Meadows Lane, particularly given the low vehicle speeds associated with this roadway type.

Based upon analysis of the County's Guidelines for Determining Significance, the Proposed Project would result in a **potentially significant impact** in the form of a substantial noise increase (+12 dB) at residential receiver M8/R14, located north of the Proposed Project along Proctor Valley Road and west of Melody Road. Potential mitigation measures are discussed in Section 11.

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7 OPERATIONAL ACTIVITIES

Noise thresholds for operational activities are regulated through the County's Noise Ordinance, (County of San Diego 2011b) "Noise Abatement and Control." Section 36.404 includes sound level limits for non-construction-related stationary noise sources (i.e., 1-hour average sound level limits for the Proposed Project's operational-related noise sources) such as mechanical equipment (e.g., pumps and HVAC equipment), operation-related traffic (e.g., vehicle movement, engine noise), speakers, bells, chimes, and outdoor human activity in defined limited areas.

The allowable noise limits depend upon the zoning district and time of day. The 1-hour average sound level limits for residential zoned areas with a density of 11 or less dwelling units per acre is 50 dB from 7 a.m. to 10 p.m., and 45 dB from 10 p.m. to 7 a.m.[6] If the measured ambient noise level exceeds the applicable limit previously noted, the allowable 1-hour average noise levels shall be the ambient noise level. Operational noise sources would include a potential elementary school, neighborhood parks, and private recreational facilities and operation of HVAC units at single-family homes. Relative to the elementary school site, neighborhood parks and private recreational facilities, these uses would be subject to compliance with the County Noise Ordinance. Therefore, through compliance with the County Noise Ordinance, impacts would be be less than significant.

Relative to the air-conditioning units at each of the single-family, the Proposed Project is still in its preliminary design stages, and the specific HVAC units and configurations are not yet known. Noise levels from HVAC equipment can vary substantially depending on unit efficiency, size, and location but generally range from 50 to 65 dBA L_{eq} at a distance of 50 feet (City of Santa Ana 2010). Assuming a typical attenuation rate of 6 dB per doubling of distance for point-source type noise sources, noise levels attributed to unshielded HVAC mechanical systems could exceed the County of San Diego daytime property line noise limit for residential land uses (50 dBA L_{eq}) within 250 feet of the source. In addition, sources within 450 feet of an NSLU property line could exceed the County's nighttime noise limit (i.e., 45 dBA L_{eq}) for stationary source noise. As a result, the impact of noise from HVAC equipment under the Proposed Project would be **potentially significant**. Potential mitigation measures are discussed in Section 11.

[6] Based on Table 1, Site Utilization Plan – Land Use Summary, this is the appropriate standard.

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8 CONSTRUCTION ACTIVITIES

Noise thresholds for construction noise are regulated through the County's Noise Ordinance, Chapter 4, Noise Abatement and Control. Section 36.409 in this ordinance sets limits on the time of day and days of the week that construction can occur as well as setting noise limits for construction activities. The ordinance prohibits operating construction equipment at the following times:

- Mondays through Saturdays except between 7 a.m. and 7 p.m.
- Sundays, and days appointed by the president, governor, or Board of Supervisors for a public fast, Thanksgiving, or holiday.

In addition, the Noise Ordinance requires that no equipment shall be operated so as to cause an 8-hour average construction noise level in excess of 75 dB between 7 a.m. and 7 p.m. when measured at the boundary line of the property where the noise source is located or on any occupied property where the noise is being received.

8.1 Construction Noise

Construction noise and vibration are temporary phenomena. Construction noise and vibration levels will vary from hour to hour and day to day, depending on the equipment in use, the operations being performed, and the distance between the source and receptor.

The Proposed Project's construction activities would include the following:

- **Site Preparation.** Noise sources could include crawler tractors, loaders, and a grinder.
- **Grading.** Noise sources could include such equipment as crawler tractors, excavators, graders, loaders and backhoes, drill rigs, water trucks, and off-highway trucks.
- **Building Construction.** Noise sources could include cranes, forklifts, tractors, loaders, backhoes, and generator sets.
- **Trenching (Utilities)**. Noise sources could include excavators, tractors, loaders, backhoes, and water trucks.
- **Architectural Coatings.** Noise sources could include air compressors.
- **Paving.** Noise sources could include pavers, paving equipment (i.e., oilers, sweepers), loaders, water trucks, rollers, and scrapers.
- **Brush Maintenance / Landscaping.** Noise sources could include loaders, dump trucks, water trucks, rollers, and trenchers.

To assess the potential noise effects of construction activities, this noise analysis used data from an extensive field study of various types of industrial and commercial construction projects (EPA 1971). Noise levels associated with various construction phases, assuming all pertinent equipment is present and operating at a reference distance of 50 feet, are shown in Table 19. Because of vehicle technology improvements and stricter noise regulations since the field study was published in 1971, these levels likely are overstated. Nonetheless, this analysis conservatively uses the average noise levels shown in Table 19 for the loudest construction phase. This information indicates that the overall (hourly) average noise level generated on a construction site could be 89 dBA at a distance of 50 feet during excavation and finishing phases. The noise levels presented are value ranges; the magnitude of construction noise emission typically varies over time because construction activity is intermittent and the power demands on construction equipment (and the resulting noise output) are cyclical. Typically, a 12-hour L_{eq} would be lower than an hourly L_{eq}.

Construction may also involve blasting to break up bedrock close to the ground surface. Typically, most of the noise generated by blasting is very low in frequency—below the frequency range audible to humans. The use of impulsive noise equipment and construction activities that would result in impulse noise (e.g., pile driving or explosives blasting) is discussed in Section 9, Potential Impulsive Noise Impacts.

Noise levels generated by construction equipment (or by any point source) decrease at a rate of approximately 6 dBA per doubling of distance from the source (Harris 1979). As the loudest construction activities associated with on-site construction of the Proposed Project would be during excavation and grading, as well as finishing (approximately 89 dBA at 50 feet), the on-site construction noise would be approximately 83 dBA at 100 feet, 77 dBA at 200 feet, 71 dBA at 400 feet, and so on. Intervening structures that block the line of sight, such as buildings, would further decrease the resultant noise level by a minimum of 5 dBA. The effects of molecular air absorption and anomalous excess attenuation would further reduce the noise level from construction activities at more distant locations at the rates of 0.7 dBA and 1 dBA per 1,000 feet, respectively.

Table 19
Typical Noise Levels from Construction Activities for Large Construction Projects

Construction Activity	Average Sound Level at 50 feet (dBA L_{eq})*	Standard Deviation (dB)
Ground clearing	84	7
Excavation/grading	89	6
Foundations	78	3
Erection	87	6
Finishing	89	7

Source: EPA 1971.
* Sound level with all pertinent equipment operating.

8.2 Construction Noise Impact to Off-Site Residences

The Proposed Project has the potential to result in short-term noise impacts at off-site residential NSLUs as a result of the construction of off-site improvements to Proctor Valley Road as well as development of Otay Ranch Village 14.

8.2.1 Proctor Valley Road Improvements

As part of the Proposed Project, the currently unimproved Proctor Valley Road would be improved approximately from east of Northwoods Drive/Agua Vista Drive in Chula Vista to Echo Valley Road in Jamul. Additional infrastructure would be included within the Proctor Valley Road easement, including a sewer, water and dry utility extension, a sewer pump station, and the Proctor Valley Regional Pathway. The nearest existing NSLUs with respect to the Proctor Valley Road improvements are several single-family residences located along Proctor Valley Road near Echo Valley Road in Jamul, approximately 60 feet away from the northern extent of roadway improvements. Additionally, existing single-family residences are located approximately 140 feet away from the westerly extent of proposed off-site Proctor Valley Road improvements, adjacent to Proctor Valley Road at Northwoods Drive/Agua Vista Drive in the City of Chula Vista.

The nearest existing NSLUs are shown in Figure 8. Construction of the Proctor Valley Road improvements would result in noise levels as high as 87 dBA L_{eq} at the nearest existing residences 60 feet away, and as high as 80 dBA L_{eq} at the next-nearest existing residences 140 feet away. Because construction work is cyclical in nature, the 8-hour average noise levels would be lower. Nonetheless, construction associated with the Proposed Project would likely result in exceedances of the County's 75 dBA $L_{eq(8\text{-}hr)}$ noise standard at the nearest existing NSLUs in Jamul (unincorporated San Diego County); therefore, this would be a **potentially significant impact**. Potential mitigation measures are discussed in Section 11.

At the nearest existing residences in Chula Vista, the City of Chula Vista does not have a construction noise level threshold; however, noise from construction operations would be high relative to existing ambient noise levels and would constitute a temporary substantial noise increase. Therefore, this would be a **potentially significant impact**. Potential mitigation measures are discussed in Section 11.

8.2.2 Otay Ranch Village 14 and Planning Areas 16/19

The nearest existing NSLUs to the Project Area are single-family residences located near the southwest boundary of Jamul, located as near as 60 feet to the north, and single-family residences approximately 2,900 feet to the west of the Project Area (in the Bella Lago

community of Chula Vista as shown on Figure 8). Proposed Project construction would result in noise levels as high as approximately 87 dBA L_{eq} at the nearest existing residences 60 feet away and approximately 49 dBA L_{eq} at the next-nearest set of existing residences ~~3,100~~2,900 feet away. Because construction work is cyclical in nature, the 8-hour average noise levels would be lower. Nonetheless, construction associated with the Proposed Project would likely result in exceedances of the County's 75 dBA $L_{eq(8\text{-}hr)}$ noise standard at the nearest existing NSLUs in Jamul (unincorporated San Diego County); therefore, this would be a **potentially significant impact**. Potential mitigation measures are discussed in Section 11.

At the nearest existing residences in Chula Vista, the City of Chula Vista does not have a construction noise level threshold; moreover, noise from construction operations would be relatively low compared to existing ambient noise levels. Therefore, this would be a **less-than-significant impact**.

8.3 Construction Noise Impact to Adjacent On-Site Residences

Because the development of the Proposed Project would be a multi-year endeavor, portions of the development would be completed and occupied during the construction of subsequent portions (phases). Therefore, the occupied Proposed Project phases have the potential to be impacted by noise from ongoing construction activities. Location-specific phasing schedules are not available at this time; it is therefore possible that construction of a new phase of the Proposed Project could take place as near as 50 feet of an occupied phase. In such an instance, short-term noise levels as high as 89 dBA L_{eq} could result. Because construction work is cyclical in nature, the 8-hour average noise levels would be lower. Nonetheless, construction associated with the Proposed Project could result in exceedances of the County's 75-dBA $L_{eq(8\text{-}hr)}$ noise standard; therefore, this would be a **potentially significant impact**. Potential mitigation measures are discussed in Section 11.

9 POTENTIAL IMPULSIVE NOISE IMPACTS

Impulsive noise sources associated with construction activities could include rock drilling and blasting. Pile driving is not anticipated to be necessary as part of this Proposed Project.

It is preliminarily estimated that approximately 5,354,227 cubic yards of rock would be blasted during the early stages of excavation and mass grading for Phase 1 (January 2018–December 2024) of the Proposed Project, and that approximately 1,778,632 cubic yards of rock would be blasted during the early stages of excavation and mass grading for Phase 2 (December 2020–November 2027) (TM 5616).

Blasting (and the associated drilling that precedes blasting) would be limited to the hours between 7 a.m. and 7 p.m. (County of San Diego 2011b). Based upon preliminary estimates (Hunsaker and Associates Inc. 2017), potential areas where rock blasting may be necessary are located within approximately 140 feet of existing noise- and vibration-sensitive land uses (in this case, residences located to the north of the Project Area). The next-closest area where rock blasting may be necessary are residences located approximately 1,100 feet west of the Project Area. Construction blasting generates a maximum noise level of approximately 94 dB at a distance of 50 feet (FHWA 2006). This source noise level is used in this analysis because it provides a reasonable estimate of the construction blasting noise level. However, the noise level would vary depending on various factors, as more fully described in the following text. The blast is generally perceived as a dull thud rather than as a loud explosion.

U.S. Bureau of Mines: The United States Bureau of Mines has provided an impact guide in the area of structural and human response to vibration (USBM 1980). The criteria are well accepted for all types of ground vibration and are based on the peak particle velocity (PPV) of the receiving structure. The potential for damage to residential structures is greater with low-frequency blast vibration (below 40 Hertz (Hz)) than with high-frequency blast vibration (40 Hz and above). For low-frequency blast vibration (below 40 Hz), a vibration limit of 0.75 inches per second for modern drywall construction and 0.50 inches per second for older plaster-on-lath construction is proposed. For high frequencies (above 40 Hz), a limit of 2 inches per second for all types of construction is proposed.

The United States Bureau of Mines also published a document regarding recommendations for maximum safe air overpressure levels for blasting (USBM 1980). This document, "Structure Response and Damage Produced by Airblast from Surface Mining," recommends a maximum safe air overpressure of 134 dB (linear) for residential structures. The first occurrence of airblast damage is usually the breakage of poorly mounted windows at approximately 152 dB (linear) (Caltrans 2004). The response and annoyance problem from airblast is probably primarily caused by wall and window rattling and the resulting secondary noises. Although these effects would

not entirely be precluded by the recommended levels, the recommended levels are considered low enough to preclude damage to residential structures, but they may not address the annoyance of individuals.

County of San Diego Blasting Permit: Prior to all blasting activities, a blasting permit would be required to be obtained from the County as defined in Section 96.1.202 in the County Code of Regulatory Ordinances, which would ensure that all blasting is conducted according to County Code and minimizes adverse effects to safety. The permit is issued in accordance with the California Health and Safety Code requirements. As part of the permit conditions, pre-blast notifications to all residences and businesses within 600 feet of the blast site, pre-blast structure survey inspections for structures within 300 feet, pre-blast inspection reports, seismograph monitoring of the nearest structure within 600 feet, and post-blast inspections are required.

Blasting involves drilling a series of boreholes and placing explosives in each hole. By limiting the amount of explosives in each hole, the blasting contractor can limit the fraction of the total energy released at any single time, which in turn can reduce noise and vibration levels. Rock drilling generates impulsive noise from the striking of the hammer with the anvil within the drill body, which drives the drill bit into the rock. Rock drilling generates noise levels of approximately 80 to 98 dB L_{max} at a distance of 50 feet. Given a typical work cycle, this would equate to 78 dBA L_{eq} at 50 feet. Assuming a noise level of 98 dBA L_{max} at 50 feet, the noise level from rock drilling would be less than the County noise standard for impulsive noise at a distance of approximately 350 feet.

When explosive charges detonate in rock, almost all of the available energy from the explosion is used in breaking and displacing the rock mass. However, some blast energy escapes into the atmosphere as a sequence of airborne sound waves, a phenomenon known as "air-blast overpressure." These sound waves are very low frequency, below the audible range. Very high air-blast overpressure levels can rattle or in some cases break windows. However, air-blast overpressure rarely reaches levels that could cause building damage with modern blasting practices. Specific locations where blasting may be necessary is not known at this time. In addition, other details such as blast-charge weights are not known at this time; thus, air-blast overpressures cannot be reliably predicted. However, based upon a preliminary estimate of the nearest potential areas where rock blasting may be necessary as being within approximately 140 feet of existing residences, a maximum noise level of up to 89 dBA L_{max} from the rock drilling and up to 85 dBA L_{max} from the blasting could occur. These levels would exceed County's threshold of significance for impulsive sounds at residential land uses of 82 dBA L_{max}. Therefore, impacts associated with blasting would be **potentially significant.** Mitigation measures are discussed in Section 11.

Portable Rock-Crushing/Processing Facility

A portable rock-crushing/processing facility would be used on site during construction activities. Typically, rock-crushing operation would begin with a front-end loader picking up material and dumping the material into a primary crusher. The material would then be crushed, screened, and stacked in product piles. The material would be stockpiled adjacent to the rock-crushing equipment. All material would be used on site. Electric power would most likely be provided by a diesel engine generator. Based on noise measurements that have been conducted for portable rock crushing operations, the rock crushing activity would generate a 1-hour average noise level of approximately 80 dBA at a distance of 100 feet from the primary crusher. The primary crusher would also generate impulsive noise events. Maximum noise levels associated with the primary crusher could reach approximately 88 dBA at 100 feet.

The closest existing off-site residence property line or NSLU could be located within approximately 140 feet of the proposed rock crushing. At this distance, the noise level (both 8-hour average and impulsive noise) associated with the rock crushing activities would be approximately 77 dBA L_{eq} and approximately 85 dBA L_{max}. These noise levels would exceed County 8-hour construction noise and impulsive noise thresholds and, therefore, would be **potentially significant**. At a distance of 250 feet, the average noise level from a typical rock crushing operation would be reduced to below County 8-hour construction noise and impulsive noise thresholds. Where possible, rock-crushing equipment should be located further than 250 feet to minimize annoyance to nearby NSLU. Mitigation measures are discussed in Section 11.2.

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10 GROUNDBORNE VIBRATION AND NOISE IMPACTS

10.1 Guidelines for the Determination of Significance

Based upon the County's Guidelines for Determining Significance: Noise (County of San Diego 2009a), the Proposed Project would result in a significant noise impact if Proposed Project implementation could expose the land use types listed in Tables 20 and 21 to groundborne vibration and noise levels equal to or greater than the levels shown.

Table 20
Guidelines For Determining the Significance of Groundborne Vibration and Noise Impacts

Land Use Category	Groundborne Vibration Impact Levels (inches/second RMS)		Groundborne Noise Impact Levels (dB re 20 micropascals)	
	Frequent Events[a]	*Occasional or Infrequent Events*[b]	*Frequent Events*[a]	*Occasional or Infrequent Events*[b]
Category 1: Buildings where low ambient vibration is essential for interior operations (research and manufacturing facilities with special vibration constraints)[f]	0.0018[c]	0.0018[c]	Not applicable[d, e]	Not applicable[d,e]
Category 2: Residences and buildings where people normally sleep (hotels, hospitals, residences, and other sleeping facilities)[f]	0.0040	0.010	35 dBA	43 dBA
Category 3: Institutional land uses with primarily daytime use (schools, churches, libraries, other institutions, and quiet offices)[f]	0.0056	0.014	40 dBA	48 dBA

Source: FTA 2006.
RMS = root mean square; re = relative

[a] "Frequent events" is defined as more than 70 vibration events per day. Most rapid transit projects fall into this category.

[b] "Infrequent events" is defined as fewer than 70 vibration events per day. This category includes most commuter rail systems.

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

[d] Vibration-sensitive equipment is not sensitive to groundborne noise.

[e] There are some buildings, such as concert halls, TV and recording studios, and theaters that can be very sensitive to vibration and noise but do not fit into any of the three categories. Table 24 gives criteria for acceptable levels of groundborne vibration and noise for these various types of special uses.

[f] For Categories 2 and 3 with occupied facilities, isolated events such as blasting are significant when the PPV exceeds 1 inch per second. Non-transportation vibration sources such as impact pile drivers or hydraulic breakers are significant when their PPV exceeds 0.1 inches per second. More specific criteria for structures and potential annoyance were developed by Caltrans (2004) and will be used to evaluate these continuous or transient sources in the County.

Table 21
Guidelines for Determining the Significance of Groundborne Vibration and Noise Impacts for Special Buildings

Type of Building or Room	Groundborne Vibration Impact Levels (inches/second RMS)		Groundborne Noise Impact Levels (dB re 20 micropascals)	
	Frequent Event[a]	*Occasional or Infrequent Event*[b]	*Frequent Events*[a]	*Occasional or Infrequent Events*[b]
Concert halls, TV studios, and recording studios	0.0018	0.0018	25 dBA	25 dBA
Auditoriums	0.0040	0.010	30 dBA	38 dBA
Theaters	0.0040	0.010	35 dBA	43 dBA

Source: FTA 2006.
RMS = root mean square; re = relative
[a] "Frequent Events" is defined as more than 70 vibration events per day. Most rapid transit projects fall into this category.
[b] "Infrequent Events" is defined as fewer than 70 vibration events per day. This category includes most commuter rail systems.

As stated in Note "f" of Table 20, Caltrans criteria shall be used for pile drivers and transient sources such as those associated with Proposed Project construction. As previously noted, pile driving is not anticipated for this Proposed Project. For the purposes of this vibration analysis, impacts from general construction would occur if vibration levels exceed 0.0040 inches per second RMS (County of San Diego 2009a).

10.2 Potential Groundborne Vibration and Noise Impacts

10.2.1 Operations

No operational components of the Proposed Project include significant groundborne noise or vibration sources, and no significant vibrations sources currently exist, or are planned, in the Project Area. Thus, no significant groundborne noise or vibration impacts would occur with the operation of the Proposed Project.

10.2.2 Construction

In general, on-site construction equipment that would cause the most groundborne vibration and noise would be associated with site grading and pile driving for foundations. For this project, no pile driving is anticipated. Groundborne vibration associated with blasting is anticipated, and is addressed separately below. During grading, the largest groundborne vibration levels are anticipated to be generated by large bulldozers and loaded trucks used for earthmoving. According to the FTA, vibration levels associated with the use of bulldozers range from approximately 0.003 to 0.089 inches per second PPV and 58 to 87 vibration decibels (VdB) at 25

feet, as shown in Table 22. Additionally, loaded trucks used for soil hauling during grading could generate vibration levels of approximately 0.076 inches per second PPV and noise levels of 86 VdB at 25 feet. According to the FTA's methodology for determining vibration propagation, vibration levels would exceed County-recommended Caltrans thresholds for residences of 0.004 PPV inches per second RMS within 190 feet of large bulldozers and 170 feet of loaded trucks.

Table 22
Typical Construction Equipment Vibration Levels

Equipment	PPV at 25 feet (inches per second)	Approximate Noise Level at 25 Feet*
Vibratory roller	0.210	94
Jackhammer	0.035	79
Large bulldozer	0.089	87
Loaded trucks	0.076	86
Small bulldozer	0.003	58

Sources: FTA 2006; Caltrans 2013.
PPV = peak particle velocity
* Where noise level is the velocity level in decibels (VdB) referenced to 1 microinch per second and based on the RMS velocity amplitude.

The nearest sensitive receptors to Proposed Project construction activities that could produce high vibration levels would be at the same residences to the north and west of off-site Proctor Valley Road improvements in Jamul and the City of Chula Vista, identified as part of the construction noise impact assessment (see Section 8.2.1), located approximately 60 feet and 140 feet away, respectively. Therefore, at a distance of 60 feet and greater, vibration levels are anticipated to exceed 0.004 inches per second RMS or 0.1 inches per second PPV from grading activities at the nearest off-site residences. This impact would be **potentially significant**.

Because the development of the Proposed Project would be a multi-year endeavor, portions of the development would be completed and occupied during the construction of subsequent portions (phases). Therefore, the occupied Proposed Project phases have the potential to be impacted by vibration from ongoing construction activities. Location-specific phasing schedules are not available at this time; it is therefore possible that construction of a new phase of the Proposed Project could take place as near as 50 feet of an occupied phase. In such an instance, short-term vibration levels as high as 0.03 inches per second RMS could result. Therefore, vibration levels may exceed 0.004 inches per second RMS from grading activities on and off site at the nearest residence. This impact would be **potentially significant**. Mitigation measures are discussed in Section 11.

Blasting

Due to the geologic character of the project Proposed Area, blasting and/or on-site rock breaking is anticipated during site preparation activities for the Proposed Project. Thus, construction-related blasting activities may result in significant groundborne vibrations or groundborne noise impacts. At the current stage of the project design, a blasting study has not been completed, and no specific blasting timelines or blast numbers are available. However, it is anticipated (based upon prior projects) that blasting is expected to occur at 2- to 3-day intervals with no more than one blast per day. Preliminary blasting location identification (Hunsaker and Associates Inc. 2017) indicates that blasting could take place within approximately 140 feet of existing residences.

As previously discussed in Section 9, when explosive charges detonate in rock, almost all of the available energy from the explosion is used in breaking and displacing the rock mass. However, a small portion of the energy is released in the form of vibration waves that radiate away from the charge location. The strength, or amplitude, of the waves reduces as the distance from the charge increases. The rate of amplitude decay depends on local geological conditions but can be estimated with a reasonable degree of consistency, which allows regulatory agencies to control blasting operations by means of relationships between distance and explosive quantity.

The explosive charges used in mining and mass grading are typically wholly contained in the ground. However, because the exact blasting locations, necessary geotechnical data or blasting and materials handling plans are not known at this time, it is not possible to conduct a groundborne vibration analysis assessing the proposed blasting and materials handling associated with the Proposed Project. Therefore, for purposes of this analysis, impacts would be **potentially significant**. Mitigation measures are discussed in Section 11.

11 PROJECT DESIGN FEATURES AND MITIGATION MEASURES

11.1 Project Design Features

No project design features are incorporated into the Proposed Project.

11.2 Mitigation Measures

The following mitigation measures are required to address the identified potentially significant noise impacts.

Due to the conflicts with the proposed land uses and predicted future vehicular noise levels from Proctor Valley Road, the following mitigation measures would be required to reduce potential traffic noise impacts to a **less-than-significant** level, and ensure the Proposed Project complies with the County's noise standards:

Exterior Residential Noise Levels

M-N-1 The single-family residential lots shown in Figure 7 with rear- or side-yard exposures adjacent to Proctor Valley Road shall include minimum 6-foot-high solid noise barriers along the exposure. The noise barriers may be constructed as a wall, berm, or a combination of both. The materials used in the construction of the barrier are required to have a minimum surface density of 4 pounds per square foot. They may consist of masonry material, 0.625-inch thick Plexiglas, 0.25-inch thick plate glass, or a combination of these materials. The barriers must be designed so there are no openings or cracks.

Interior Residential Noise Levels

M-N-2 Prior to issuance of building permits (and after preparation of detailed building plans) for all proposed single-family residential units directly adjacent to Proctor Valley Road as shown in Figure 7, the building permit applicant shall demonstrate that interior noise levels due to exterior noise sources would not exceed the applicable County noise ordinance standard of 45 dBA CNEL for the subject land use. In addition to the installation of sound walls that will be constructed under M-N-1, it is anticipated that compliance with the applicable standard would be achieved by structure setbacks, acoustically rated windows and doors, or air conditioning or equivalent forced air circulation to allow occupancy with closed windows, which, for most construction, would provide sufficient exterior-to-interior noise reduction. An acoustical study shall be prepared to demonstrate and

verify that interior noise levels will be below 45 CNEL within all habitable residential rooms.

Implementation: Proposed Project applicant, or its designee, and primary contractor(s) of all Proposed Project phases for the single-family residential units directly adjacent to Proctor Valley Road.

Timing: A Noise Restriction Easement will be dedicated to the Final Map to include the following requirement: Prior to issuance of building permits for development of on-site single- family residential units directly adjacent to Proctor Valley Road, after detailed building plans are available and model numbers/types have been sited on a precise grading plan.

Enforcement: The County of San Diego will be responsible for enforcement.

Off-Site Noise Impacts

As previously discussed, in comparing Existing and Existing plus Project noise levels, the Proposed Project would result in a substantial increase in noise levels (from 39 dBA CNEL in the Existing scenario to 51 dBA CNEL in the Existing plus Project scenario) at existing off-site residences located adjacent to Proctor Valley Road north of the Proposed Project and west of Melody Road (as represented by receiver M8/R14). Although the resulting noise level would be an acceptable 51 dBA CNEL, the increase would exceed 10 dBA, thereby resulting in a significant impact. The affected roadway segment and adjacent residences are shown in Figure 9, Off-Site Noise Impacts – M8/R14.

Several methods are available to reduce traffic noise such as noise barriers, road surface improvements, regulatory measures (e.g., lower speed limits), and traffic calming devices (e.g., speed bumps). However, none of these measures are considered feasible.

For example, constructing noise barriers (e.g., sound walls) on private property at M8/R14 and surrounding residences would require permission of the property owner and raise potential liability and maintenance concerns. Additionally, to be most effective noise barriers would need to be continuous; however, due to the need for driveways and other access points, the continuity of the barrier and its effectiveness would be limited.

Measures such as reduced speed limits or traffic calming devices would require legal or government enforcement and may have undesirable or unacceptable impacts in other areas such as speed bumps lengthening emergency response calls.

For these reasons, mitigation of off-site impacts from noise level increases along Proctor Valley Road north of the Proposed Project and West of Melody Road is considered infeasible, and the Proposed Project, therefore, would have a **significant and unavoidable direct impact**. As previously explained, it is important to note that identification of the significant impact is based on the Existing plus Project scenario and the increase in noise levels over existing levels (i.e., an increase greater than 10 dBA CNEL (See Table 18, Receiver Location M8/R14.)) The resulting Existing plus Project noise level under this scenario would be 51 CNEL, which is within the County's compatibility criteria.

On-Site Stationary Source Noise Impacts

M-N-3 Prior to the issuance of any building permit for stationary noise-generating equipment such as HVAC systems, the applicant, or its designee, shall prepare an acoustical study(s) of the proposed stationary noise sources associated with the HVAC systems, for submittal to the County for review and approval. Best engineering practices shall be implemented, and the placement of noise-generating equipment and shielding shall be considered when installing stationary noise sources associated with HVAC systems. The acoustical study shall identify all noise-generating equipment and predict noise levels from all identified equipment at the applicable property lines. Where predicted noise levels would exceed those levels deemed acceptable as established by the County's Noise Ordinance, Section 36.404, the acoustical study shall identify mitigation measures shown to effectively reduce noise levels (e.g., enclosures, barriers, and site orientation) to be implemented to comply with Section 36.404. Such mitigation measures shall be implemented by the applicant, or its designee, prior to issuance of any building permit.

Implementation: This mitigation measure will be implemented by the applicant(s), or its designee, and primary contractor(s) of all Proposed Project phases.

Timing: This mitigation measure will be carried out prior to issuance of building permits.

Enforcement: The County will be responsible for enforcement.

Construction Noise Impacts

Construction activities have the potential to generate short-term noise levels greater than 75 dBA $L_{eq(8\text{-}hr)}$ at existing NSLU near off-site Proctor Valley Road improvements (Section 8.2.1) and at

future on-site receivers adjacent to subsequent construction. The following mitigation measures will be implemented and will be included as notes to the grading plan.

M-N-4 The Proposed Project applicant, or its designee, shall take those steps necessary to ensure that all construction equipment shall be properly maintained and equipped with noise-reduction intake, exhaust mufflers, and engine shrouds, in accordance with manufacturers' recommendations. Equipment engine shrouds shall be closed during equipment operation.

M-N-5 The Proposed Project applicant, or its designee, shall take those steps necessary to ensure that whenever feasible, electrical power shall be used to run air compressors and similar power tools.

M-N-6 The Proposed Project applicant, or its designee, shall take those steps necessary to ensure that all equipment staging areas shall be located as far as feasible from occupied residences or schools.

M-N-7 The Proposed Project applicant, or its designee, shall take those steps necessary to ensure that all construction activity on and off the Proposed Area, noise attenuation techniques shall be employed, as needed, to ensure that noise levels remain below 75 dBA L_{eq} at existing noise sensitive land uses. Such techniques shall include, but are not limited to, the use of sound blankets on noise-generating equipment and the construction of temporary sound barriers adjacent to construction sites between affected uses in order to achieve noise levels below 75 dBA L_{eq}.

Implementation: Applicant(s), or its designee, and primary contractor(s) of all Proposed Project phases involving construction.

Timing: Prior to and during Proposed Project-related construction.

Enforcement: The County of San Diego shall be responsible for enforcement.

Impulsive Noise Impacts (Blasting and Rock Crushing)

M-N-8 Prior to approval of the grading permit for any portion of the Proposed Project, the applicant, or its designee, shall direct that the designated contractor shall prepare a blasting and monitoring plan with an estimate of noise and vibration levels of each blast at noise sensitive land uses (NSLU) within 1,000 feet of each blast. Where potential exceedance of the County of San Diego Noise Ordinance or the City of Chula Vista's Noise Control Ordinance is identified, the blast drilling and monitoring plan shall identify mitigation measures shown to

effectively reduce noise and vibration levels (e.g., altering orientation of blast progression, increased delay between charge detonations, presplitting) to be implemented to comply with the noise level limits of the County of San Diego's (County) Noise Ordinance, Sections 36.409 and 36.410, and the Chula Vista Noise Ordinance, Chapter 19.68, the vibration-level limits of 1 inch per second peak particle velocity. Such measures shall be implemented by the Proposed Project applicant, or its designee, prior to the issuance of the grading permit. Additionally, all Proposed Project phases involving blasting shall conform to the following requirements:

- All blasts shall be performed by a blast contractor and blasting personnel licensed to operate in the County.
- Each blast shall be monitored and recorded with an air-blast overpressure monitor and groundborne vibration accelerometer that is located outside the closest residence to the blast and is approved by the County Blasting shall not exceed 0.1 inches per second peak particle velocity at the nearest occupied residence, in accordance with County of San Diego's Noise Guidelines, Section 4.3.

Implementation: Applicant(s), or its designee, and primary contractor(s) of all Proposed Project phases involving blasting.

Timing: Prior to and during Proposed Project-related blasting activities.

Enforcement: The County will be responsible for enforcement.

M-N-9 Prior to approval of the grading permit for any portion of the Proposed Project, the applicant, or its designee, shall take those steps necessary to ensure that on-site rock crusher facilities are located a minimum of 250 feet from the property line of occupied residences or other noise-sensitive uses.

Implementation: Applicant(s), or its designee, and primary contractor(s) of all Proposed Project phases involving rock crushing.

Timing: Prior to and during Proposed Project-related rock crushing activities.

Enforcement: The County of San Diego will be responsible for enforcement.

On-Site Vibration Impacts

M-N-10 Prior to beginning construction of any Proposed Project component within 300 feet of an existing or future occupied residence, the Proposed Project applicant, or its designee, shall require preparation of a vibration monitoring plan for submittal to the County of San Diego (County) noise control officer for review and approval. At a minimum, the vibration monitoring plan shall require data be sent to the County noise control officer or designee on a weekly basis or more frequently as determined by the noise control officer. The data shall include vibration level measurements taken during the previous work period. In the event that the County noise control officer determines there is reasonable probability that future measured vibration levels would exceed allowable limits, the County noise control officer or designee shall take the steps necessary to ensure that future vibration levels do not exceed such limits, including suspending further construction activities that would result in excessive vibration levels until either alternative equipment or alternative construction procedures can be used that generate vibration levels that do not exceed 0.004 inches per second RMS or 0.1 inches per second PPV at the nearest residential structure. Construction activities not associated with vibration generation could continue.

The vibration monitoring plan shall be prepared and administered by a County-approved noise consultant. In addition to the data described previously, the vibration monitoring plan shall also include the location of vibration monitors, the vibration instrumentation used, a data acquisition and retention plan, and exceedance notification and reporting procedures. A description of these plan components is provided in the following text.

Location of Vibration Monitors: The vibration monitoring plan shall include a scaled plan indicating monitoring locations, including the location of measurements to be taken at construction site boundaries and at nearby residential properties.

Vibration Instrumentation: Vibration monitors shall be capable of measuring maximum unweighted RMS and PPV levels triaxially (in three directions) over a frequency range of 1 to 100 Hz. The vibration monitor shall be set to automatically record daily events during working hours and to record peak triaxial PPV values in 5-minute interval histogram plots. The method of coupling the geophones to the ground shall be described and included in the report. The vibration monitors shall be calibrated within 1 year of the measurement, and a certified laboratory conformance report shall be included in the report.

Data Acquisition: The information to be provided in the data reports shall include, at a minimum, daily histogram plots of PPV versus time of day for three triaxial directions, and maximum peak vector sum PPV and maximum frequency for each direction. The reports shall also identify the construction equipment operation during the monitoring period and their locations and distances to all vibration measurement locations.

Exceedance Notification and Reporting Procedures: A description of the notification of exceedance and reporting procedures shall be included, and the follow-up procedures taken to reduce vibration levels to below the allowable limits.

Implementation: The applicant(s), or its designee, and primary contractor(s) of all project phases involving the use of heavy construction equipment within 300 feet of existing or future occupied residence.

Timing: Prior to and during construction activities.

Enforcement: The County will be responsible for enforcement.

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12 SUMMARY OF PROPOSED PROJECT IMPACTS, MITIGATION, AND CONCLUSION

Vehicle Noise Impacts

Existing and future Proctor Valley Road vehicle noise levels at all identified outdoor living areas of the Proposed Project residential units would comply with the County's 60 CNEL exterior noise criterion, provided that the proposed Mitigation Measure M-N-1 (construction of 6-foot-high, solid walls at residential units adjacent to Proctor Valley Road) (see Figure 7 for locations). Thus, vehicle noise impacts to on-site residences would be **less than significant**.

The noise level at the second-floor level of proposed single-family residences directly adjacent to Proctor Valley Road could exceed 60 dB CNEL. Thus, without mitigation, the interior noise level could exceed the County's 45 dB CNEL interior noise criterion. Prior to issuance of building permits, an interior noise study will be required for the residences adjacent to Proctor Valley Road to ensure that the interior CNEL would not exceed 45 dB (mitigation measure M-N-2). The residences would most likely require air-conditioning and/or mechanical ventilation systems to meet the County's interior noise standard. Sound-rated windows may also be required. Thus, impacts would be **less than significant with mitigation incorporated.**

Proposed Project-related traffic noise impacts at existing off-site NSLU would be less than significant, with the exception of one location (R8/M14). At residences located along Proctor Valley Road north of the Proposed Project and west of Melody Road, a significant increase in traffic noise (+12 dB) along this roadway segment would occur compared to existing traffic noise levels, because Proctor Valley Road currently experiences very low traffic volumes. Because there is no feasible mitigation for this exceedance, this impact would be **significant and unavoidable**.

On-Site Operational Noise

Noise from on-site operational activities would be potentially significant impacts. Mitigation measures to reduce potential impacts to a level below significance are provided.

The Proposed Project's operational noise sources would include air-conditioning units at each of the proposed residential units. Noise from HVAC equipment at the Proposed Project would be a potentially significant impact. Mitigation measure M-N-3 is provided to reduce potential impacts to **less than significant**.

No operational components of the Proposed Project include significant groundborne noise or vibration sources, and no significant vibrations sources currently exist, or are planned, in the Project Area. Thus, no significant groundborne noise or vibration impacts would occur with the operation of the Proposed Project.

Construction Noise and Vibration Impact

Construction noise associated with improvements of Proctor Valley Road, as well as on-site construction noise at adjacent, occupied residences, would be potentially significant impacts. Mitigation measures M-N-4 through M-N-7 are provided to reduce potential impacts to **less than significant**.

Noise from blasting activities associated with the excavation and mass-grading phase of the Proposed Project would be potentially significant, and mitigation measure M-N-8 is provided to reduce potential impacts to **less than significant**.

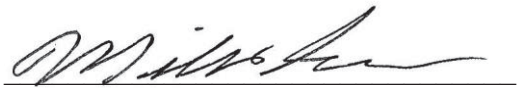
Noise from rock crushing activities associated with the excavation and mass-grading phase of the Proposed Project would be potentially significant, and mitigation measure M-N-9 is provided to reduce potential impacts to less than significant.

Based on the anticipated construction equipment and distance from the equipment to the proposed homes, construction activities would result in vibration anticipated to be below the level of human perception at existing off-site noise/vibration sensitive land uses. Thus, construction vibration would not disturb the off-site residences and the potential vibration impacts to these residential structures are **less than significant**.

Because the development of the Proposed Project would be a multi-year endeavor, portions of the development would be completed and occupied during the construction of subsequent portions (phases). Vibration from construction activities, if they occur within 300 feet of on-site residences, has the potential to result in vibration levels exceeding County standards. This would be potentially significant, and mitigation measure M-N-10 is provided to reduce potential impacts to less than significant.

13 CERTIFICATION

This report has been prepared by Mike Greene, who is on the County of San Diego approved Acoustical Consultant list.



Mike Greene, INCE Bd. Cert.
Acoustician

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SOURCE: Hunsaker 2017

FIGURE 1

Regional Map

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Otay Ranch Village 14 and Planning Areas 16 and 19

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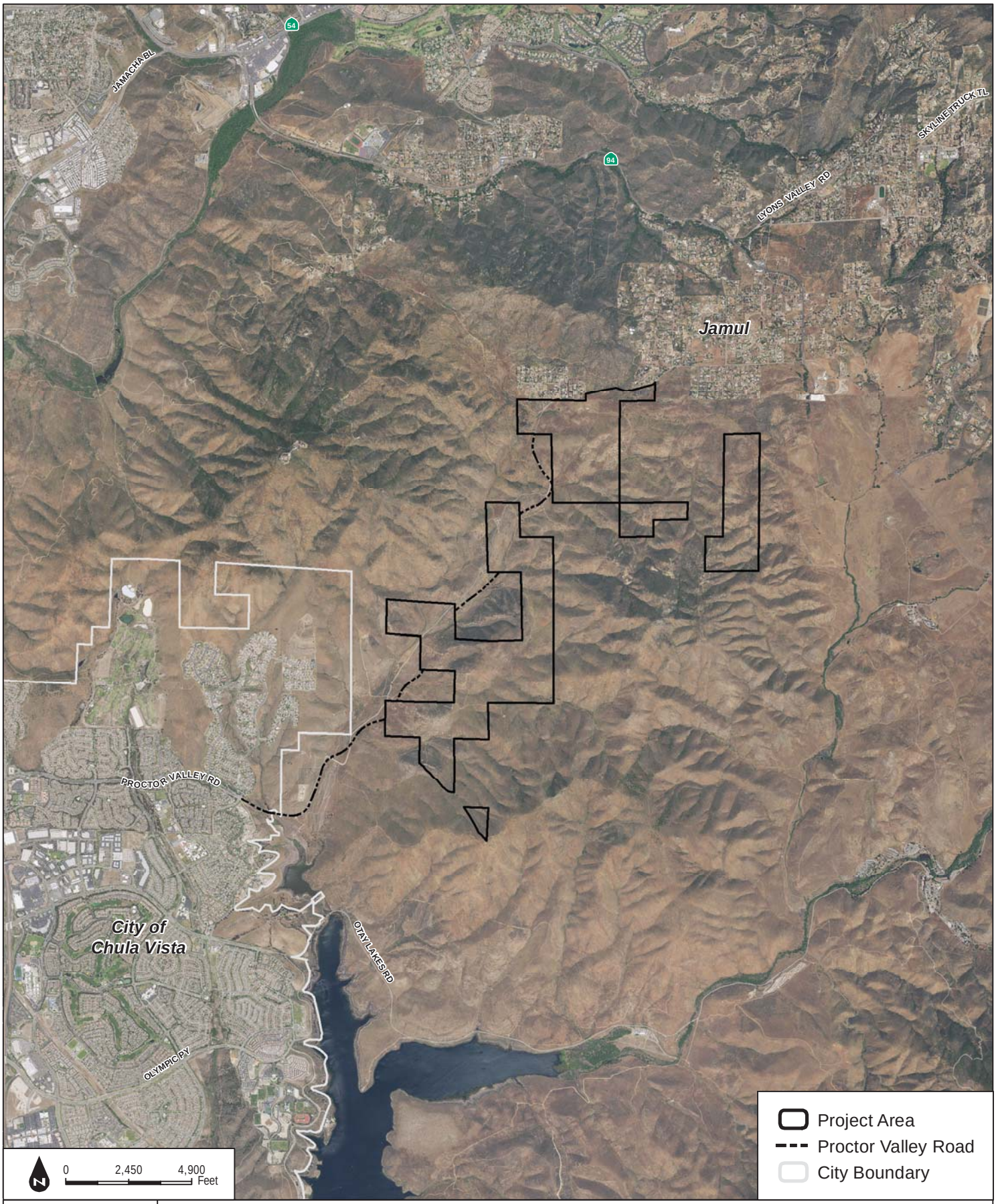

SOURCE: NAIP 2016; Hunsaker 2017; SANGIS 2017

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FIGURE 2

Project Location Map

Otay Ranch Village 14 and Planning Areas 16 and 19

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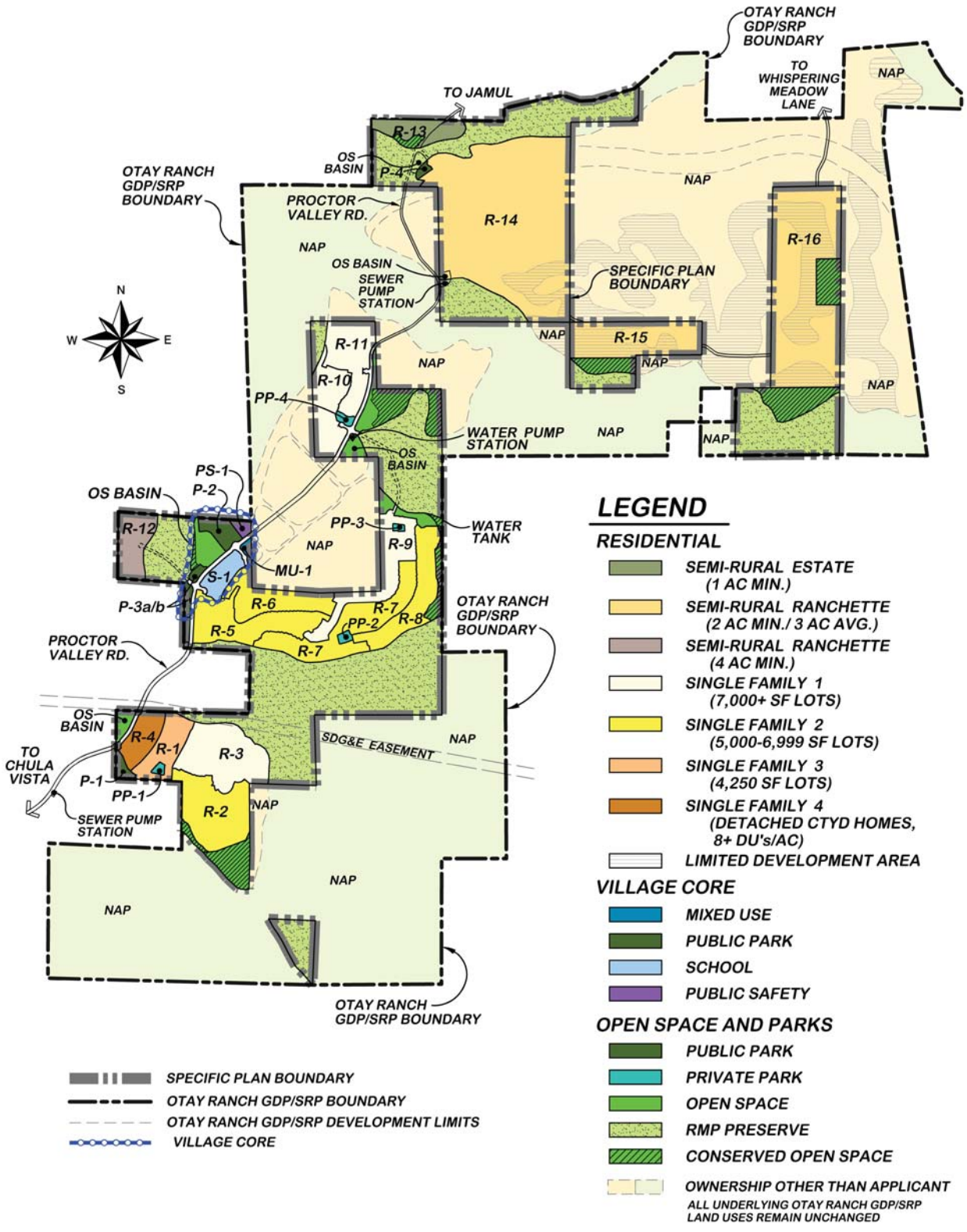

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SOURCE: Hunsaker 2018

FIGURE 3

Proctor Valley Site Utilization Plan

Otay Ranch Village 14 and Planning Areas 16/19

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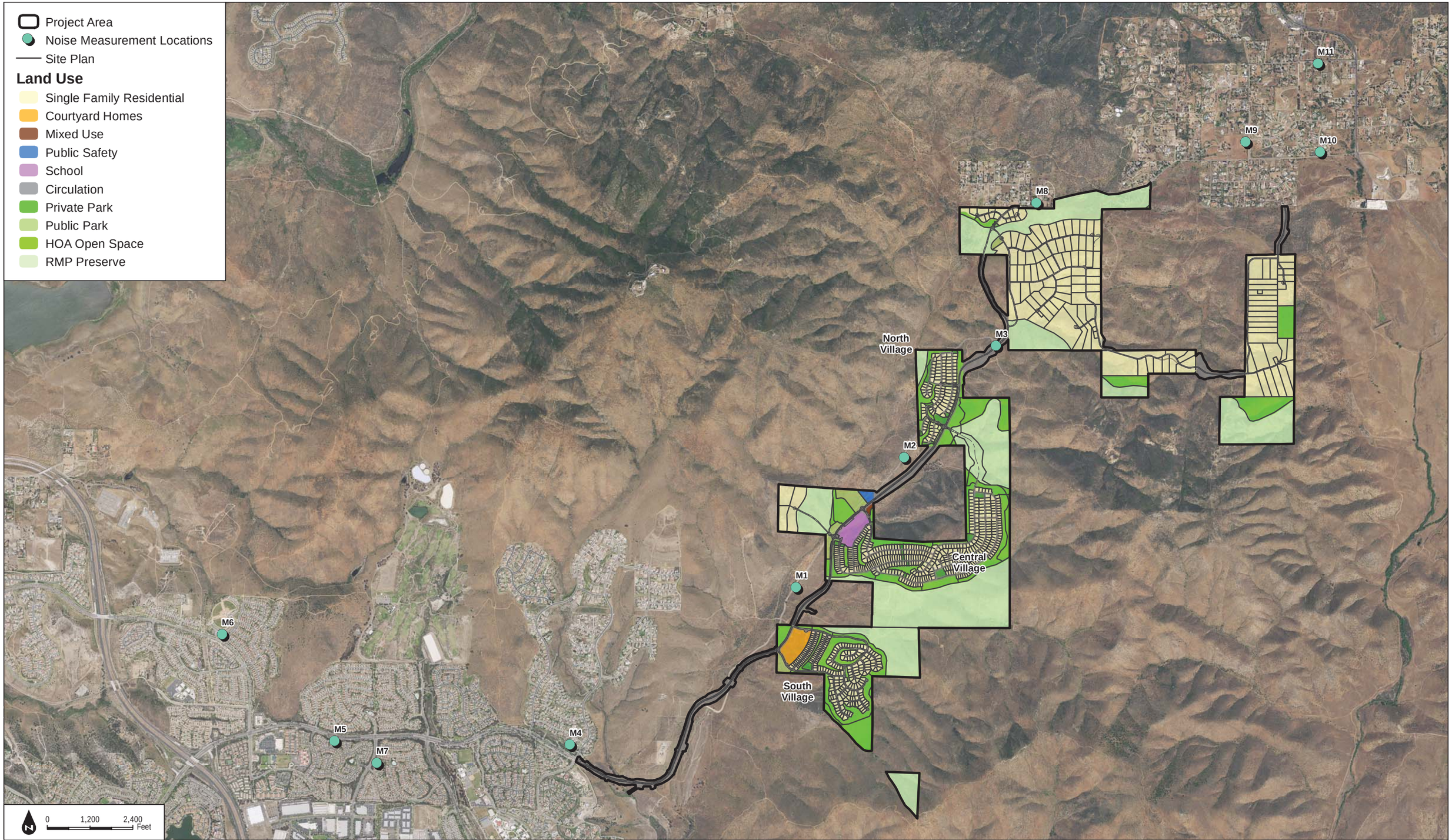

SOURCE: NAIP 2016; Hunsaker 2017

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FIGURE 4
Noise Measurement Locations

Otay Ranch Village 14 and Planning Areas 16/19

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Project Area
Modeled Roadway Segments
Modeled Receiver Locations
Site Plan

Land Use

- Single Family Residential
- Courtyard Homes
- Mixed Use
- Public Safety
- School
- Circulation
- Private Park
- Public Park
- HOA Open Space
- RMP Preserve

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18

MT MIGUEL RD
PROCTOR VALLEY RD
MELODY RD
NORTHCOAST LN
HUNTE PY

North Village
Central Village
South Village

0 2,000 4,000 Feet

SOURCE: NAIP 2016; Hunsaker 2017

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FIGURE 5
Modeled Roadway Segments and Off-site Receiver Locations

Otay Ranch Village 14 and Planning Areas 16/19

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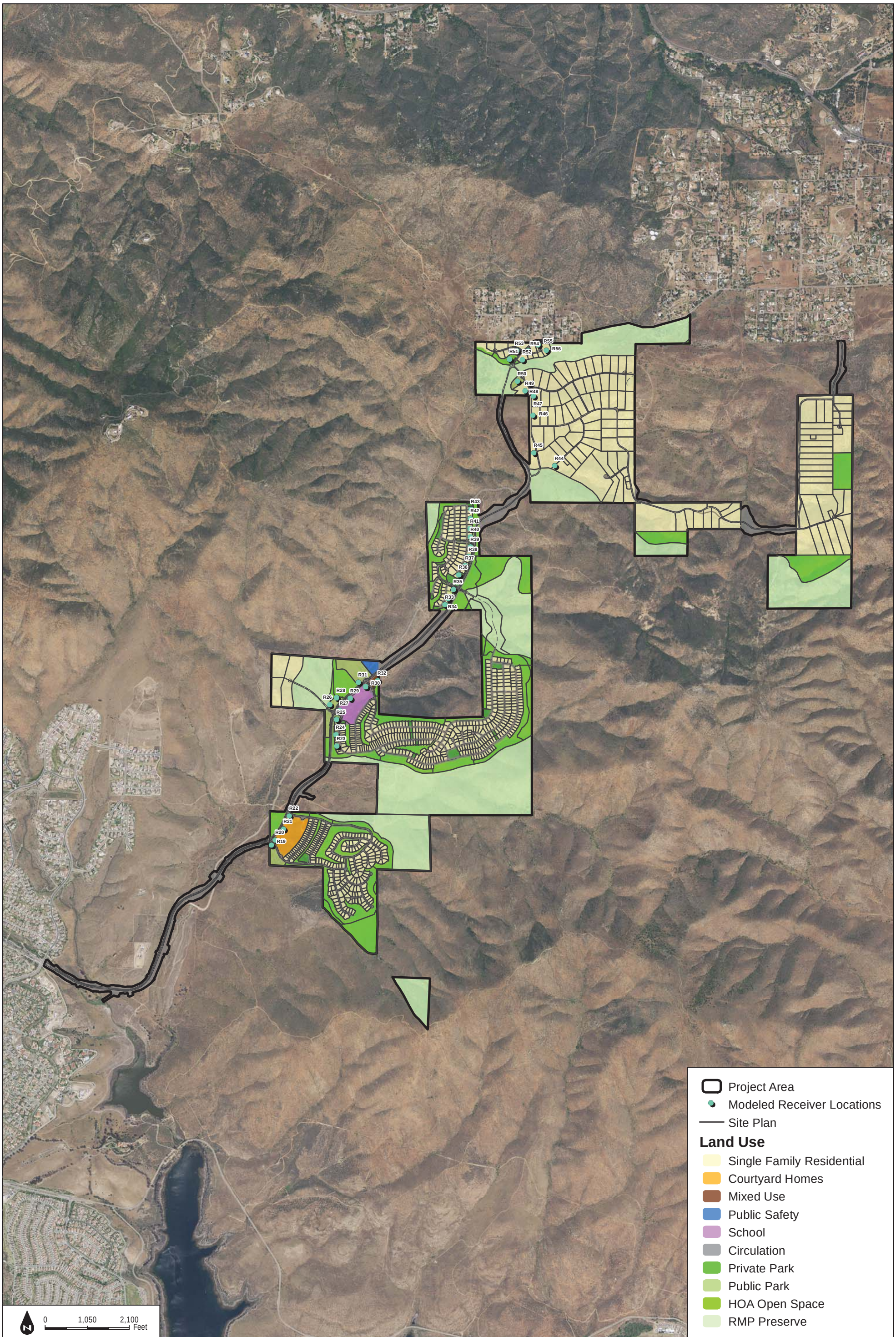

SOURCE: NAIP 2016; Hunsaker 2017

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Figure 6

Modeled On-site Receiver Locations

Otay Ranch Village 14 and Planning Areas 16/19

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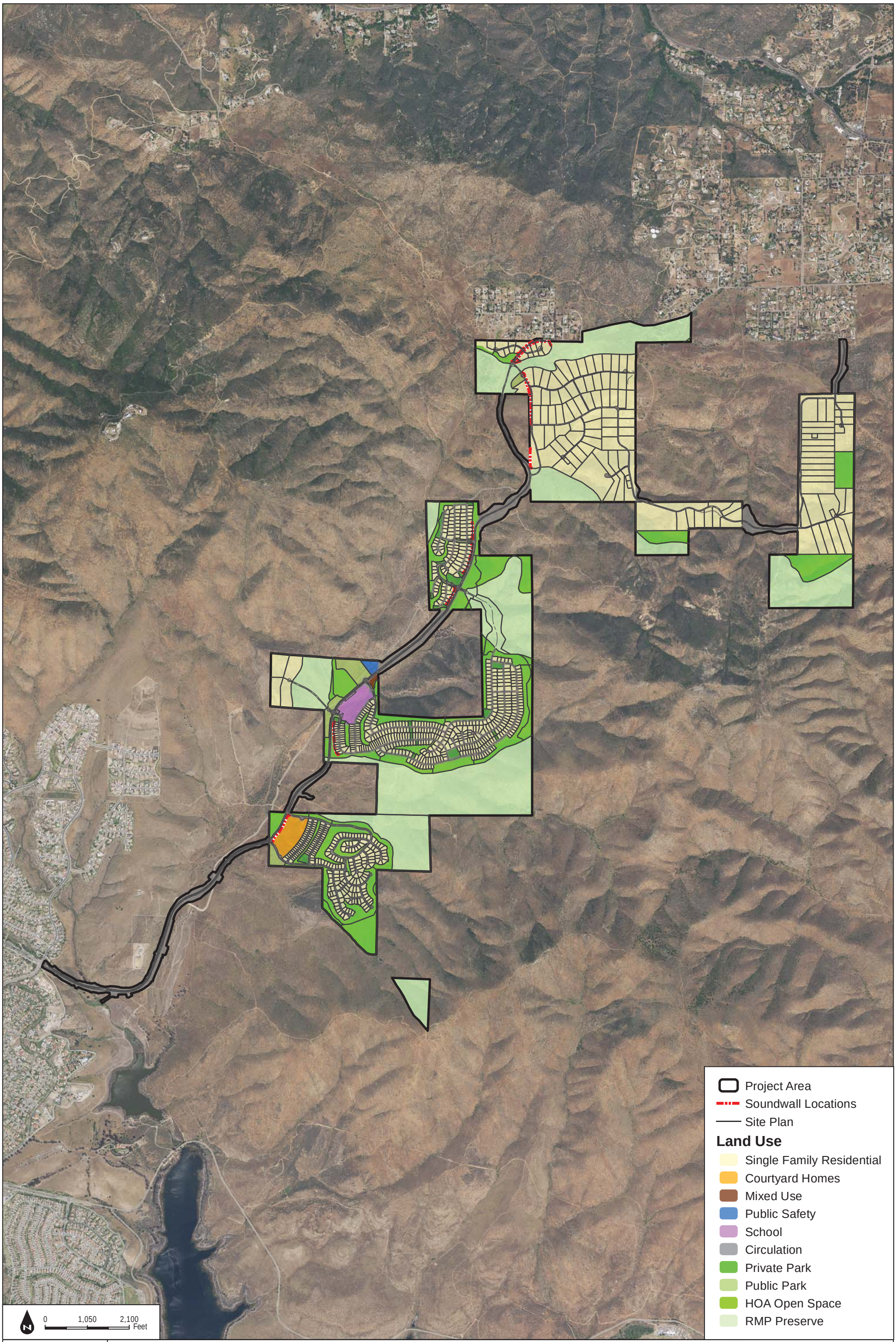

SOURCE: NAIP 2016; Hunsaker 2017

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FIGURE 7

Soundwall Locations

Otay Ranch Village 14 and Planning Areas 16/19

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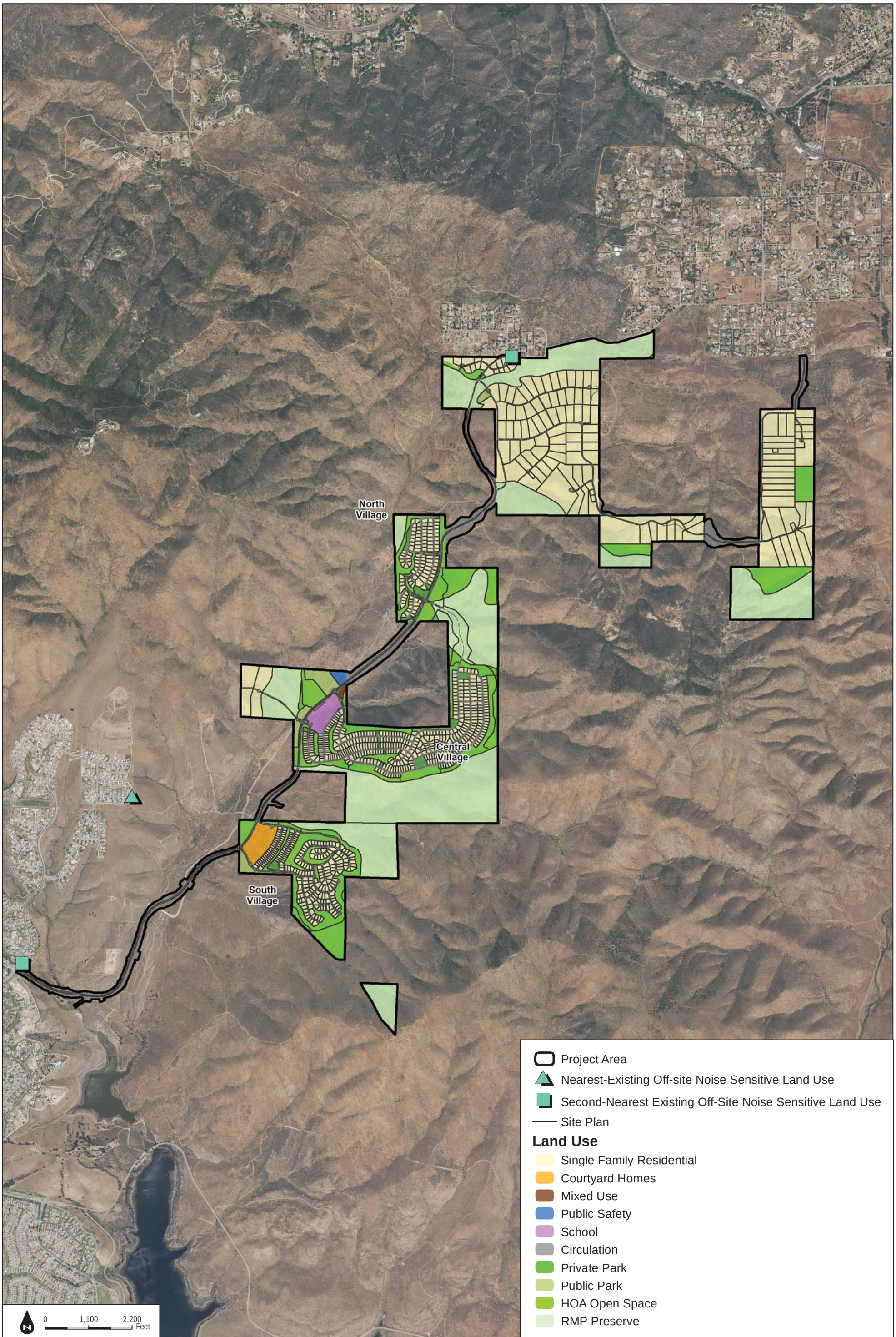

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SOURCE: NAIP 2016; Hunsaker 2017

Figure 8

Nearest Existing Off-Site Noise-Sensitive Land Uses

Otay Ranch Village 14 and Planning Areas 16/19

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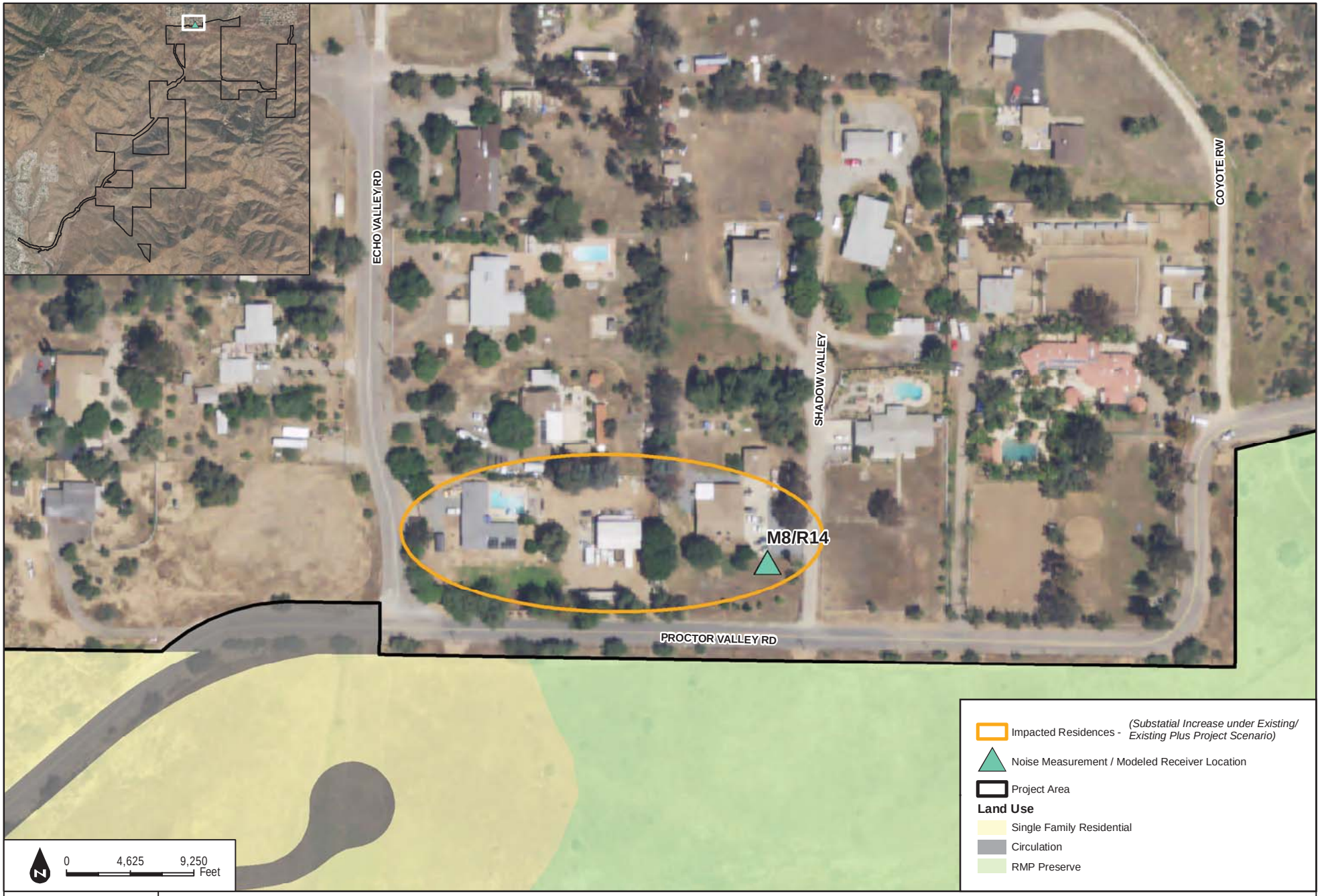

SOURCE: NAIP 2016; Hunsaker 2017

FIGURE 9

Off-Site Noise Impacts - M8/R14

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Otay Ranch Village 14 and Planning Areas 16/19

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APPENDIX A

Field Noise Measurement Notes and Photos

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FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley PROJECT # 8207
SITE ID M1
SITE ADDRESS 32.673330563, -116.921767152 OBSERVER(S) Stephanie Tang
START DATE 5/6/15 END DATE 5/6/15
START TIME 354pm END TIME 414pm

METEOROLOGICAL CONDITIONS
TEMP 73.6 F HUMIDITY 53.8 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 1.7 MPH DIR. N NE S (SE) S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 TYPE 1 2 SERIAL # 01030561
CALIBRATOR Rion NC-74 SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL POST-TEST 94.0 dBA SPL WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	354pm	414pm	49.1	68.0	27.7	33.8	42.5	52.5	

COMMENTS

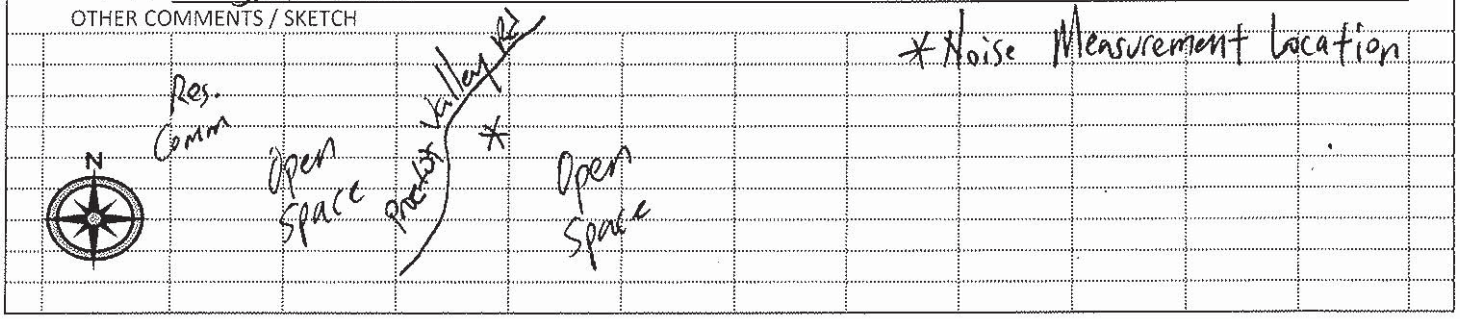
SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd DIST. TO RDWY C/L OR EOP: ~60' from Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN SPEED ___ MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	2	1							
MED TRKS	2	0							
HVY TRKS	0	0							
BUSES	0	0							
MOTRCLS	0	0							

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 20mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER: Dirt Area
PHOTOS See Attached
OTHER COMMENTS / SKETCH



M1 - Approx. Loc. 32.673330653, -116.921767152
Taken: May 6, 2015

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FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley PROJECT # 8207
SITE ID M2
SITE ADDRESS 32.68339176, -116.9119 76849 OBSERVER(S) Stephanie Tang
START DATE 5/6/15 END DATE 5/6/15
START TIME 311pm END TIME 331pm

METEOROLOGICAL CONDITIONS
TEMP 70.2 F HUMIDITY 40.8 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 2.4 MPH DIR. N NE S (SE) S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 TYPE 1 2 SERIAL # 01030561
CALIBRATOR Rion NC-74 SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL POST-TEST 94.0 dBA SPL WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	311pm	331pm	50.7	69.5	24.8	30.7	40.0	55.5	

COMMENTS

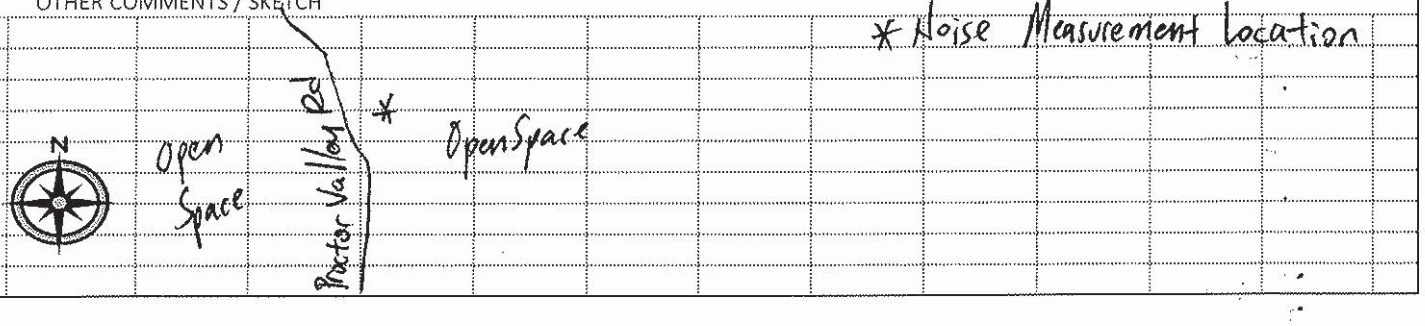
SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd DIST. TO RDWY C/L OR EOP: ~50' from Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN SPEED ___ MIN SPEED

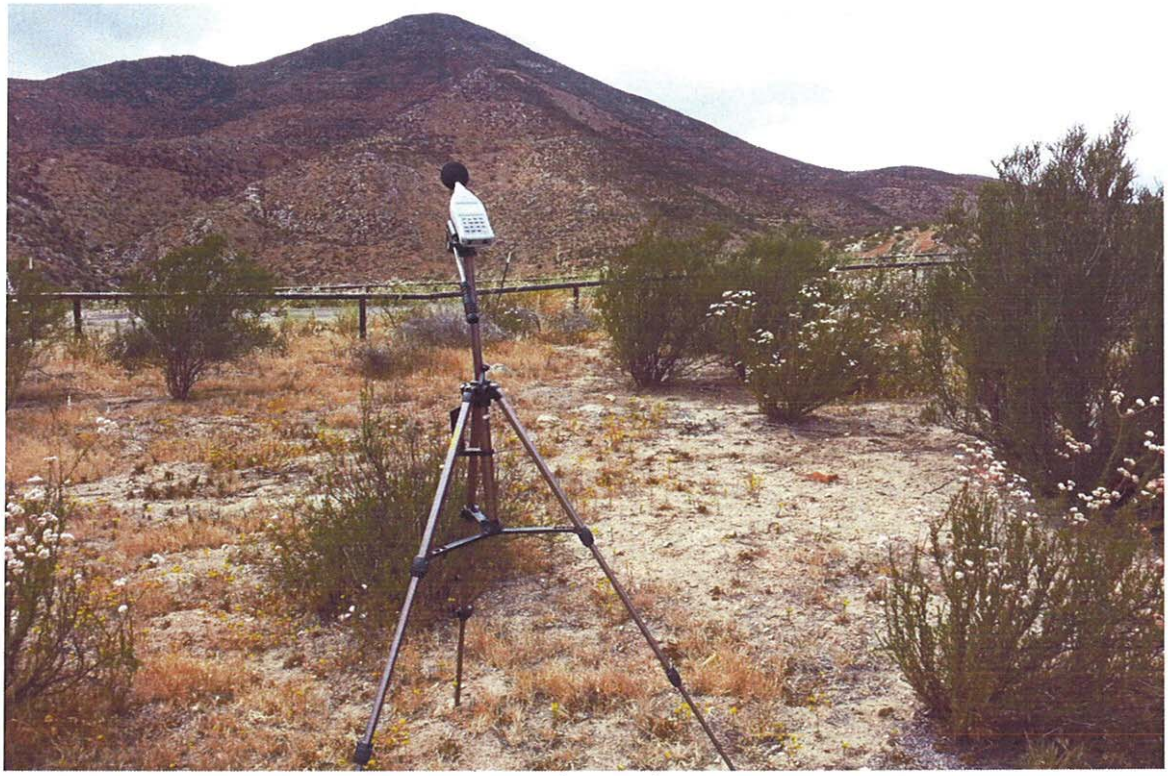
COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	2	0								
MED TRKS	0	0								
HVY TRKS	0	0								
BUSES	0	0								
MOTRCLS	0	0								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 20mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER: Dirt Area
PHOTOS See Attached
OTHER COMMENTS / SKETCH





M2 - Approx. Loc. 32.68339 1426, -116.911976849
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: Proctor Valley | PROJECT #: 8207
SITE ID: M3
SITE ADDRESS: 32.6920543338, -116.9036668713 | OBSERVER(S): Stephanie Tang
START DATE: 5/6/15 | END DATE: 5/6/15
START TIME: 235pm | END TIME: 255pm

METEOROLOGICAL CONDITIONS

TEMP: 81.6 F | HUMIDITY: 52.7 % R.H. | WIND: CALM (LIGHT) MODERATE
WINDSPD: 1.6 MPH | DIR. N NE S (SE) S SW W NW | VARIABLE STEADY GUSTY
SKY: (SUNNY) CLEAR | OVRCAST | (PRTLY CLDY) | FOG | RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: Rion NL-32 | TYPE 1 2 | SERIAL # 01030561
CALIBRATOR: Rion NC-74 | SERIAL # 35125809
CALIBRATION CHECK | PRE-TEST: 94.0 dBA SPL | POST-TEST: 94.0 dBA SPL | WINDSCRN: ✓

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	235pm	255pm	50.7	67.6	23.6	28.2	37.6	54.1	

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: TRAFFIC (AIRCRAFT) RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd | DIST. TO RDWY C/L OR EOP: ~165' from [redacted] Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN

COUNT 1 (OR RDWY 1)

DIRECTION	NB/(EB)	SB/(WB)	NB/EB	SB/WB
AUTOS	1	0		
MED TRKS	1	0		
HVY TRKS	0	0		
BUSES	0	0		
MOTRCLS	0	0		

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE

COUNT 2 (OR RDWY 2)

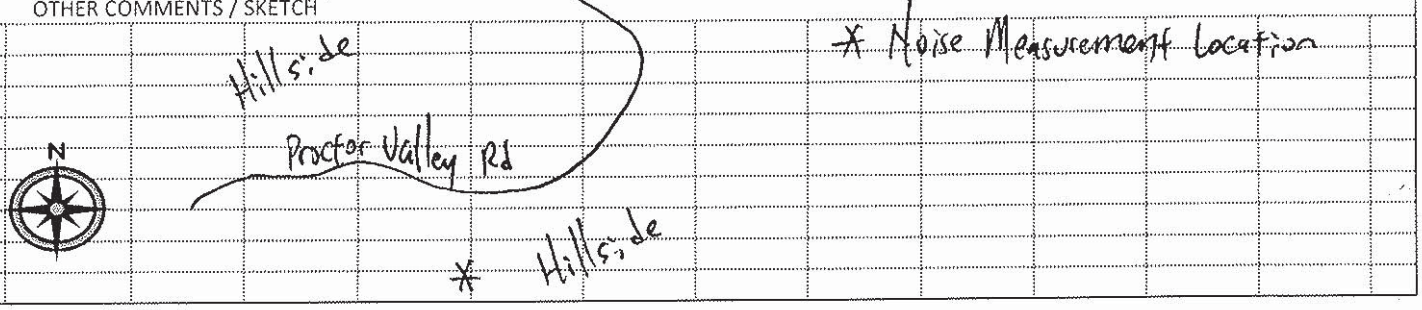
MIN	SPEED	NB/EB	SB/WB	NB/EB	SB/WB

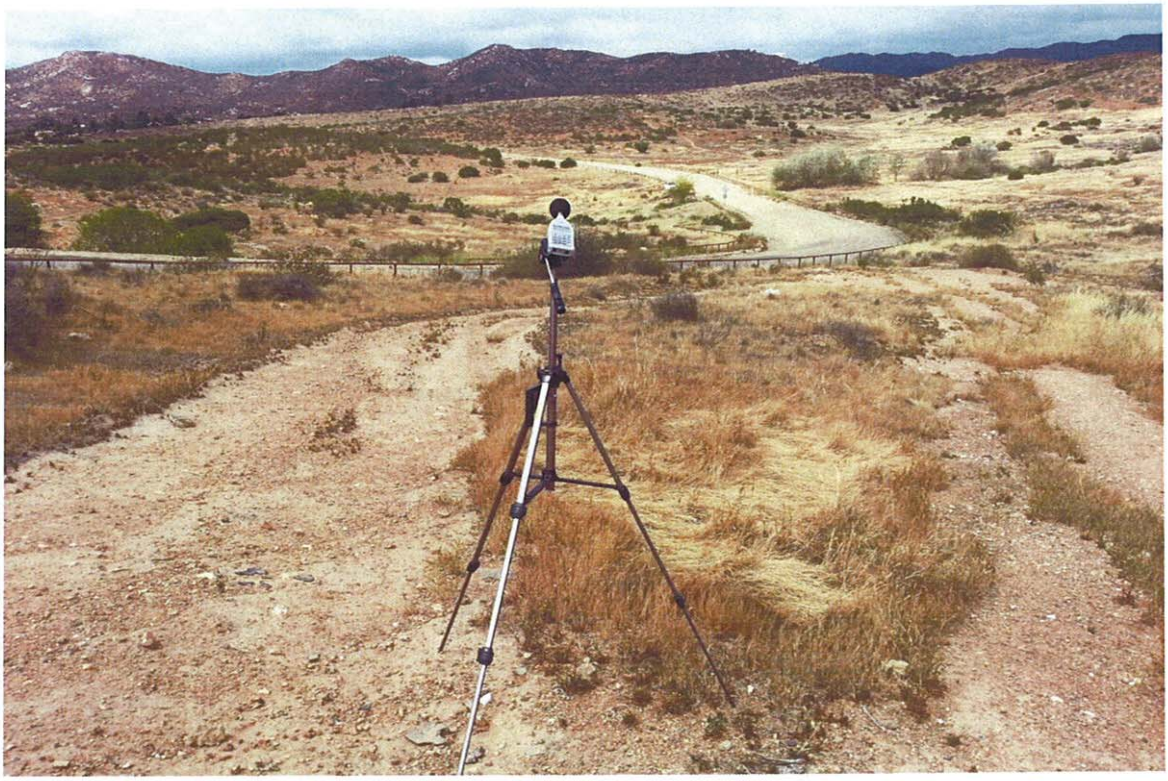
SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 20mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH

TERRAIN: (HARD) SOFT MIXED FLAT OTHER: Dirt area of hillside
PHOTOS: See Attached
OTHER COMMENTS / SKETCH





M3 - Approx. Loc.: 32.6920543338, -116.9036687 13

Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley | PROJECT # 8207
SITE ID M4
SITE ADDRESS 799 Lake House Pl Chula Vista, CA 91914 | OBSERVER(S) Stephanie Tang
START DATE 5/6/15 | END DATE 5/6/15
START TIME 435pm | END TIME 455pm

METEOROLOGICAL CONDITIONS
TEMP 76.6 F | HUMIDITY 46.0 % R.H. | WIND CALM (LIGHT) MODERATE
WINDSPD 2.1 MPH | DIR. N NE S SE S SW W NW | VARIABLE STEADY GUSTY
SKY SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG | RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 | TYPE 1 2 | SERIAL # 01030561
CALIBRATOR Rion NC-74 | SERIAL # 34125809
CALIBRATION CHECK | PRE-TEST 94.0 dBA SPL | POST-TEST 94.0 dBA SPL | WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	435pm	455pm	47.3	62.2	35.2	37.5	41.8	50.9	

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd | DIST. TO RDWY C/L OR EOP: ~275' from Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/(EB)	SB/(WB)	SPEED NB/EB	SPEED SB/WB
AUTOS	33	29		
MED TRKS	0	0		
HVY TRKS	0	0		
BUSES	0	0		
MOTRCLS	0	0		

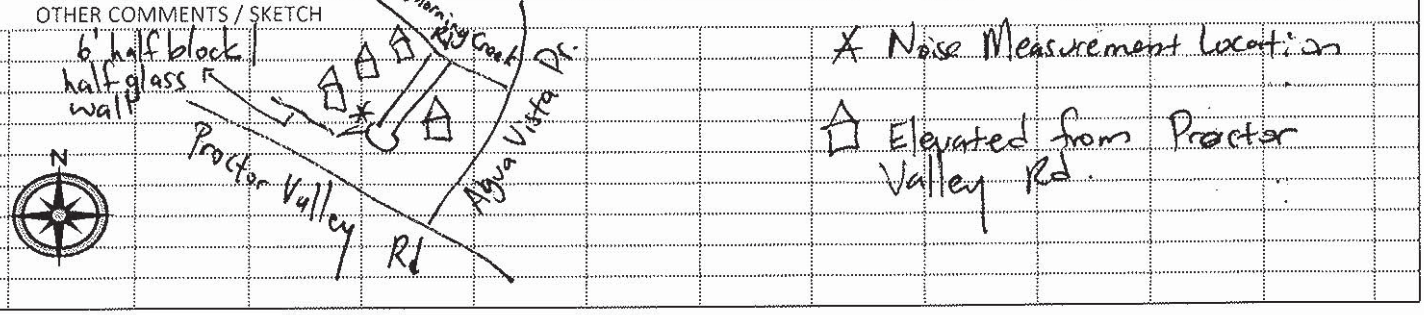
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE

COUNT 2 (OR RDWY 2)	MIN NB/EB	MIN SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: Door Slam

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER: Walkway
PHOTOS See Attached
OTHER COMMENTS / SKETCH



M4 – 790 Lake House Pl Chula Vista, CA 91914
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley | PROJECT # 8207
SITE ID M5
SITE ADDRESS Pedestrian Walkway NE of 606 San Marino Place Chula Vista | OBSERVER(S) Stephanie Tang
START DATE 5/6/15 | END DATE 5/6/15
START TIME 547pm | END TIME 609pm

METEOROLOGICAL CONDITIONS

TEMP 62.2 F | HUMIDITY 60.4 % R.H. | WIND CALM (LIGHT) MODERATE
WINDSPD 1.1 MPH | DIR. N NE S (SE) S SW W NW | VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT Rion NL-32 | TYPE 1 2 | SERIAL # 00305 61
CALIBRATOR Rion NC-74 | SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL | POST-TEST 94.0 dBA SPL | WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	547pm	609PM	66.4	72.7	43.9	54.7	64.6	70.3	

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd | DIST. TO RDWY C/L OR EOP: ~138' to Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN | SPEED MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	301	202		
MED TRKS	11	0		
HVY TRKS	0	0		
BUSES	1	1		
MOTRCLS	1	0		

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ____

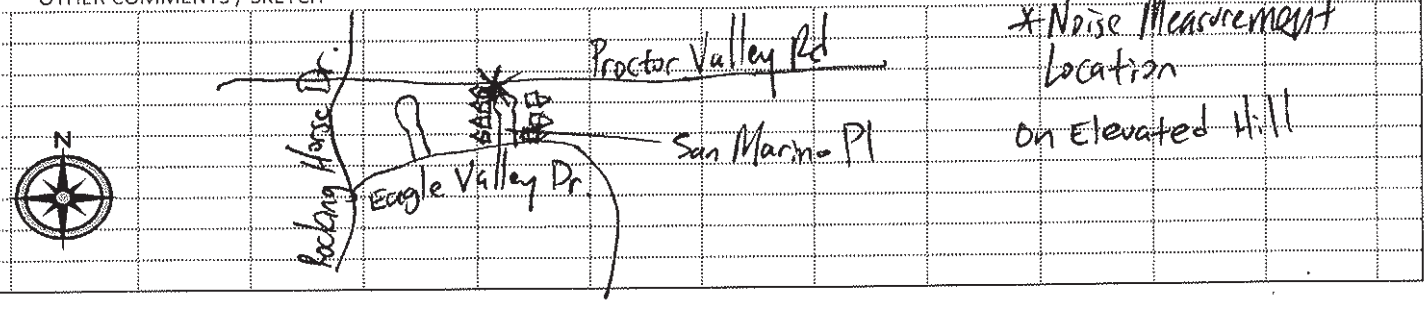
COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) (DIST. BARKING DOGS) BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: Wind Chime

DESCRIPTION / SKETCH

TERRAIN (HARD) SOFT MIXED FLAT OTHER: Pedestrian Walkway
PHOTOS See Attached
OTHER COMMENTS / SKETCH



M5 - Pedestrian Walkway NE of 606 San Marino Place Chula Vista, CA 91914
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley PROJECT # 8207
SITE ID M6
SITE ADDRESS 2335 Paseo Veracruz Chula Vista, CA 91914 OBSERVER(S) Stephanie Tang
START DATE 6/5/15 END DATE 6/5/15
START TIME 624pm END TIME 644pm

METEOROLOGICAL CONDITIONS
TEMP 62.5 F HUMIDITY 63.7 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 2.8 MPH DIR. N (NE) S SE S SW W NW VARIABLE ~~STEADY~~ GUSTY
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 TYPE 1 2 SERIAL # 01030561
CALIBRATOR Rion NC-74 SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL POST-TEST 94.0 dBA SPL WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	624pm	644pm	55.1	61.9	46.5	49.9	54.0	57.9	

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Mountain Miguel Rd DIST. TO RDWY C/L OR EOP: ~183' to Mountain Miguel Rd
TRAFFIC COUNT DURATION: 20 MIN ___ MIN

COUNT 1 (OR RDWY 1)

DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	134	99		
MED TRKS	1	0		
HVY TRKS	0	2		
BUSES	0	0		
MOTRCLS	0	0		

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ___

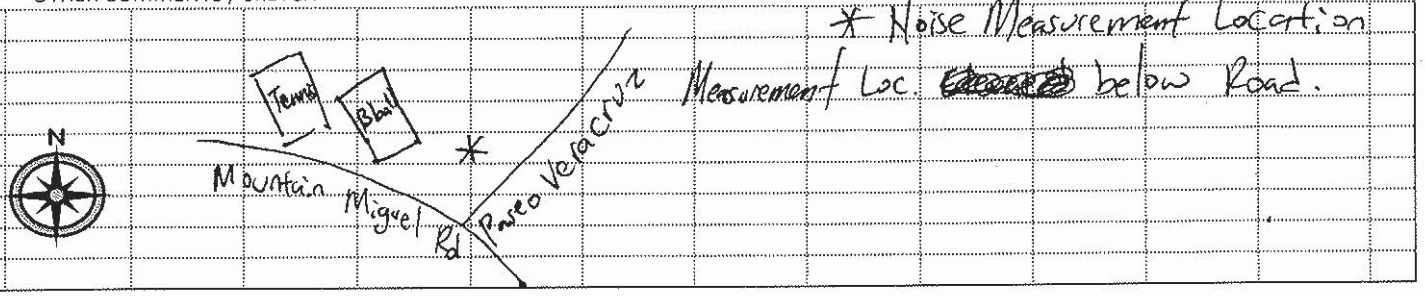
COUNT 2 (OR RDWY 2)

NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) RUSTLING LEAVES DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
(DIST. KIDS PLAYING) DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: Cars coming in and out of park; Car honks

DESCRIPTION / SKETCH
TERRAIN HARD SOFT MIXED (FLAT) OTHER: Grass Area of Park
PHOTOS See Attached
OTHER COMMENTS / SKETCH



Mb - 2335 Paseo Veracruz Chula Vista, CA 91914
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley PROJECT # 8207
SITE ID M7
SITE ADDRESS 704 Pueblo Place Chula Vista, CA 91914 OBSERVER(S) Stephanie Tang
START DATE 5/6/15 END DATE 5/6/15
START TIME 513pm END TIME 533pm

METEOROLOGICAL CONDITIONS
TEMP 68.7 F HUMIDITY 68.8 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 0.9 MPH DIR. N NE S SE (S) SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR OVRCAST (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 TYPE 1 2 SERIAL # 01030561
CALIBRATOR Rion NC-74 SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL POST-TEST 93.9 dBA SPL WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	513pm	533pm	53.4	60.6	41.1	48.9	52.9	55.7	

COMMENTS

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Lane Ave DIST. TO RDWY C/L OR EOP: ~133' to Lane Ave
TRAFFIC COUNT DURATION: 20 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	170	112		
MED TRKS	0	11		
HVY TRKS	0	0		
BUSES	0	1		
MOTRCLS	0	0		

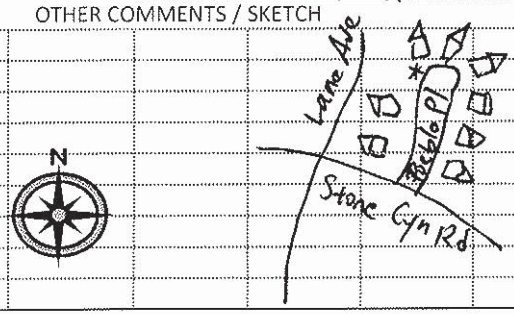
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ___

COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 40mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) (DIST. BARKING DOGS) (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: Car leaving house on Pueblo Place cul de sac; Construction work inside house where noise measurement location was taking place

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER: Driveway
PHOTOS See Attached
OTHER COMMENTS / SKETCH



* Noise Measurement Location
6' Block Wall @ Residence of Noisemeasurement Location
Res. Elevated from Lane Ave

M7 - 704 Pueblo Pl Chula Vista, CA 91914
Taken : May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: Proctor Valley | PROJECT #: 8207
SITE ID: M8
SITE ADDRESS: 2852 Shadow Valley Jamul CA 91935 | OBSERVER(S): Stephanie Tang
START DATE: 5/6/15 | END DATE: 5/6/15
START TIME: 158pm | END TIME: 218pm

METEOROLOGICAL CONDITIONS
TEMP: 75.0 F | HUMIDITY: 45.8 % R.H. | WIND: CALM (LIGHT) MODERATE
WINDSPD: 2.1 MPH | DIR: N NE S SE (S) SW W NW | VARIABLE STEADY GUSTY
SKY: (SUNNY) CLEAR (OVRCAST) (PRTLY CLDY) FOG | RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: Rion - NL-32 | TYPE 1 2 | SERIAL # 01030561
CALIBRATOR: Rion NC-74 | SERIAL # 35125809
CALIBRATION CHECK | PRE-TEST: 94.0 dBA SPL | POST-TEST: 94.0 dBA SPL | WINDSCRN: ✓

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	158pm	218pm	53.8	72.1	33.0	39.5	45.8	55.0	

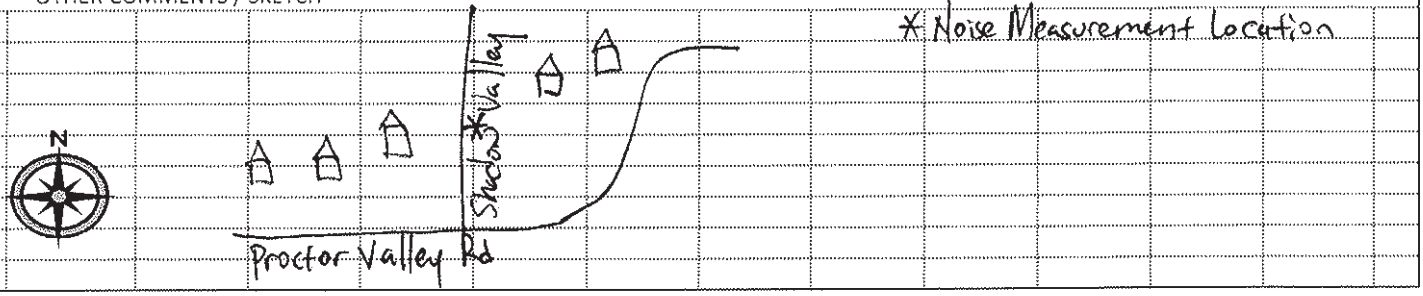
COMMENTS

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd | DIST. TO RDWY C/L OR EOP: ~120' to Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN | SPEED | MIN | SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/(EB)	SB/(WB)	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	0	5								
MED TRKS	0	0								
HVY TRKS	0	0								
BUSES	0	0								
MOTRCLS	0	0								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: ~~25mph~~ 15mph
OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) (DIST. BARKING DOGS) (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN: (HARD) SOFT MIXED FLAT OTHER: Front of Driveway Gate; Dirt Access Road
PHOTOS: See Attached
OTHER COMMENTS / SKETCH



M8 - 2852 Shadow Valley Jamul, CA 91935
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT Proctor Valley PROJECT # 8207
SITE ID M9
SITE ADDRESS 13828 Proctor Valley Rd Jamul, CA 91935 OBSERVER(S) Stephanie Tang
START DATE 5/6/15 END DATE 5/6/15
START TIME 127pm END TIME 147pm

METEOROLOGICAL CONDITIONS
TEMP 72.1 F HUMIDITY 47.3 % R.H. WIND CALM (LIGHT) MODERATE
WINDSPD 3.5 MPH DIR. N NE S (SE) S SW W NW VARIABLE STEADY GUSTY
SKY SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT Rion NL-32 TYPE 1 2 SERIAL # 01030561
CALIBRATOR Rion NC-74 SERIAL # 35125809
CALIBRATION CHECK PRE-TEST 94.0 dBA SPL POST-TEST 93.9 dBA SPL WINDSCRN ✓

SETTINGS (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	127pm	147pm	50.8	63.1	38.4	42.8	47.2	54.9	

COMMENTS

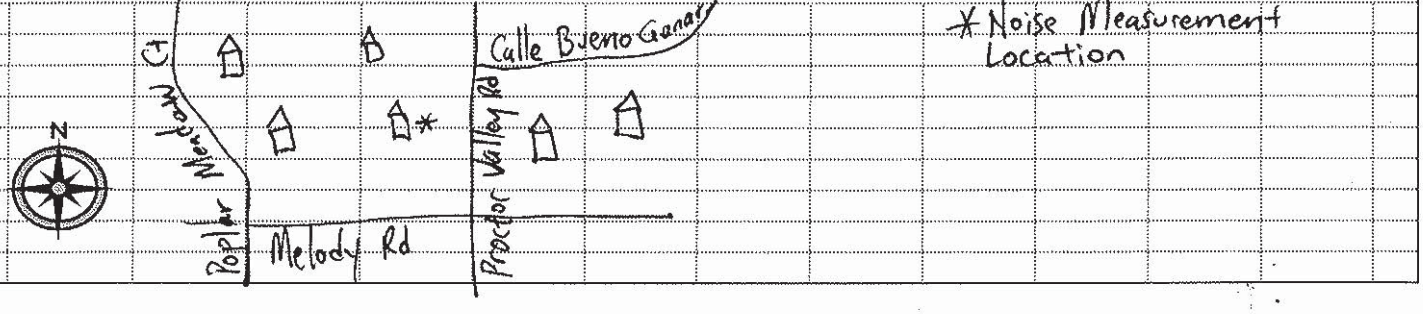
SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Proctor Valley Rd DIST. TO RDWY C/L OR EOP: ~82' to Proctor Valley Rd
TRAFFIC COUNT DURATION: 20 MIN SPEED ___ MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	14	13								
MED TRKS	0	1								
HVY TRKS	0	0								
BUSES	0	0								
MOTRCLS	0	0								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY: 45mph

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS / YELLING) (DIST. TRAFFIC (DIST RDWYS BELOW)) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: Vehicles turning onto or off of Calle Buen Granar; Dist. traffic noise off Melody Rd

DESCRIPTION / SKETCH
TERRAIN (HARD) SOFT MIXED FLAT OTHER: Asphalt Driveway
PHOTOS See Attached
OTHER COMMENTS / SKETCH



M9 - 13828 Proctor Valley Rd Jamul, CA 91935
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: Proctor Valley | PROJECT #: 8207
SITE ID: M10
SITE ADDRESS: 3007 Calle Mesquite Jamul, CA 91935 | OBSERVER(S): Stephanie Tang
START DATE: 5/6/15 | END DATE: 5/6/15
START TIME: 1258pm | END TIME: 118pm

METEOROLOGICAL CONDITIONS

TEMP: 68.6 F | HUMIDITY: 46.3 % R.H. | WIND: CALM (LIGHT) MODERATE
WINDSPD: 1.2 MPH | DIR: N NE S (SE) S SW W NW | VARIABLE STEADY GUSTY
SKY: SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG | RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: Rion NL-32 | TYPE 1 2 | SERIAL #: 01030561
CALIBRATOR: Rion NC-74 | SERIAL #: 35258 09
CALIBRATION CHECK | PRE-TEST: 94.0 dBA SPL | POST-TEST: 94.0 dBA SPL | WINDSCRN: ✓

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	1258pm	118pm	48.7	64.1	37.5	40.7	43.6	51.8	

COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Melody Rd | DIST. TO RDWY C/L OR EOP: ~93' to Melody Rd
TRAFFIC COUNT DURATION: 20 MIN | SPEED: ___ MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	3	4		
MED TRKS	0	0		
HVY TRKS	0	0		
BUSES	0	0		
MOTRCLS	0	0		

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE

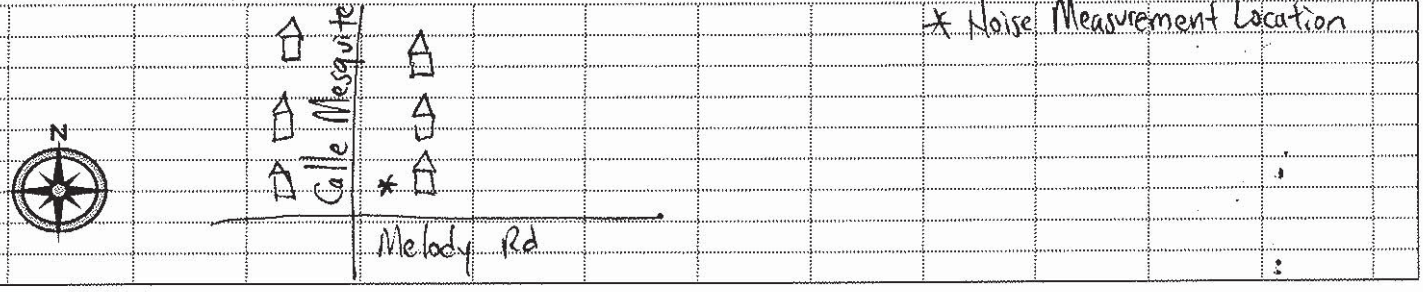
COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB

SPEEDS ESTIMATED BY: RADAR / (DRIVING THE PACE) 30mph-35mph
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING (DIST. CONVRSTNS / YELLING) DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: 1 car driving onto Calle Mesquite; 2 cars driving out of Calle Mesquite; Rooster Noises

DESCRIPTION / SKETCH

TERRAIN: (HARD) SOFT MIXED FLAT OTHER: Driveway
PHOTOS: See Attached
OTHER COMMENTS / SKETCH



M10 - 3007 Calle Mesquite Jamul, CA 91935
Taken: May 6, 2015

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: Proctor Valley | PROJECT #: 8207
SITE ID: M11
SITE ADDRESS: 13939 Maxfield Rd Jamul, CA 91935 | OBSERVER(S): Stephanie Tang
START DATE: 5/6/15 | END DATE: 5/6/15
START TIME: 12:15pm | END TIME: 12:35pm

METEOROLOGICAL CONDITIONS

TEMP: 69.2 F | HUMIDITY: 60.6 % R.H. | WIND: CALM (LIGHT) MODERATE
WINDSPD: 0.8 MPH | DIR. N NE S (SE) S SW W NW | VARIABLE STEADY GUSTY
SKY: SUNNY CLEAR (OVRCAST) (PRTLY CLDY) FOG | RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: Rion NL-32 | TYPE 1 2 | SERIAL #: 01030561
CALIBRATOR: Rion NC-74 | SERIAL #: 35125809
CALIBRATION CHECK | PRE-TEST: 94.0 dBA SPL | POST-TEST: 94.0 dBA SPL | WINDSCRN: ✓

SETTINGS: (A-WTD) (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
	1215pm	1235pm	46.9	66.2	36.3	41.6	44.9	48.9	

COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: Maxfield Rd | DIST. TO RDWY C/L OR EOP: ~75' to Maxfield Rd
TRAFFIC COUNT DURATION: 20 MIN | ____ MIN

COUNT 1 (OR RDWY 1)	DIRECTION	NB/(EB)	SB/(WB)	SPEED NB/EB	SPEED SB/WB
	AUTOS	3	1		
	MED TRKS	0	0		
	HVY TRKS	0	0		
	BUSES	0	0		
	MOTRCLS	0	0		

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ____

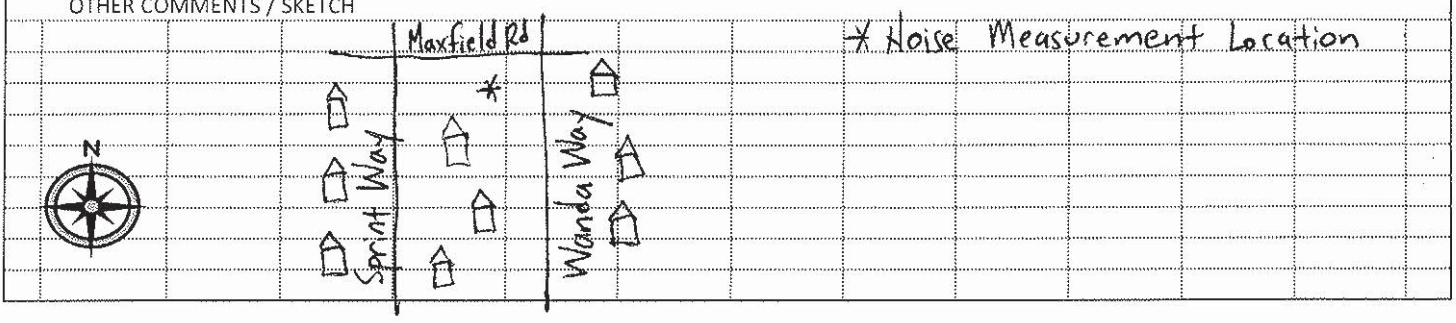
COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / (DRIVING THE PACE) 30mph - 35mph
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): (DIST. AIRCRAFT) (RUSTLING LEAVES) DIST. BARKING DOGS (BIRDS) DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING (DIST. TRAFFIC) LIST RDWYS BELOW) (DISTD GARDENERS/LANDSCAPING NOISE)
OTHER:

DESCRIPTION / SKETCH

TERRAIN: (HARD) SOFT (MIXED) FLAT OTHER: Dirt / Dead Weeds
PHOTOS: See Attached
OTHER COMMENTS / SKETCH



M11- 13939 Maxfield Rd Jamul, CA 91935
Taken: May 6, 2015

APPENDIX B

TNM Sound Modeling Input/Output Data

Dudek					**12 September 2017**						
M Greene					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**8207**						**a State highway agency substantiates the use**				
RUN:	**Otay Ranch Vilg14 PrctrVlly Ex Rev 0817**						**of a different type with the approval of FHWA**				
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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Road	25.0	point378	378	6,368,149.0	1,836,340.0	960.00				Average	
		point376	376	6,366,145.0	1,836,340.0	968.00				Average	
		point374	374	6,362,537.5	1,836,340.0	910.00				Average	
		point372	372	6,362,460.5	1,836,102.2	904.00				Average	

		point292	292	6,361,350.0	1,836,103.2	904.16				Average	
		point293	293	6,361,273.0	1,836,104.5	901.83				Average	
		point294	294	6,361,196.5	1,836,105.6	901.32				Average	
		point295	295	6,361,145.0	1,836,103.8	902.45				Average	
		point296	296	6,361,094.0	1,836,096.6	900.54				Average	
		point297	297	6,361,044.0	1,836,084.2	903.40				Average	
		point298	298	6,360,995.5	1,836,066.8	902.65				Average	
		point299	299	6,360,949.0	1,836,044.4	904.53				Average	
		point300	300	6,360,905.0	1,836,017.4	906.33				Average	
		point301	301	6,360,864.5	1,835,986.0	905.54				Average	
		point302	302	6,360,794.0	1,835,925.9	901.18				Average	
		point303	303	6,360,723.5	1,835,865.8	896.36				Average	
		point304	304	6,360,693.5	1,835,838.2	894.62				Average	
		point305	305	6,360,666.5	1,835,808.5	892.66				Average	
		point306	306	6,360,641.5	1,835,776.6	890.79				Average	
		point307	307	6,360,575.5	1,835,684.6	887.73				Average	
		point308	308	6,360,509.5	1,835,592.8	886.26				Average	
		point309	309	6,360,443.5	1,835,500.8	886.58				Average	
		point310	310	6,360,419.5	1,835,463.9	886.29				Average	
		point311	311	6,360,399.0	1,835,425.1	887.74				Average	
		point312	312	6,360,382.0	1,835,384.6	889.85				Average	
		point313	313	6,360,368.0	1,835,342.8	888.29				Average	
		point314	314	6,360,347.0	1,835,265.8	887.89				Average	
		point315	315	6,360,325.5	1,835,188.9	886.00				Average	
		point317	317	6,360,304.5	1,835,111.9	884.03				Average	
		point318	318	6,360,301.0	1,835,099.6	884.00				Average	
		point319	319	6,360,297.0	1,835,087.4	883.96				Average	
		point320	320	6,360,267.0	1,834,997.5	882.45				Average	
		point321	321	6,360,237.0	1,834,907.6	882.48				Average	
		point322	322	6,360,226.5	1,834,870.4	882.70				Average	
		point323	323	6,360,218.5	1,834,832.5	883.89				Average	
		point324	324	6,360,201.5	1,834,732.5	887.03				Average	
		point326	326	6,360,185.0	1,834,632.6	892.51				Average	
		point327	327	6,360,183.0	1,834,621.6	893.25				Average	
		point328	328	6,360,166.5	1,834,535.8	897.83				Average	
		point329	329	6,360,150.5	1,834,450.0	902.13				Average	
		point330	330	6,360,134.0	1,834,364.2	906.00				Average	
		point331	331	6,360,127.0	1,834,312.8	908.01				Average	
		point332	332	6,360,125.0	1,834,261.0	910.03				Average	

		point333	333	6,360,129.0	1,834,209.2	914.00				Average	
		point334	334	6,360,138.0	1,834,158.1	916.48				Average	
		point335	335	6,360,152.0	1,834,108.2	917.24				Average	
		point336	336	6,360,171.5	1,834,060.1	916.66				Average	
		point337	337	6,360,215.0	1,833,966.9	912.69				Average	
		point338	338	6,360,258.0	1,833,873.6	909.87				Average	
		point339	339	6,360,301.5	1,833,780.5	908.02				Average	
		point340	340	6,360,344.5	1,833,687.2	907.96				Average	
		point341	341	6,360,388.0	1,833,594.0	908.59				Average	
		point342	342	6,360,431.0	1,833,500.8	907.49				Average	
		point343	343	6,360,474.5	1,833,407.5	908.72				Average	
		point344	344	6,360,500.0	1,833,359.6	909.49				Average	
		point345	345	6,360,530.5	1,833,314.8	910.39				Average	
		point346	346	6,360,565.5	1,833,273.4	910.49				Average	
		point347	347	6,360,621.5	1,833,214.9	908.81				Average	
		point348	348	6,360,677.0	1,833,156.2	904.15				Average	
		point349	349	6,360,710.0	1,833,117.9	900.88				Average	
		point350	350	6,360,739.0	1,833,076.4	897.23				Average	
		point351	351	6,360,763.5	1,833,032.1	893.40				Average	
		point352	352	6,360,783.5	1,832,985.6	890.12				Average	
		point353	353	6,360,798.5	1,832,937.2	887.10				Average	
		point354	354	6,360,809.0	1,832,887.8	884.98				Average	
		point355	355	6,360,814.0	1,832,837.4	883.86				Average	
		point356	356	6,360,814.0	1,832,786.8	882.04				Average	
		point357	357	6,360,809.0	1,832,736.4	883.38				Average	
		point358	358	6,360,799.0	1,832,686.8	880.46				Average	
		point359	359	6,360,784.0	1,832,638.5	881.39				Average	
		point360	360	6,360,752.5	1,832,554.1	882.15				Average	
		point361	361	6,360,721.5	1,832,469.6	885.57				Average	
		point362	362	6,360,704.0	1,832,428.6	888.05				Average	
		point363	363	6,360,683.5	1,832,389.2	890.78				Average	
		point364	364	6,360,659.0	1,832,351.9	895.41				Average	
		point365	365	6,360,631.5	1,832,316.9	900.53				Average	
		point5	5	6,360,604.5	1,832,285.2	906.91				Average	
		point7	7	6,360,574.0	1,832,311.5	906.55				Average	
		point10	10	6,360,533.5	1,832,342.6	906.42				Average	
		point11	11	6,360,519.5	1,832,352.1	906.38				Average	
		point12	12	6,360,259.5	1,832,520.5	916.68				Average	
		point13	13	6,360,222.0	1,832,541.2	918.34				Average	

		point14	14	6,360,181.5	1,832,556.4	918.23				Average	
		point15	15	6,360,139.5	1,832,565.6	916.38				Average	
		point16	16	6,360,096.5	1,832,568.6	911.71				Average	
		point17	17	6,360,000.5	1,832,568.6	910.33				Average	
		point18	18	6,359,904.5	1,832,568.6	913.03				Average	
		point19	19	6,359,856.0	1,832,565.8	912.00				Average	
		point20	20	6,359,807.5	1,832,556.8	911.80				Average	
		point21	21	6,359,761.0	1,832,542.1	915.13				Average	
		point22	22	6,359,716.5	1,832,521.9	919.12				Average	
		point23	23	6,359,675.0	1,832,496.2	921.85				Average	
		point24	24	6,359,637.0	1,832,465.9	923.60				Average	
		point25	25	6,359,602.5	1,832,431.0	922.25				Average	
		point26	26	6,359,573.0	1,832,392.2	917.36				Average	
		point27	27	6,359,548.0	1,832,350.1	910.39				Average	
		point28	28	6,359,528.5	1,832,305.2	902.85				Average	
		point29	29	6,359,514.5	1,832,258.5	903.72				Average	
		point30	30	6,359,506.5	1,832,210.2	905.96				Average	
		point31	31	6,359,504.5	1,832,161.5	907.46				Average	
		point32	32	6,359,506.5	1,832,060.1	902.84				Average	
		point33	33	6,359,508.5	1,831,958.8	891.86				Average	
		point34	34	6,359,510.0	1,831,857.5	874.76				Average	
		point35	35	6,359,512.0	1,831,756.1	857.71				Average	
		point36	36	6,359,514.0	1,831,654.8	836.87				Average	
		point37	37	6,359,515.5	1,831,553.5	824.16				Average	
		point38	38	6,359,517.5	1,831,452.1	819.47				Average	
		point39	39	6,359,519.0	1,831,350.9	814.06				Average	
		point40	40	6,359,521.0	1,831,249.5	808.00				Average	
		point41	41	6,359,521.5	1,831,199.2	808.93				Average	
		point42	42	6,359,520.5	1,831,149.0	810.24				Average	
		point43	43	6,359,518.0	1,831,098.8	814.40				Average	
		point44	44	6,359,514.5	1,831,048.6	819.19				Average	
		point45	45	6,359,510.0	1,830,998.5	822.25				Average	
		point46	46	6,359,504.0	1,830,948.6	823.83				Average	
		point47	47	6,359,496.5	1,830,898.9	823.44				Average	
		point48	48	6,359,488.0	1,830,849.4	820.55				Average	
		point49	49	6,359,478.0	1,830,800.0	816.24				Average	
		point50	50	6,359,467.0	1,830,751.0	811.53				Average	
		point51	51	6,359,455.0	1,830,702.2	802.99				Average	
		point52	52	6,359,441.5	1,830,653.9	795.67				Average	

		point53	53	6,359,427.0	1,830,605.8	792.74				Average	
		point54	54	6,359,411.0	1,830,558.0	795.36				Average	
		point55	55	6,359,394.0	1,830,510.8	799.80				Average	
		point56	56	6,359,375.5	1,830,463.9	801.36				Average	
		point57	57	6,359,356.0	1,830,417.5	802.11				Average	
		point58	58	6,359,335.5	1,830,371.6	804.72				Average	
		point59	59	6,359,314.0	1,830,326.4	803.95				Average	
		point60	60	6,359,291.0	1,830,281.6	801.18				Average	
		point61	61	6,359,242.0	1,830,188.2	794.21				Average	
		point62	62	6,359,193.0	1,830,095.0	789.91				Average	
		point63	63	6,359,143.5	1,830,001.6	777.51				Average	
		point64	64	6,359,094.5	1,829,908.2	763.43				Average	
		point65	65	6,359,045.5	1,829,815.0	744.84				Average	
		point66	66	6,358,996.5	1,829,721.6	731.83				Average	
		point67	67	6,358,947.0	1,829,628.4	721.91				Average	
		point68	68	6,358,898.0	1,829,535.0	720.25				Average	
		point69	69	6,358,849.0	1,829,441.8	717.05				Average	
		point70	70	6,358,826.0	1,829,399.8	715.08				Average	
		point71	71	6,358,802.5	1,829,358.2	714.43				Average	
		point72	72	6,358,777.5	1,829,317.5	713.28				Average	
		point73	73	6,358,752.0	1,829,277.2	713.28				Average	
		point74	74	6,358,725.5	1,829,237.6	717.11				Average	
		point75	75	6,358,697.5	1,829,198.6	721.40				Average	
		point76	76	6,358,669.0	1,829,160.2	720.84				Average	
		point77	77	6,358,640.0	1,829,122.6	719.36				Average	
		point78	78	6,358,609.5	1,829,085.8	717.48				Average	
		point79	79	6,358,578.5	1,829,049.6	715.99				Average	
		point80	80	6,358,546.5	1,829,014.2	714.01				Average	
		point81	81	6,358,513.5	1,828,979.6	711.42				Average	
		point82	82	6,358,479.5	1,828,945.8	707.60				Average	
		point83	83	6,358,445.0	1,828,912.8	704.19				Average	
		point84	84	6,358,410.0	1,828,880.5	701.84				Average	
		point85	85	6,358,374.0	1,828,849.1	697.53				Average	
		point86	86	6,358,337.0	1,828,818.8	694.06				Average	
		point87	87	6,358,299.5	1,828,789.1	697.96				Average	
		point88	88	6,358,216.0	1,828,724.5	696.25				Average	
		point89	89	6,358,132.0	1,828,660.0	695.47				Average	
		point90	90	6,358,048.5	1,828,595.4	701.30				Average	
		point91	91	6,357,964.5	1,828,530.9	705.48				Average	

		point92	92	6,357,880.5	1,828,466.2	709.52				Average	
		point93	93	6,357,797.0	1,828,401.8	708.75				Average	
		point94	94	6,357,713.0	1,828,337.1	711.11				Average	
		point95	95	6,357,629.0	1,828,272.6	710.28				Average	
		point96	96	6,357,545.5	1,828,208.0	716.98				Average	
		point97	97	6,357,461.5	1,828,143.5	712.35				Average	
		point98	98	6,357,378.0	1,828,078.9	714.41				Average	
		point99	99	6,357,294.0	1,828,014.4	710.27				Average	
		point100	100	6,357,210.0	1,827,949.8	709.80				Average	
		point101	101	6,357,126.5	1,827,885.1	707.16				Average	
		point102	102	6,357,042.5	1,827,820.6	702.46				Average	
		point103	103	6,356,958.5	1,827,756.0	697.76				Average	
		point104	104	6,356,875.0	1,827,691.5	692.74				Average	
		point105	105	6,356,791.0	1,827,626.9	686.73				Average	
		point106	106	6,356,707.0	1,827,562.4	681.57				Average	
		point108	108	6,356,623.5	1,827,497.8	677.72				Average	
		point109	109	6,356,593.5	1,827,474.2	675.52				Average	
		point110	110	6,356,564.0	1,827,450.1	673.32				Average	
		point111	111	6,356,535.0	1,827,425.5	671.11				Average	
		point112	112	6,356,445.5	1,827,348.0	664.94				Average	
		point113	113	6,356,356.0	1,827,270.5	657.70				Average	
		point114	114	6,356,266.5	1,827,193.0	651.86				Average	
		point115	115	6,356,231.0	1,827,160.6	649.21				Average	
		point116	116	6,356,197.0	1,827,126.5	646.57				Average	
		point117	117	6,356,165.0	1,827,090.6	642.98				Average	
		point118	118	6,356,134.5	1,827,053.2	638.50				Average	
		point119	119	6,356,106.5	1,827,014.5	632.40				Average	
		point120	120	6,356,080.0	1,826,974.2	623.97				Average	
		point121	121	6,356,056.0	1,826,932.8	630.08				Average	
		point122	122	6,356,033.5	1,826,890.0	640.72				Average	
		point123	123	6,356,014.0	1,826,846.2	646.98				Average	
		point124	124	6,355,996.0	1,826,801.6	651.24				Average	
		point125	125	6,355,981.0	1,826,756.0	649.69				Average	
		point126	126	6,355,967.5	1,826,709.8	649.50				Average	
		point127	127	6,355,957.0	1,826,662.9	648.92				Average	
		point128	128	6,355,948.5	1,826,615.6	648.26				Average	
		point129	129	6,355,942.5	1,826,567.9	646.59				Average	
		point130	130	6,355,939.0	1,826,520.0	645.59				Average	
		point131	131	6,355,934.0	1,826,413.9	643.53				Average	

		point132	132	6,355,929.0	1,826,307.8	639.80				Average	
		point133	133	6,355,924.0	1,826,201.6	637.99				Average	
		point134	134	6,355,919.0	1,826,095.5	635.43				Average	
		point135	135	6,355,914.0	1,825,989.4	634.38				Average	
		point136	136	6,355,909.0	1,825,883.2	633.95				Average	
		point137	137	6,355,904.0	1,825,777.1	634.29				Average	
		point138	138	6,355,899.5	1,825,727.6	633.77				Average	
		point139	139	6,355,891.0	1,825,678.8	633.05				Average	
		point140	140	6,355,878.5	1,825,630.8	631.20				Average	
		point141	141	6,355,862.0	1,825,584.0	630.08				Average	
		point142	142	6,355,842.0	1,825,538.6	628.59				Average	
		point143	143	6,355,818.0	1,825,495.2	626.67				Average	
		point144	144	6,355,790.5	1,825,453.9	624.96				Average	
		point145	145	6,355,760.0	1,825,414.9	622.75				Average	
		point146	146	6,355,726.0	1,825,378.6	621.69				Average	
		point147	147	6,355,689.5	1,825,345.2	620.67				Average	
		point148	148	6,355,650.0	1,825,315.0	619.93				Average	
		point149	149	6,355,543.5	1,825,240.2	616.32				Average	
		point150	150	6,355,437.5	1,825,165.5	613.71				Average	
		point151	151	6,355,331.0	1,825,090.6	610.67				Average	
		point152	152	6,355,292.5	1,825,062.0	609.23				Average	
		point153	153	6,355,255.5	1,825,031.6	607.35				Average	
		point154	154	6,355,219.5	1,824,999.4	605.21				Average	
		point155	155	6,355,185.5	1,824,965.5	602.79				Average	
		point156	156	6,355,153.0	1,824,930.0	600.68				Average	
		point157	157	6,355,122.5	1,824,893.0	600.01				Average	
		point158	158	6,355,093.5	1,824,854.6	598.86				Average	
		point159	159	6,355,066.5	1,824,814.9	603.20				Average	
		point160	160	6,355,041.5	1,824,773.8	605.21				Average	
		point161	161	6,355,018.5	1,824,731.6	604.42				Average	
		point162	162	6,354,997.5	1,824,688.4	604.00				Average	
		point163	163	6,354,950.0	1,824,584.9	601.91				Average	
		point164	164	6,354,902.5	1,824,481.4	598.87				Average	
		point165	165	6,354,855.5	1,824,377.8	597.79				Average	
		point166	166	6,354,808.0	1,824,274.2	597.85				Average	
		point167	167	6,354,761.0	1,824,170.8	605.10				Average	
		point168	168	6,354,713.5	1,824,067.2	601.09				Average	
		point169	169	6,354,692.5	1,824,024.8	598.87				Average	
		point170	170	6,354,668.5	1,823,983.8	596.01				Average	

		point171	171	6,354,641.5	1,823,944.5	595.34				Average	
		point172	172	6,354,612.5	1,823,907.2	595.46				Average	
		point173	173	6,354,550.0	1,823,833.0	592.64				Average	
		point174	174	6,354,487.5	1,823,758.6	592.95				Average	
		point175	175	6,354,425.0	1,823,684.4	593.99				Average	
		point176	176	6,354,319.0	1,823,650.4	592.28				Average	
		point177	177	6,354,213.0	1,823,616.2	600.07				Average	
		point178	178	6,354,107.0	1,823,582.2	592.79				Average	
		point179	179	6,354,001.0	1,823,548.1	584.73				Average	
		point180	180	6,353,895.0	1,823,514.1	580.00				Average	
		point181	181	6,353,846.5	1,823,497.4	579.99				Average	
		point182	182	6,353,799.0	1,823,478.8	578.23				Average	
		point183	183	6,353,752.5	1,823,458.0	577.41				Average	
		point184	184	6,353,706.5	1,823,435.4	577.01				Average	
		point185	185	6,353,662.0	1,823,410.8	577.71				Average	
		point186	186	6,353,618.0	1,823,384.4	578.69				Average	
		point187	187	6,353,575.5	1,823,356.0	579.25				Average	
		point188	188	6,353,534.5	1,823,326.0	577.56				Average	
		point189	189	6,353,494.5	1,823,294.1	575.43				Average	
		point190	190	6,353,456.0	1,823,260.6	576.13				Average	
		point191	191	6,353,419.0	1,823,225.6	576.29				Average	
		point192	192	6,353,383.5	1,823,188.9	575.04				Average	
		point193	193	6,353,349.5	1,823,150.9	576.22				Average	
		point194	194	6,353,317.0	1,823,111.2	576.65				Average	
		point195	195	6,353,286.5	1,823,070.4	576.21				Average	
		point196	196	6,353,257.5	1,823,028.2	575.72				Average	
		point197	197	6,353,230.5	1,822,985.0	574.91				Average	
		point198	198	6,353,139.5	1,822,831.8	584.91				Average	
		point199	199	6,353,113.0	1,822,789.2	575.57				Average	
		point200	200	6,353,084.5	1,822,747.9	569.12				Average	
		point201	201	6,353,055.0	1,822,707.8	567.74				Average	
		point202	202	6,353,023.0	1,822,669.0	565.79				Average	
		point203	203	6,352,990.0	1,822,631.5	565.52				Average	
		point204	204	6,352,955.5	1,822,595.4	564.01				Average	
		point205	205	6,352,919.0	1,822,560.9	564.16				Average	
		point206	206	6,352,881.5	1,822,527.8	563.17				Average	
		point207	207	6,352,842.5	1,822,496.2	562.01				Average	
		point208	208	6,352,802.5	1,822,466.5	562.15				Average	
		point209	209	6,352,761.0	1,822,438.4	562.19				Average	

		point210	210	6,352,718.5	1,822,412.0	560.84				Average	
		point211	211	6,352,675.0	1,822,387.5	560.00				Average	
		point212	212	6,352,630.5	1,822,364.8	560.00				Average	
		point213	213	6,352,585.0	1,822,343.9	560.00				Average	
		point214	214	6,352,538.5	1,822,325.0	560.01				Average	
		point215	215	6,352,443.5	1,822,288.4	560.61				Average	
		point216	216	6,352,397.5	1,822,269.0	562.67				Average	
		point217	217	6,352,352.5	1,822,247.0	563.62				Average	
		point218	218	6,352,309.0	1,822,222.2	564.76				Average	
		point219	219	6,352,267.5	1,822,194.9	565.84				Average	
		point220	220	6,352,227.0	1,822,165.1	566.00				Average	
		point221	221	6,352,189.0	1,822,133.0	565.39				Average	
		point222	222	6,352,153.0	1,822,098.5	568.41				Average	
		point223	223	6,352,119.0	1,822,062.0	570.42				Average	
		point224	224	6,352,087.0	1,822,023.5	573.25				Average	
		point225	225	6,352,057.5	1,821,983.0	575.88				Average	
		point226	226	6,352,031.0	1,821,941.0	576.65				Average	
		point227	227	6,352,006.5	1,821,897.4	577.58				Average	
		point228	228	6,351,985.0	1,821,852.2	577.18				Average	
		point229	229	6,351,966.0	1,821,806.0	576.85				Average	
		point230	230	6,351,950.0	1,821,758.8	576.17				Average	
		point231	231	6,351,919.0	1,821,657.0	572.09				Average	
		point232	232	6,351,888.0	1,821,555.1	562.73				Average	
		point233	233	6,351,857.0	1,821,453.4	559.32				Average	
		point234	234	6,351,826.0	1,821,351.6	557.54				Average	
		point235	235	6,351,795.0	1,821,249.9	555.56				Average	
		point236	236	6,351,764.0	1,821,148.0	553.39				Average	
		point237	237	6,351,752.0	1,821,111.1	552.46				Average	
		point238	238	6,351,738.5	1,821,074.8	551.91				Average	
		point239	239	6,351,704.0	1,820,986.4	550.28				Average	
		point240	240	6,351,669.5	1,820,898.0	551.22				Average	
		point241	241	6,351,635.0	1,820,809.8	550.40				Average	
		point242	242	6,351,600.0	1,820,721.4	549.58				Average	
		point243	243	6,351,565.5	1,820,633.0	554.05				Average	
		point244	244	6,351,531.0	1,820,544.6	570.84				Average	
		point245	245	6,351,496.5	1,820,456.4	565.16				Average	
		point246	246	6,351,461.5	1,820,368.0	558.23				Average	
		point247	247	6,351,442.5	1,820,323.2	557.45				Average	
		point248	248	6,351,420.0	1,820,279.9	556.80				Average	

		point249	249	6,351,394.5	1,820,238.2	557.66				Average	
		point250	250	6,351,366.5	1,820,198.5	559.31				Average	
		point251	251	6,351,335.5	1,820,160.8	565.12				Average	
		point252	252	6,351,302.0	1,820,125.4	565.85				Average	
		point253	253	6,351,266.0	1,820,092.2	564.66				Average	
		point254	254	6,351,228.0	1,820,061.8	563.90				Average	
		point255	255	6,351,188.0	1,820,034.0	566.28				Average	
		point256	256	6,351,146.0	1,820,009.1	567.84				Average	
		point257	257	6,351,102.5	1,819,987.2	568.92				Average	
		point258	258	6,351,057.5	1,819,968.5	569.05				Average	
		point259	259	6,351,011.0	1,819,952.9	571.33				Average	
		point260	260	6,350,964.0	1,819,940.5	574.09				Average	
		point261	261	6,350,916.0	1,819,931.4	575.07				Average	
		point262	262	6,350,867.5	1,819,925.6	576.76				Average	
		point263	263	6,350,819.0	1,819,923.4	576.70				Average	
		point264	264	6,350,770.0	1,819,924.4	577.00				Average	
		point265	265	6,350,721.5	1,819,928.9	578.07				Average	
		point266	266	6,350,625.0	1,819,941.2	579.75				Average	
		point267	267	6,350,528.5	1,819,953.5	577.74				Average	
		point268	268	6,350,432.0	1,819,965.8	569.99				Average	
		point269	269	6,350,335.5	1,819,978.1	567.47				Average	
		point270	270	6,350,239.0	1,819,990.4	559.88				Average	
		point271	271	6,350,142.5	1,820,002.6	555.25				Average	
		point272	272	6,350,045.5	1,820,015.0	556.57				Average	
		point273	273	6,349,996.5	1,820,022.0	556.30				Average	
		point274	274	6,349,948.0	1,820,030.8	561.15				Average	
		point275	275	6,349,899.5	1,820,041.0	565.36				Average	
		point276	276	6,349,851.5	1,820,052.9	568.28				Average	
		point277	277	6,349,804.0	1,820,066.2	570.97				Average	
		point278	278	6,349,756.5	1,820,081.4	577.94				Average	
		point279	279	6,349,710.0	1,820,097.9	581.95				Average	
		point280	280	6,349,664.0	1,820,116.0	588.89				Average	
		point281	281	6,349,618.5	1,820,135.6	595.58				Average	
		point282	282	6,349,573.5	1,820,156.6	598.12				Average	
		point283	283	6,349,529.5	1,820,179.2	601.24				Average	
		point284	284	6,349,486.5	1,820,203.2	602.98				Average	
		point285	285	6,349,389.0	1,820,259.2	603.55				Average	
		point286	286	6,349,292.0	1,820,315.2	600.19				Average	
		point287	287	6,349,194.5	1,820,371.4	594.66				Average	

		point288	288	6,349,097.5	1,820,427.4	601.27				Average	
		point289	289	6,349,000.0	1,820,483.4	618.04				Average	
		point290	290	6,348,903.0	1,820,539.5	622.41				Average	
		point291	291	6,348,805.5	1,820,595.5	625.29					

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INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 8207
RUN: Otay Ranch Vilg14 PrctrVlly Ex Rev 0817

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	30	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	170	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	210	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	580	97	45	2	45	0	0	1	45	0	0
	point387	387	580	97	45	2	45	0	0	1	45	0	0
	point445	445	580	97	45	2	45	0	0	1	45	0	0
	point444	444	580	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	1420	97	45	2	45	0	0	1	45	0	0
	point434	434	1420	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	2000	97	45	2	45	0	0	1	45	0	0
	point392	392	2000	97	45	2	45	0	0	1	45	0	0
	point430	430	2000	97	45	2	45	0	0	1	45	0	0
	point431	431	2000	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	1010	97	40	2	40	0	0	1	40	0	0
	point428	428	1010	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	830	97	45	2	45	0	0	1	45	0	0

	point423	423	830	97	45	2	45	0	0	1	45	0	0
	point424	424	830	97	45	2	45	0	0	1	45	0	0
	point426	426	830	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	2170	97	45	2	45	0	0	1	45	0	0
	point429	429	2170	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	140	97	45	2	45	0	0	1	45	0	0
	point446	446	140	97	45	2	45	0	0	1	45	0	0
	point447	447	140	97	45	2	45	0	0	1	45	0	0
	point448	448	140	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	630	97	45	2	45	0	0	1	45	0	0
	point437	437	630	97	45	2	45	0	0	1	45	0	0
	point435	435	630	97	45	2	45	0	0	1	45	0	0
	point436	436	630	97	45	2	45	0	0	1	45	0	0
	point406	406	630	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1090	97	45	2	45	0	0	1	45	0	0
	point438	438	1090	97	45	2	45	0	0	1	45	0	0
	point439	439	1090	97	45	2	45	0	0	1	45	0	0
	point440	440	1090	97	45	2	45	0	0	1	45	0	0
	point409	409	1090	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	200	97	50	2	50	0	0	1	50	0	0
	point412	412	200	97	50	2	50	0	0	1	50	0	0
	point441	441	200	97	50	2	50	0	0	1	50	0	0
	point442	442	200	97	50	2	50	0	0	1	50	0	0
	point443	443	200	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1080	97	40	2	40	0	0	1	40	0	0
	point433	433	1080	97	40	2	40	0	0	1	40	0	0
	point432	432	1080	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	250	97	40	2	40	0	0	1	40	0	0
	point449	449	250	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Road	point378	378	20	97	25	2	25	0	0	1	25	0	0
	point376	376	20	97	25	2	25	0	0	1	25	0	0
	point374	374	20	97	25	2	25	0	0	1	25	0	0
	point372	372	20	97	25	2	25	0	0	1	25	0	0
	point292	292	20	97	25	2	25	0	0	1	25	0	0
	point293	293	20	97	25	2	25	0	0	1	25	0	0
	point294	294	20	97	25	2	25	0	0	1	25	0	0
	point295	295	20	97	25	2	25	0	0	1	25	0	0
	point296	296	20	97	25	2	25	0	0	1	25	0	0
	point297	297	20	97	25	2	25	0	0	1	25	0	0
	point298	298	20	97	25	2	25	0	0	1	25	0	0
	point299	299	20	97	25	2	25	0	0	1	25	0	0
	point300	300	20	97	25	2	25	0	0	1	25	0	0
	point301	301	20	97	25	2	25	0	0	1	25	0	0
	point302	302	20	97	25	2	25	0	0	1	25	0	0
	point303	303	20	97	25	2	25	0	0	1	25	0	0
	point304	304	20	97	25	2	25	0	0	1	25	0	0
	point305	305	20	97	25	2	25	0	0	1	25	0	0
	point306	306	20	97	25	2	25	0	0	1	25	0	0
	point307	307	20	97	25	2	25	0	0	1	25	0	0
	point308	308	20	97	25	2	25	0	0	1	25	0	0
	point309	309	20	97	25	2	25	0	0	1	25	0	0
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	point312	312	20	97	25	2	25	0	0	1	25	0	0
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	point314	314	20	97	25	2	25	0	0	1	25	0	0
	point315	315	20	97	25	2	25	0	0	1	25	0	0
	point317	317	20	97	25	2	25	0	0	1	25	0	0
	point318	318	20	97	25	2	25	0	0	1	25	0	0
	point319	319	20	97	25	2	25	0	0	1	25	0	0
	point320	320	20	97	25	2	25	0	0	1	25	0	0
	point321	321	20	97	25	2	25	0	0	1	25	0	0
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	point327	327	20	97	25	2	25	0	0	1	25	0	0
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	point364	364	20	97	25	2	25	0	0	1	25	0	0
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	point73	73	20	97	25	2	25	0	0	1	25	0	0
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	point181	181	20	97	25	2	25	0	0	1	25	0	0
	point182	182	20	97	25	2	25	0	0	1	25	0	0
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	point199	199	20	97	25	2	25	0	0	1	25	0	0
	point200	200	20	97	25	2	25	0	0	1	25	0	0
	point201	201	20	97	25	2	25	0	0	1	25	0	0
	point202	202	20	97	25	2	25	0	0	1	25	0	0
	point203	203	20	97	25	2	25	0	0	1	25	0	0
	point204	204	20	97	25	2	25	0	0	1	25	0	0
	point205	205	20	97	25	2	25	0	0	1	25	0	0
	point206	206	20	97	25	2	25	0	0	1	25	0	0
	point207	207	20	97	25	2	25	0	0	1	25	0	0
	point208	208	20	97	25	2	25	0	0	1	25	0	0
	point209	209	20	97	25	2	25	0	0	1	25	0	0
	point210	210	20	97	25	2	25	0	0	1	25	0	0
	point211	211	20	97	25	2	25	0	0	1	25	0	0
	point212	212	20	97	25	2	25	0	0	1	25	0	0
	point213	213	20	97	25	2	25	0	0	1	25	0	0
	point214	214	20	97	25	2	25	0	0	1	25	0	0
	point215	215	20	97	25	2	25	0	0	1	25	0	0
	point216	216	20	97	25	2	25	0	0	1	25	0	0
	point217	217	20	97	25	2	25	0	0	1	25	0	0
	point218	218	20	97	25	2	25	0	0	1	25	0	0
	point219	219	20	97	25	2	25	0	0	1	25	0	0

	point220	220	20	97	25	2	25	0	0	1	25	0	0
	point221	221	20	97	25	2	25	0	0	1	25	0	0
	point222	222	20	97	25	2	25	0	0	1	25	0	0
	point223	223	20	97	25	2	25	0	0	1	25	0	0
	point224	224	20	97	25	2	25	0	0	1	25	0	0
	point225	225	20	97	25	2	25	0	0	1	25	0	0
	point226	226	20	97	25	2	25	0	0	1	25	0	0
	point227	227	20	97	25	2	25	0	0	1	25	0	0
	point228	228	20	97	25	2	25	0	0	1	25	0	0
	point229	229	20	97	25	2	25	0	0	1	25	0	0
	point230	230	20	97	25	2	25	0	0	1	25	0	0
	point231	231	20	97	25	2	25	0	0	1	25	0	0
	point232	232	20	97	25	2	25	0	0	1	25	0	0
	point233	233	20	97	25	2	25	0	0	1	25	0	0
	point234	234	20	97	25	2	25	0	0	1	25	0	0
	point235	235	20	97	25	2	25	0	0	1	25	0	0
	point236	236	20	97	25	2	25	0	0	1	25	0	0
	point237	237	20	97	25	2	25	0	0	1	25	0	0
	point238	238	20	97	25	2	25	0	0	1	25	0	0
	point239	239	20	97	25	2	25	0	0	1	25	0	0
	point240	240	20	97	25	2	25	0	0	1	25	0	0
	point241	241	20	97	25	2	25	0	0	1	25	0	0
	point242	242	20	97	25	2	25	0	0	1	25	0	0
	point243	243	20	97	25	2	25	0	0	1	25	0	0
	point244	244	20	97	25	2	25	0	0	1	25	0	0
	point245	245	20	97	25	2	25	0	0	1	25	0	0
	point246	246	20	97	25	2	25	0	0	1	25	0	0
	point247	247	20	97	25	2	25	0	0	1	25	0	0
	point248	248	20	97	25	2	25	0	0	1	25	0	0
	point249	249	20	97	25	2	25	0	0	1	25	0	0
	point250	250	20	97	25	2	25	0	0	1	25	0	0
	point251	251	20	97	25	2	25	0	0	1	25	0	0
	point252	252	20	97	25	2	25	0	0	1	25	0	0
	point253	253	20	97	25	2	25	0	0	1	25	0	0
	point254	254	20	97	25	2	25	0	0	1	25	0	0
	point255	255	20	97	25	2	25	0	0	1	25	0	0

	point256	256	20	97	25	2	25	0	0	1	25	0	0
	point257	257	20	97	25	2	25	0	0	1	25	0	0
	point258	258	20	97	25	2	25	0	0	1	25	0	0
	point259	259	20	97	25	2	25	0	0	1	25	0	0
	point260	260	20	97	25	2	25	0	0	1	25	0	0
	point261	261	20	97	25	2	25	0	0	1	25	0	0
	point262	262	20	97	25	2	25	0	0	1	25	0	0
	point263	263	20	97	25	2	25	0	0	1	25	0	0
	point264	264	20	97	25	2	25	0	0	1	25	0	0
	point265	265	20	97	25	2	25	0	0	1	25	0	0
	point266	266	20	97	25	2	25	0	0	1	25	0	0
	point267	267	20	97	25	2	25	0	0	1	25	0	0
	point268	268	20	97	25	2	25	0	0	1	25	0	0
	point269	269	20	97	25	2	25	0	0	1	25	0	0
	point270	270	20	97	25	2	25	0	0	1	25	0	0
	point271	271	20	97	25	2	25	0	0	1	25	0	0
	point272	272	20	97	25	2	25	0	0	1	25	0	0
	point273	273	20	97	25	2	25	0	0	1	25	0	0
	point274	274	20	97	25	2	25	0	0	1	25	0	0
	point275	275	20	97	25	2	25	0	0	1	25	0	0
	point276	276	20	97	25	2	25	0	0	1	25	0	0
	point277	277	20	97	25	2	25	0	0	1	25	0	0
	point278	278	20	97	25	2	25	0	0	1	25	0	0
	point279	279	20	97	25	2	25	0	0	1	25	0	0
	point280	280	20	97	25	2	25	0	0	1	25	0	0
	point281	281	20	97	25	2	25	0	0	1	25	0	0
	point282	282	20	97	25	2	25	0	0	1	25	0	0
	point283	283	20	97	25	2	25	0	0	1	25	0	0
	point284	284	20	97	25	2	25	0	0	1	25	0	0
	point285	285	20	97	25	2	25	0	0	1	25	0	0
	point286	286	20	97	25	2	25	0	0	1	25	0	0
	point287	287	20	97	25	2	25	0	0	1	25	0	0
	point288	288	20	97	25	2	25	0	0	1	25	0	0
	point289	289	20	97	25	2	25	0	0	1	25	0	0
	point290	290	20	97	25	2	25	0	0	1	25	0	0
	point291	291											

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INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: Otay Ranch Vilg14 PrctrVlly Ex Rev 0817

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	10.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	10.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	10.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	10.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	10.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	10.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	10.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	10.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	10.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	10.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	10.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	10.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	10.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	10.0	8.0	
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	10.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	10.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	10.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	10.0	8.0	

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TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: Otay Ranch Vilg14 PrctrVlly Ex Rev 0817

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 Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0			
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00						

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12 September 2017
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: Otay Ranch Vilg14 PrctrVlly Ex Rev 0817
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	64.2	65	64.2	10	----	64.2	0.0	8	-8.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	53.6	65	53.6	10	----	53.6	0.0	8	-8.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	54.5	65	54.5	10	----	54.5	0.0	8	-8.0
R4 MtMglRd - Lane Ave	9	1	0.0	63.0	65	63.0	10	----	63.0	0.0	8	-8.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	53.9	65	53.9	10	----	53.9	0.0	8	-8.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	54.6	65	54.6	10	----	54.6	0.0	8	-8.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	52.3	65	52.3	10	----	52.3	0.0	8	-8.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	57.4	65	57.4	10	----	57.4	0.0	8	-8.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	46.9	65	46.9	10	----	46.9	0.0	8	-8.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	49.6	65	49.6	10	----	49.6	0.0	8	-8.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	49.6	65	49.6	10	----	49.6	0.0	8	-8.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	50.6	65	50.6	10	----	50.6	0.0	8	-8.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	59.0	65	59.0	10	----	59.0	0.0	8	-8.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	38.7	65	38.7	10	----	38.7	0.0	8	-8.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	49.1	65	49.1	10	----	49.1	0.0	8	-8.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	47.9	65	47.9	10	----	47.9	0.0	8	-8.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	57.0	65	57.0	10	----	57.0	0.0	8	-8.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	59.4	65	59.4	10	----	59.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	18	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0

All that meet NR Goal		0	0.0	0.0	0.0								

Dudek					**12 September 2017**						
M Greene					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**8207**						**a State highway agency substantiates the use**				
RUN:	**Oty Rnch V4 PrctrVlly Ex w ProjRev 0817**						**of a different type with the approval of FHWA**				
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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Rd - Ent 7 to Ent 8	40.0	point845	845	6,360,531.5	1,833,317.4	906.00				Average	
		point847	847	6,360,575.5	1,833,349.5	907.90				Average	
		point848	848	6,360,599.5	1,833,371.0	909.90				Average	
		point849	849	6,360,619.5	1,833,396.1	911.90				Average	

		point850	850	6,360,635.5	1,833,424.1	913.80				Average	
		point851	851	6,360,691.0	1,833,542.9	922.50				Average	
		point852	852	6,360,706.0	1,833,570.1	924.20				Average	
		point853	853	6,360,725.0	1,833,594.6	924.70				Average	
		point854	854	6,360,747.5	1,833,615.9	925.20				Average	
		point855	855	6,360,829.5	1,833,682.5	927.00				Average	
		point856	856	6,360,855.5	1,833,707.2	927.50				Average	
		point857	857	6,360,876.0	1,833,736.1	928.20				Average	
		point858	858	6,360,891.5	1,833,768.2	929.40				Average	
		point859	859	6,360,896.5	1,833,806.6	930.60				Average	
		point860	860	6,360,896.5	1,833,838.9	931.80				Average	
		point861	861	6,360,896.5	1,834,681.8	923.90				Average	
		point862	862	6,360,893.5	1,834,739.8	919.80				Average	
		point863	863	6,360,885.0	1,834,798.1	915.70				Average	
		point864	864	6,360,878.0	1,834,855.4	911.70				Average	
		point893	893	6,360,868.5	1,834,918.4	908.80					
Proctor Valley Road - Ent 8 to Melody	25.0	point881	881	6,368,149.0	1,836,340.0	960.00				Average	
		point882	882	6,366,145.0	1,836,340.0	968.00				Average	
		point883	883	6,362,537.5	1,836,340.0	910.00					
Proctor Valley Road - Proj Ent 1 to Chula	60.0	point884	884	6,354,425.0	1,823,684.4	591.80				Average	
		point602	602	6,354,319.0	1,823,650.4	591.10				Average	
		point603	603	6,354,213.0	1,823,616.2	591.00				Average	
		point604	604	6,354,107.0	1,823,582.2	589.90				Average	
		point605	605	6,354,001.0	1,823,548.1	588.80				Average	
		point606	606	6,353,895.0	1,823,514.1	587.60				Average	
		point607	607	6,353,846.5	1,823,497.4	587.10				Average	
		point608	608	6,353,799.0	1,823,478.8	586.60				Average	
		point609	609	6,353,752.5	1,823,458.0	586.10				Average	
		point610	610	6,353,706.5	1,823,435.4	585.60				Average	
		point611	611	6,353,662.0	1,823,410.8	585.10				Average	
		point612	612	6,353,618.0	1,823,384.4	584.60				Average	
		point613	613	6,353,575.5	1,823,356.0	584.10				Average	
		point614	614	6,353,534.5	1,823,326.0	583.60				Average	
		point615	615	6,353,494.5	1,823,294.1	583.10				Average	
		point616	616	6,353,456.0	1,823,260.6	582.50				Average	
		point617	617	6,353,419.0	1,823,225.6	582.00				Average	
		point618	618	6,353,383.5	1,823,188.9	581.50				Average	
		point619	619	6,353,349.5	1,823,150.9	581.00				Average	
		point620	620	6,353,317.0	1,823,111.2	580.50				Average	

		point621	621	6,353,286.5	1,823,070.4	580.00				Average	
		point622	622	6,353,257.5	1,823,028.2	579.50				Average	
		point623	623	6,353,230.5	1,822,985.0	579.00				Average	
		point624	624	6,353,139.5	1,822,831.8	577.20				Average	
		point625	625	6,353,113.0	1,822,789.2	576.70				Average	
		point626	626	6,353,084.5	1,822,747.9	576.30				Average	
		point627	627	6,353,055.0	1,822,707.8	576.60				Average	
		point628	628	6,353,023.0	1,822,669.0	577.10				Average	
		point629	629	6,352,990.0	1,822,631.5	577.60				Average	
		point630	630	6,352,955.5	1,822,595.4	578.10				Average	
		point631	631	6,352,919.0	1,822,560.9	578.60				Average	
		point632	632	6,352,881.5	1,822,527.8	579.10				Average	
		point633	633	6,352,842.5	1,822,496.2	579.60				Average	
		point634	634	6,352,802.5	1,822,466.5	580.10				Average	
		point635	635	6,352,761.0	1,822,438.4	580.60				Average	
		point636	636	6,352,718.5	1,822,412.0	581.10				Average	
		point637	637	6,352,675.0	1,822,387.5	580.60				Average	
		point638	638	6,352,630.5	1,822,364.8	581.00				Average	
		point639	639	6,352,585.0	1,822,343.9	581.50				Average	
		point640	640	6,352,538.5	1,822,325.0	582.00				Average	
		point641	641	6,352,443.5	1,822,288.4	583.10				Average	
		point642	642	6,352,397.5	1,822,269.0	583.30				Average	
		point643	643	6,352,352.5	1,822,247.0	583.20				Average	
		point644	644	6,352,309.0	1,822,222.2	582.70				Average	
		point645	645	6,352,267.5	1,822,194.9	582.20				Average	
		point646	646	6,352,227.0	1,822,165.1	581.70				Average	
		point647	647	6,352,189.0	1,822,133.0	581.20				Average	
		point648	648	6,352,153.0	1,822,098.5	580.70				Average	
		point649	649	6,352,119.0	1,822,062.0	580.20				Average	
		point650	650	6,352,087.0	1,822,023.5	579.70				Average	
		point651	651	6,352,057.5	1,821,983.0	579.20				Average	
		point652	652	6,352,031.0	1,821,941.0	578.70				Average	
		point653	653	6,352,006.5	1,821,897.4	578.20				Average	
		point654	654	6,351,985.0	1,821,852.2	577.70				Average	
		point655	655	6,351,966.0	1,821,806.0	577.20				Average	
		point656	656	6,351,950.0	1,821,758.8	576.70				Average	
		point657	657	6,351,919.0	1,821,657.0	575.60				Average	
		point658	658	6,351,888.0	1,821,555.1	574.50				Average	
		point659	659	6,351,857.0	1,821,453.4	573.50				Average	

		point660	660	6,351,826.0	1,821,351.6	572.40				Average	
		point661	661	6,351,795.0	1,821,249.9	571.30				Average	
		point662	662	6,351,764.0	1,821,148.0	570.30				Average	
		point663	663	6,351,752.0	1,821,111.1	569.90				Average	
		point664	664	6,351,738.5	1,821,074.8	569.50				Average	
		point665	665	6,351,704.0	1,820,986.4	568.60				Average	
		point666	666	6,351,669.5	1,820,898.0	568.40				Average	
		point667	667	6,351,635.0	1,820,809.8	569.40				Average	
		point668	668	6,351,600.0	1,820,721.4	570.40				Average	
		point669	669	6,351,565.5	1,820,633.0	571.30				Average	
		point670	670	6,351,531.0	1,820,544.6	572.20				Average	
		point671	671	6,351,496.5	1,820,456.4	572.80				Average	
		point672	672	6,351,461.5	1,820,368.0	571.90				Average	
		point673	673	6,351,442.5	1,820,323.2	571.40				Average	
		point674	674	6,351,420.0	1,820,279.9	570.90				Average	
		point675	675	6,351,394.5	1,820,238.2	570.40				Average	
		point676	676	6,351,366.5	1,820,198.5	569.90				Average	
		point677	677	6,351,335.5	1,820,160.8	569.40				Average	
		point678	678	6,351,302.0	1,820,125.4	568.90				Average	
		point679	679	6,351,266.0	1,820,092.2	568.40				Average	
		point680	680	6,351,228.0	1,820,061.8	567.90				Average	
		point681	681	6,351,188.0	1,820,034.0	567.50				Average	
		point682	682	6,351,146.0	1,820,009.1	567.00				Average	
		point683	683	6,351,102.5	1,819,987.2	566.50				Average	
		point684	684	6,351,057.5	1,819,968.5	566.00				Average	
		point685	685	6,351,011.0	1,819,952.9	565.50				Average	
		point686	686	6,350,964.0	1,819,940.5	565.00				Average	
		point687	687	6,350,916.0	1,819,931.4	564.50				Average	
		point688	688	6,350,867.5	1,819,925.6	564.00				Average	
		point689	689	6,350,819.0	1,819,923.4	563.60				Average	
		point690	690	6,350,770.0	1,819,924.4	563.10				Average	
		point691	691	6,350,721.5	1,819,928.9	562.60				Average	
		point692	692	6,350,625.0	1,819,941.2	561.70				Average	
		point693	693	6,350,528.5	1,819,953.5	561.60				Average	
		point694	694	6,350,432.0	1,819,965.8	562.60				Average	
		point695	695	6,350,335.5	1,819,978.1	565.10				Average	
		point696	696	6,350,239.0	1,819,990.4	568.80				Average	
		point697	697	6,350,142.5	1,820,002.6	572.20				Average	
		point698	698	6,350,045.5	1,820,015.0	575.60				Average	

		point699	699	6,349,996.5	1,820,022.0	577.30				Average	
		point700	700	6,349,948.0	1,820,030.8	579.00				Average	
		point701	701	6,349,899.5	1,820,041.0	580.80				Average	
		point702	702	6,349,851.5	1,820,052.9	582.50				Average	
		point703	703	6,349,804.0	1,820,066.2	584.20				Average	
		point704	704	6,349,756.5	1,820,081.4	585.90				Average	
		point705	705	6,349,710.0	1,820,097.9	587.70				Average	
		point706	706	6,349,664.0	1,820,116.0	589.40				Average	
		point707	707	6,349,618.5	1,820,135.6	591.10				Average	
		point708	708	6,349,573.5	1,820,156.6	592.80				Average	
		point709	709	6,349,529.5	1,820,179.2	594.60				Average	
		point710	710	6,349,486.5	1,820,203.2	596.30				Average	
		point711	711	6,349,389.0	1,820,259.2	600.20				Average	
		point712	712	6,349,292.0	1,820,315.2	604.10				Average	
		point713	713	6,349,194.5	1,820,371.4	608.00				Average	
		point714	714	6,349,097.5	1,820,427.4	611.90				Average	
		point715	715	6,349,000.0	1,820,483.4	615.90				Average	
		point716	716	6,348,903.0	1,820,539.5	619.80				Average	
		point717	717	6,348,819.5	1,820,587.5	624.60					
Proctor Valley Road - Proj Ent 1 to 2	60.0	point886	886	6,354,855.5	1,824,377.8	603.80				Average	
		point592	592	6,354,808.0	1,824,274.2	602.10				Average	
		point593	593	6,354,761.0	1,824,170.8	600.40				Average	
		point594	594	6,354,713.5	1,824,067.2	598.60				Average	
		point595	595	6,354,692.5	1,824,024.8	597.90				Average	
		point596	596	6,354,668.5	1,823,983.8	597.20				Average	
		point597	597	6,354,641.5	1,823,944.5	596.40				Average	
		point598	598	6,354,612.5	1,823,907.2	595.70				Average	
		point599	599	6,354,550.0	1,823,833.0	594.20				Average	
		point885	885	6,354,487.5	1,823,758.6	593.10				Average	
		point601	601	6,354,425.0	1,823,684.4	591.80					
Proctor Valley Road - Proj Ent 2 to 3	60.0	point887	887	6,355,996.0	1,826,801.6	649.50				Average	
		point551	551	6,355,981.0	1,826,756.0	648.90				Average	
		point552	552	6,355,967.5	1,826,709.8	648.10				Average	
		point553	553	6,355,957.0	1,826,662.9	647.30				Average	
		point554	554	6,355,948.5	1,826,615.6	646.50				Average	
		point555	555	6,355,942.5	1,826,567.9	645.70				Average	
		point556	556	6,355,939.0	1,826,520.0	644.90				Average	
		point557	557	6,355,934.0	1,826,413.9	643.10				Average	
		point558	558	6,355,929.0	1,826,307.8	641.40				Average	

		point559	559	6,355,924.0	1,826,201.6	639.60				Average	
		point560	560	6,355,919.0	1,826,095.5	637.80				Average	
		point561	561	6,355,914.0	1,825,989.4	636.30				Average	
		point562	562	6,355,909.0	1,825,883.2	635.20				Average	
		point563	563	6,355,904.0	1,825,777.1	634.10				Average	
		point564	564	6,355,899.5	1,825,727.6	633.60				Average	
		point565	565	6,355,891.0	1,825,678.8	633.10				Average	
		point566	566	6,355,878.5	1,825,630.8	632.60				Average	
		point567	567	6,355,862.0	1,825,584.0	632.20				Average	
		point568	568	6,355,842.0	1,825,538.6	631.70				Average	
		point569	569	6,355,818.0	1,825,495.2	631.20				Average	
		point570	570	6,355,790.5	1,825,453.9	630.70				Average	
		point571	571	6,355,760.0	1,825,414.9	630.20				Average	
		point572	572	6,355,726.0	1,825,378.6	629.70				Average	
		point573	573	6,355,689.5	1,825,345.2	629.20				Average	
		point574	574	6,355,650.0	1,825,315.0	628.70				Average	
		point575	575	6,355,543.5	1,825,240.2	627.40				Average	
		point576	576	6,355,437.5	1,825,165.5	626.10				Average	
		point577	577	6,355,331.0	1,825,090.6	624.80				Average	
		point578	578	6,355,292.5	1,825,062.0	624.30				Average	
		point579	579	6,355,255.5	1,825,031.6	623.80				Average	
		point580	580	6,355,219.5	1,824,999.4	623.30				Average	
		point581	581	6,355,185.5	1,824,965.5	622.80				Average	
		point582	582	6,355,153.0	1,824,930.0	622.40				Average	
		point583	583	6,355,122.5	1,824,893.0	621.90				Average	
		point584	584	6,355,093.5	1,824,854.6	621.30				Average	
		point585	585	6,355,066.5	1,824,814.9	620.50				Average	
		point586	586	6,355,041.5	1,824,773.8	619.40				Average	
		point587	587	6,355,018.5	1,824,731.6	617.90				Average	
		point588	588	6,354,997.5	1,824,688.4	616.00				Average	
		point589	589	6,354,950.0	1,824,584.9	611.00				Average	
		point590	590	6,354,902.5	1,824,481.4	606.40				Average	
		point591	591	6,354,855.5	1,824,377.8	603.80					
Proctor Valley Road - Proj Ent 3 to 4	75.0	point888	888	6,356,791.0	1,827,626.9	692.80				Average	
		point533	533	6,356,707.0	1,827,562.4	689.10				Average	
		point534	534	6,356,623.5	1,827,497.8	684.20				Average	
		point535	535	6,356,593.5	1,827,474.2	682.40				Average	
		point536	536	6,356,564.0	1,827,450.1	680.70				Average	
		point537	537	6,356,535.0	1,827,425.5	679.00				Average	

		point538	538	6,356,445.5	1,827,348.0	673.40				Average	
		point539	539	6,356,356.0	1,827,270.5	667.50				Average	
		point540	540	6,356,266.5	1,827,193.0	662.30				Average	
		point541	541	6,356,231.0	1,827,160.6	660.20				Average	
		point542	542	6,356,197.0	1,827,126.5	658.30				Average	
		point543	543	6,356,165.0	1,827,090.6	656.40				Average	
		point544	544	6,356,134.5	1,827,053.2	655.00				Average	
		point545	545	6,356,106.5	1,827,014.5	653.80				Average	
		point546	546	6,356,080.0	1,826,974.2	652.90				Average	
		point547	547	6,356,056.0	1,826,932.8	652.10				Average	
		point548	548	6,356,033.5	1,826,890.0	650.40				Average	
		point549	549	6,356,014.0	1,826,846.2	650.50				Average	
		point550	550	6,355,996.0	1,826,801.6	649.50					
Proctor Valley Road - Proj Ent 4 to 5	60.0	point889	889	6,359,116.5	1,829,950.2	763.10				Average	
		point485	485	6,359,094.5	1,829,907.9	762.40				Average	
		point486	486	6,359,072.0	1,829,865.5	761.60				Average	
		point487	487	6,359,049.5	1,829,823.1	760.60				Average	
		point488	488	6,359,027.5	1,829,780.8	759.00				Average	
		point489	489	6,359,005.0	1,829,738.4	756.50				Average	
		point490	490	6,358,982.5	1,829,696.0	753.50				Average	
		point491	491	6,358,960.5	1,829,653.6	750.00				Average	
		point492	492	6,358,938.0	1,829,611.2	746.90				Average	
		point493	493	6,358,916.0	1,829,568.9	744.90				Average	
		point494	494	6,358,893.5	1,829,526.5	743.00				Average	
		point495	495	6,358,871.0	1,829,484.1	741.50				Average	
		point496	496	6,358,849.0	1,829,441.8	740.10				Average	
		point497	497	6,358,803.5	1,829,368.9	737.40				Average	
		point498	498	6,358,748.5	1,829,303.2	734.70				Average	
		point499	499	6,358,712.0	1,829,265.8	733.10				Average	
		point500	500	6,358,675.5	1,829,228.2	731.40				Average	
		point501	501	6,358,639.0	1,829,190.8	729.80				Average	
		point502	502	6,358,602.5	1,829,153.2	728.10				Average	
		point503	503	6,358,566.5	1,829,115.8	726.50				Average	
		point504	504	6,358,530.0	1,829,078.2	724.80				Average	
		point505	505	6,358,493.5	1,829,040.8	723.20				Average	
		point506	506	6,358,457.0	1,829,003.2	721.50				Average	
		point507	507	6,358,421.0	1,828,965.2	719.90				Average	
		point508	508	6,358,385.5	1,828,927.2	718.30				Average	
		point509	509	6,358,349.5	1,828,889.1	716.70				Average	

		point510	510	6,358,313.5	1,828,851.1	715.20				Average	
		point511	511	6,358,278.0	1,828,813.1	714.20				Average	
		point512	512	6,358,242.0	1,828,775.1	713.60				Average	
		point513	513	6,358,206.0	1,828,737.0	713.00				Average	
		point514	514	6,358,170.5	1,828,699.0	712.50				Average	
		point515	515	6,358,136.5	1,828,665.6	712.00				Average	
		point516	516	6,358,100.0	1,828,635.1	711.50				Average	
		point517	517	6,358,048.5	1,828,595.4	710.90				Average	
		point518	518	6,357,964.5	1,828,530.9	709.80				Average	
		point519	519	6,357,880.5	1,828,466.2	708.80				Average	
		point520	520	6,357,797.0	1,828,401.8	707.70				Average	
		point521	521	6,357,713.0	1,828,337.1	706.70				Average	
		point522	522	6,357,629.0	1,828,272.6	705.60				Average	
		point523	523	6,357,545.5	1,828,208.0	704.50				Average	
		point524	524	6,357,461.5	1,828,143.5	703.50				Average	
		point525	525	6,357,378.0	1,828,078.9	702.40				Average	
		point526	526	6,357,294.0	1,828,014.4	701.40				Average	
		point527	527	6,357,210.0	1,827,949.8	700.30				Average	
		point528	528	6,357,126.5	1,827,885.1	699.20				Average	
		point529	529	6,357,042.5	1,827,820.6	698.20				Average	
		point530	530	6,356,958.5	1,827,756.0	697.10				Average	
		point531	531	6,356,875.0	1,827,691.5	695.50				Average	
		point532	532	6,356,791.0	1,827,626.9	692.80					
Proctor Valley Road - Proj Ent 5 to 6	60.0	point890	890	6,359,518.0	1,831,098.8	836.00				Average	
		point461	461	6,359,514.5	1,831,048.6	835.30				Average	
		point462	462	6,359,510.0	1,830,998.5	834.10				Average	
		point463	463	6,359,504.0	1,830,948.6	832.80				Average	
		point464	464	6,359,496.5	1,830,898.9	831.00				Average	
		point465	465	6,359,488.0	1,830,849.4	829.00				Average	
		point466	466	6,359,478.0	1,830,800.0	825.70				Average	
		point467	467	6,359,467.0	1,830,751.0	822.20				Average	
		point468	468	6,359,455.0	1,830,702.2	818.00				Average	
		point469	469	6,359,441.5	1,830,653.9	813.80				Average	
		point470	470	6,359,427.0	1,830,605.8	809.70				Average	
		point471	471	6,359,411.0	1,830,558.0	805.50				Average	
		point472	472	6,359,394.0	1,830,510.8	801.30				Average	
		point473	473	6,359,375.5	1,830,463.9	797.10				Average	
		point474	474	6,359,356.0	1,830,417.5	793.00				Average	
		point475	475	6,359,335.5	1,830,371.6	788.80				Average	

		point476	476	6,359,314.0	1,830,326.4	784.70				Average	
		point477	477	6,359,291.0	1,830,281.6	780.60				Average	
		point478	478	6,359,235.5	1,830,176.4	772.20				Average	
		point479	479	6,359,219.5	1,830,143.0	769.80				Average	
		point480	480	6,359,203.5	1,830,105.4	768.00				Average	
		point481	481	6,359,187.0	1,830,067.8	766.70				Average	
		point482	482	6,359,164.0	1,830,021.8	765.10				Average	
		point483	483	6,359,136.5	1,829,978.2	763.40				Average	
		point484	484	6,359,116.5	1,829,950.2	763.10					
Proctor Valley Road - West Fork	40.0	point891	891	6,360,476.5	1,835,546.8	884.80				Average	
		point763	763	6,360,443.5	1,835,500.8	885.50				Average	
		point764	764	6,360,416.5	1,835,458.5	886.20				Average	
		point765	765	6,360,393.5	1,835,413.6	886.80				Average	
		point766	766	6,360,375.5	1,835,366.8	887.00				Average	
		point767	767	6,360,368.0	1,835,342.8	887.20				Average	
		point768	768	6,360,354.5	1,835,294.0	886.60				Average	
		point769	769	6,360,341.5	1,835,245.4	885.90				Average	
		point770	770	6,360,328.0	1,835,196.6	885.00				Average	
		point771	771	6,360,314.5	1,835,148.0	884.00				Average	
		point772	772	6,360,300.5	1,835,099.4	883.20				Average	
		point773	773	6,360,285.0	1,835,051.4	882.50				Average	
		point774	774	6,360,269.0	1,835,003.5	882.20				Average	
		point775	775	6,360,253.0	1,834,955.5	882.50				Average	
		point776	776	6,360,237.0	1,834,907.6	883.20				Average	
		point777	777	6,360,226.5	1,834,870.4	883.90				Average	
		point778	778	6,360,218.5	1,834,832.5	884.70				Average	
		point779	779	6,360,209.5	1,834,780.4	886.50				Average	
		point780	780	6,360,201.0	1,834,728.2	888.30				Average	
		point781	781	6,360,192.0	1,834,676.0	890.60				Average	
		point782	782	6,360,183.5	1,834,623.9	892.80				Average	
		point783	783	6,360,173.5	1,834,572.0	895.00				Average	
		point784	784	6,360,163.5	1,834,520.0	897.20				Average	
		point785	785	6,360,153.5	1,834,468.1	899.50				Average	
		point786	786	6,360,144.0	1,834,416.1	901.70				Average	
		point787	787	6,360,134.0	1,834,364.2	904.00				Average	
		point788	788	6,360,127.0	1,834,312.8	906.20				Average	
		point789	789	6,360,125.0	1,834,261.0	908.30				Average	
		point790	790	6,360,129.0	1,834,209.2	909.70				Average	
		point791	791	6,360,138.0	1,834,158.1	910.90				Average	

		point792	792	6,360,152.0	1,834,108.2	912.20				Average	
		point793	793	6,360,171.5	1,834,060.1	912.80				Average	
		point794	794	6,360,474.5	1,833,407.5	907.20				Average	
		point795	795	6,360,484.5	1,833,386.6	907.10				Average	
		point796	796	6,360,508.0	1,833,346.5	906.90				Average	
		point797	797	6,360,535.0	1,833,308.6	906.70					
Proctor Valley Road - Ent 8 to Melody	40.0	point876	876	6,362,537.5	1,836,340.0	910.00				Average	
		point877	877	6,362,460.5	1,836,102.2	904.00				Average	
		point878	878	6,361,350.0	1,836,103.2	904.20				Average	
		point879	879	6,361,272.5	1,836,104.5	901.80				Average	
		point880	880	6,361,198.5	1,836,106.0	901.10				Average	
		point450	450	6,361,196.5	1,836,105.6	901.10				Average	
		point452	452	6,361,145.0	1,836,103.8	900.90				Average	
		point746	746	6,361,094.0	1,836,096.6	901.80				Average	
		point747	747	6,361,044.0	1,836,084.2	901.90				Average	
		point748	748	6,360,995.5	1,836,066.8	902.00				Average	
		point749	749	6,360,949.0	1,836,044.4	902.10				Average	
		point750	750	6,360,905.0	1,836,017.4	902.20				Average	
		point751	751	6,360,864.5	1,835,986.0	901.00				Average	
		point752	752	6,360,817.5	1,835,945.9	899.60				Average	
		point753	753	6,360,770.5	1,835,905.8	897.60				Average	
		point754	754	6,360,723.5	1,835,865.8	894.90				Average	
		point755	755	6,360,705.0	1,835,849.5	893.80				Average	
		point756	756	6,360,671.5	1,835,814.6	891.70				Average	
		point757	757	6,360,641.5	1,835,776.6	889.60				Average	
		point758	758	6,360,608.5	1,835,730.6	888.20				Average	
		point759	759	6,360,575.5	1,835,684.6	887.30				Average	
		point760	760	6,360,542.5	1,835,638.8	886.50				Average	
		point761	761	6,360,509.5	1,835,592.8	885.50				Average	
		point762	762	6,360,476.5	1,835,546.8	884.80					
Proctor Valley Road - Proj Ent 6 to 7	60.0	point892	892	6,360,535.0	1,833,308.6	906.70				Average	
		point798	798	6,360,565.5	1,833,273.4	906.00				Average	
		point799	799	6,360,677.0	1,833,156.2	901.10				Average	
		point800	800	6,360,710.0	1,833,117.9	899.00				Average	
		point801	801	6,360,739.0	1,833,076.4	896.70				Average	
		point802	802	6,360,763.5	1,833,032.1	894.50				Average	
		point803	803	6,360,783.5	1,832,985.6	892.30				Average	
		point804	804	6,360,798.5	1,832,937.2	890.50				Average	
		point805	805	6,360,809.0	1,832,887.8	888.80				Average	

		point806	806	6,360,814.0	1,832,837.4	888.30				Average	
		point807	807	6,360,814.0	1,832,786.8	887.80				Average	
		point808	808	6,360,809.0	1,832,736.4	887.20				Average	
		point809	809	6,360,799.0	1,832,686.8	886.80				Average	
		point810	810	6,360,784.0	1,832,638.5	887.60				Average	
		point811	811	6,360,722.5	1,832,472.2	893.10				Average	
		point812	812	6,360,714.5	1,832,452.8	894.00				Average	
		point813	813	6,360,706.0	1,832,433.5	894.90				Average	
		point814	814	6,360,697.0	1,832,414.6	895.70				Average	
		point815	815	6,360,686.5	1,832,396.1	896.60				Average	
		point816	816	6,360,676.0	1,832,378.1	897.60				Average	
		point817	817	6,360,664.0	1,832,360.6	898.70				Average	
		point818	818	6,360,652.0	1,832,343.5	900.40				Average	
		point819	819	6,360,639.0	1,832,327.0	898.00				Average	
		point820	820	6,360,469.5	1,832,122.2	908.10				Average	
		point821	821	6,360,452.5	1,832,102.6	908.40				Average	
		point822	822	6,360,435.0	1,832,083.8	908.80				Average	
		point823	823	6,360,416.5	1,832,065.6	909.10				Average	
		point824	824	6,360,397.0	1,832,048.4	909.50				Average	
		point825	825	6,360,377.0	1,832,032.0	909.80				Average	
		point826	826	6,360,356.0	1,832,016.5	910.10				Average	
		point827	827	6,360,335.0	1,832,001.9	910.20				Average	
		point828	828	6,360,313.0	1,831,988.1	910.00				Average	
		point829	829	6,360,290.0	1,831,975.4	909.80				Average	
		point830	830	6,360,267.0	1,831,963.8	909.60				Average	
		point831	831	6,359,717.0	1,831,699.0	876.40				Average	
		point832	832	6,359,693.5	1,831,686.6	874.40				Average	
		point833	833	6,359,671.0	1,831,672.4	872.30				Average	
		point834	834	6,359,649.5	1,831,656.5	870.30				Average	
		point835	835	6,359,629.5	1,831,639.1	868.20				Average	
		point836	836	6,359,611.0	1,831,620.2	866.20				Average	
		point837	837	6,359,593.5	1,831,599.9	864.10				Average	
		point838	838	6,359,578.0	1,831,578.4	862.00				Average	
		point839	839	6,359,564.0	1,831,555.8	860.00				Average	
		point840	840	6,359,552.0	1,831,532.1	857.80				Average	
		point841	841	6,359,541.5	1,831,507.6	855.00				Average	
		point842	842	6,359,533.0	1,831,482.4	852.40				Average	
		point843	843	6,359,526.5	1,831,456.6	851.00				Average	
		point453	453	6,359,522.0	1,831,430.4	849.50				Average	

		point454	454	6,359,519.5	1,831,403.9	847.60				Average	
		point455	455	6,359,519.0	1,831,377.2	845.70				Average	
		point456	456	6,359,519.0	1,831,350.9	844.60				Average	
		point457	457	6,359,521.0	1,831,249.5	840.40				Average	
		point458	458	6,359,521.5	1,831,199.2	838.00				Average	
		point459	459	6,359,520.5	1,831,149.0	836.90				Average	
		point460	460	6,359,518.0	1,831,098.8	836.00					
Proctor Valley Rd - Ent 8 to Melody	40.0	point894	894	6,360,868.0	1,834,920.0	908.80				Average	
		point865	865	6,360,849.0	1,834,975.9	905.90				Average	
		point866	866	6,360,820.5	1,835,031.9	902.60				Average	
		point867	867	6,360,794.0	1,835,089.8	899.20				Average	
		point868	868	6,360,762.5	1,835,145.4	896.00				Average	
		point869	869	6,360,662.0	1,835,308.8	889.20				Average	
		point870	870	6,360,643.0	1,835,337.8	888.10				Average	
		point871	871	6,360,622.5	1,835,365.6	887.30				Average	
		point872	872	6,360,591.0	1,835,402.4	886.40				Average	
		point873	873	6,360,556.5	1,835,436.6	885.70				Average	
		point874	874	6,360,529.5	1,835,460.1	885.40				Average	
		point875	875	6,360,503.5	1,835,480.4	885.10				Average	
		point846	846	6,360,457.0	1,835,513.6	884.50					

Dudek **12 Septembe**
M Greene **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: **8207**
RUN: **Oty Rnch V4 PrctrVlly Ex w ProjRev 0817**

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	60	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	220	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	250	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	1750	97	45	2	45	0	0	1	45	0	0
	point387	387	1750	97	45	2	45	0	0	1	45	0	0
	point445	445	1750	97	45	2	45	0	0	1	45	0	0
	point444	444	1750	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	2340	97	45	2	45	0	0	1	45	0	0
	point434	434	2340	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	2740	97	45	2	45	0	0	1	45	0	0
	point392	392	2740	97	45	2	45	0	0	1	45	0	0
	point430	430	2740	97	45	2	45	0	0	1	45	0	0
	point431	431	2740	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	1120	97	40	2	40	0	0	1	40	0	0
	point428	428	1120	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	940	97	45	2	45	0	0	1	45	0	0

	point423	423	940	97	45	2	45	0	0	1	45	0	0
	point424	424	940	97	45	2	45	0	0	1	45	0	0
	point426	426	940	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	2680	97	45	2	45	0	0	1	45	0	0
	point429	429	2680	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	190	97	45	2	45	0	0	1	45	0	0
	point446	446	190	97	45	2	45	0	0	1	45	0	0
	point447	447	190	97	45	2	45	0	0	1	45	0	0
	point448	448	190	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	890	97	45	2	45	0	0	1	45	0	0
	point437	437	890	97	45	2	45	0	0	1	45	0	0
	point435	435	890	97	45	2	45	0	0	1	45	0	0
	point436	436	890	97	45	2	45	0	0	1	45	0	0
	point406	406	890	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1230	97	45	2	45	0	0	1	45	0	0
	point438	438	1230	97	45	2	45	0	0	1	45	0	0
	point439	439	1230	97	45	2	45	0	0	1	45	0	0
	point440	440	1230	97	45	2	45	0	0	1	45	0	0
	point409	409	1230	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	240	97	50	2	50	0	0	1	50	0	0
	point412	412	240	97	50	2	50	0	0	1	50	0	0
	point441	441	240	97	50	2	50	0	0	1	50	0	0
	point442	442	240	97	50	2	50	0	0	1	50	0	0
	point443	443	240	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1140	97	40	2	40	0	0	1	40	0	0
	point433	433	1140	97	40	2	40	0	0	1	40	0	0
	point432	432	1140	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	280	97	40	2	40	0	0	1	40	0	0
	point449	449	280	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Rd - Ent 7 to Ent 8	point845	845	120	97	45	2	45	0	0	1	45	0	0
	point847	847	120	97	45	2	45	0	0	1	45	0	0
	point848	848	120	97	45	2	45	0	0	1	45	0	0
	point849	849	120	97	45	2	45	0	0	1	45	0	0
	point850	850	120	97	45	2	45	0	0	1	45	0	0
	point851	851	120	97	45	2	45	0	0	1	45	0	0
	point852	852	120	97	45	2	45	0	0	1	45	0	0
	point853	853	120	97	45	2	45	0	0	1	45	0	0
	point854	854	120	97	45	2	45	0	0	1	45	0	0
	point855	855	120	97	45	2	45	0	0	1	45	0	0
	point856	856	120	97	45	2	45	0	0	1	45	0	0
	point857	857	120	97	45	2	45	0	0	1	45	0	0
	point858	858	120	97	45	2	45	0	0	1	45	0	0
	point859	859	120	97	45	2	45	0	0	1	45	0	0
	point860	860	120	97	45	2	45	0	0	1	45	0	0
	point861	861	120	97	45	2	45	0	0	1	45	0	0
	point862	862	120	97	45	2	45	0	0	1	45	0	0
	point863	863	120	97	45	2	45	0	0	1	45	0	0
	point864	864	120	97	45	2	45	0	0	1	45	0	0
	point893	893											
Proctor Valley Road - Ent 8 to Melody	point881	881	70	97	45	2	45	0	0	1	45	0	0
	point882	882	70	97	45	2	45	0	0	1	45	0	0
	point883	883											
Proctor Valley Road - Proj Ent 1 to Chula	point884	884	1210	97	45	2	45	0	0	1	45	0	0
	point602	602	1210	97	45	2	45	0	0	1	45	0	0
	point603	603	1210	97	45	2	45	0	0	1	45	0	0
	point604	604	1210	97	45	2	45	0	0	1	45	0	0
	point605	605	1210	97	45	2	45	0	0	1	45	0	0
	point606	606	1210	97	45	2	45	0	0	1	45	0	0
	point607	607	1210	97	45	2	45	0	0	1	45	0	0
	point608	608	1210	97	45	2	45	0	0	1	45	0	0
	point609	609	1210	97	45	2	45	0	0	1	45	0	0
	point610	610	1210	97	45	2	45	0	0	1	45	0	0
	point611	611	1210	97	45	2	45	0	0	1	45	0	0
	point612	612	1210	97	45	2	45	0	0	1	45	0	0

	point613	613	1210	97	45	2	45	0	0	1	45	0	0
	point614	614	1210	97	45	2	45	0	0	1	45	0	0
	point615	615	1210	97	45	2	45	0	0	1	45	0	0
	point616	616	1210	97	45	2	45	0	0	1	45	0	0
	point617	617	1210	97	45	2	45	0	0	1	45	0	0
	point618	618	1210	97	45	2	45	0	0	1	45	0	0
	point619	619	1210	97	45	2	45	0	0	1	45	0	0
	point620	620	1210	97	45	2	45	0	0	1	45	0	0
	point621	621	1210	97	45	2	45	0	0	1	45	0	0
	point622	622	1210	97	45	2	45	0	0	1	45	0	0
	point623	623	1210	97	45	2	45	0	0	1	45	0	0
	point624	624	1210	97	45	2	45	0	0	1	45	0	0
	point625	625	1210	97	45	2	45	0	0	1	45	0	0
	point626	626	1210	97	45	2	45	0	0	1	45	0	0
	point627	627	1210	97	45	2	45	0	0	1	45	0	0
	point628	628	1210	97	45	2	45	0	0	1	45	0	0
	point629	629	1210	97	45	2	45	0	0	1	45	0	0
	point630	630	1210	97	45	2	45	0	0	1	45	0	0
	point631	631	1210	97	45	2	45	0	0	1	45	0	0
	point632	632	1210	97	45	2	45	0	0	1	45	0	0
	point633	633	1210	97	45	2	45	0	0	1	45	0	0
	point634	634	1210	97	45	2	45	0	0	1	45	0	0
	point635	635	1210	97	45	2	45	0	0	1	45	0	0
	point636	636	1210	97	45	2	45	0	0	1	45	0	0
	point637	637	1210	97	45	2	45	0	0	1	45	0	0
	point638	638	1210	97	45	2	45	0	0	1	45	0	0
	point639	639	1210	97	45	2	45	0	0	1	45	0	0
	point640	640	1210	97	45	2	45	0	0	1	45	0	0
	point641	641	1210	97	45	2	45	0	0	1	45	0	0
	point642	642	1210	97	45	2	45	0	0	1	45	0	0
	point643	643	1210	97	45	2	45	0	0	1	45	0	0
	point644	644	1210	97	45	2	45	0	0	1	45	0	0
	point645	645	1210	97	45	2	45	0	0	1	45	0	0
	point646	646	1210	97	45	2	45	0	0	1	45	0	0
	point647	647	1210	97	45	2	45	0	0	1	45	0	0
	point648	648	1210	97	45	2	45	0	0	1	45	0	0

	point649	649	1210	97	45	2	45	0	0	1	45	0	0
	point650	650	1210	97	45	2	45	0	0	1	45	0	0
	point651	651	1210	97	45	2	45	0	0	1	45	0	0
	point652	652	1210	97	45	2	45	0	0	1	45	0	0
	point653	653	1210	97	45	2	45	0	0	1	45	0	0
	point654	654	1210	97	45	2	45	0	0	1	45	0	0
	point655	655	1210	97	45	2	45	0	0	1	45	0	0
	point656	656	1210	97	45	2	45	0	0	1	45	0	0
	point657	657	1210	97	45	2	45	0	0	1	45	0	0
	point658	658	1210	97	45	2	45	0	0	1	45	0	0
	point659	659	1210	97	45	2	45	0	0	1	45	0	0
	point660	660	1210	97	45	2	45	0	0	1	45	0	0
	point661	661	1210	97	45	2	45	0	0	1	45	0	0
	point662	662	1210	97	45	2	45	0	0	1	45	0	0
	point663	663	1210	97	45	2	45	0	0	1	45	0	0
	point664	664	1210	97	45	2	45	0	0	1	45	0	0
	point665	665	1210	97	45	2	45	0	0	1	45	0	0
	point666	666	1210	97	45	2	45	0	0	1	45	0	0
	point667	667	1210	97	45	2	45	0	0	1	45	0	0
	point668	668	1210	97	45	2	45	0	0	1	45	0	0
	point669	669	1210	97	45	2	45	0	0	1	45	0	0
	point670	670	1210	97	45	2	45	0	0	1	45	0	0
	point671	671	1210	97	45	2	45	0	0	1	45	0	0
	point672	672	1210	97	45	2	45	0	0	1	45	0	0
	point673	673	1210	97	45	2	45	0	0	1	45	0	0
	point674	674	1210	97	45	2	45	0	0	1	45	0	0
	point675	675	1210	97	45	2	45	0	0	1	45	0	0
	point676	676	1210	97	45	2	45	0	0	1	45	0	0
	point677	677	1210	97	45	2	45	0	0	1	45	0	0
	point678	678	1210	97	45	2	45	0	0	1	45	0	0
	point679	679	1210	97	45	2	45	0	0	1	45	0	0
	point680	680	1210	97	45	2	45	0	0	1	45	0	0
	point681	681	1210	97	45	2	45	0	0	1	45	0	0
	point682	682	1210	97	45	2	45	0	0	1	45	0	0
	point683	683	1210	97	45	2	45	0	0	1	45	0	0
	point684	684	1210	97	45	2	45	0	0	1	45	0	0

	point685	685	1210	97	45	2	45	0	0	1	45	0	0
	point686	686	1210	97	45	2	45	0	0	1	45	0	0
	point687	687	1210	97	45	2	45	0	0	1	45	0	0
	point688	688	1210	97	45	2	45	0	0	1	45	0	0
	point689	689	1210	97	45	2	45	0	0	1	45	0	0
	point690	690	1210	97	45	2	45	0	0	1	45	0	0
	point691	691	1210	97	45	2	45	0	0	1	45	0	0
	point692	692	1210	97	45	2	45	0	0	1	45	0	0
	point693	693	1210	97	45	2	45	0	0	1	45	0	0
	point694	694	1210	97	45	2	45	0	0	1	45	0	0
	point695	695	1210	97	45	2	45	0	0	1	45	0	0
	point696	696	1210	97	45	2	45	0	0	1	45	0	0
	point697	697	1210	97	45	2	45	0	0	1	45	0	0
	point698	698	1210	97	45	2	45	0	0	1	45	0	0
	point699	699	1210	97	45	2	45	0	0	1	45	0	0
	point700	700	1210	97	45	2	45	0	0	1	45	0	0
	point701	701	1210	97	45	2	45	0	0	1	45	0	0
	point702	702	1210	97	45	2	45	0	0	1	45	0	0
	point703	703	1210	97	45	2	45	0	0	1	45	0	0
	point704	704	1210	97	45	2	45	0	0	1	45	0	0
	point705	705	1210	97	45	2	45	0	0	1	45	0	0
	point706	706	1210	97	45	2	45	0	0	1	45	0	0
	point707	707	1210	97	45	2	45	0	0	1	45	0	0
	point708	708	1210	97	45	2	45	0	0	1	45	0	0
	point709	709	1210	97	45	2	45	0	0	1	45	0	0
	point710	710	1210	97	45	2	45	0	0	1	45	0	0
	point711	711	1210	97	45	2	45	0	0	1	45	0	0
	point712	712	1210	97	45	2	45	0	0	1	45	0	0
	point713	713	1210	97	45	2	45	0	0	1	45	0	0
	point714	714	1210	97	45	2	45	0	0	1	45	0	0
	point715	715	1210	97	45	2	45	0	0	1	45	0	0
	point716	716	1210	97	45	2	45	0	0	1	45	0	0
	point717	717											
Proctor Valley Road - Proj Ent 1 to 2	point886	886	1040	97	45	2	45	0	0	1	45	0	0
	point592	592	1040	97	45	2	45	0	0	1	45	0	0
	point593	593	1040	97	45	2	45	0	0	1	45	0	0

	point594	594	1040	97	45	2	45	0	0	1	45	0	0
	point595	595	1040	97	45	2	45	0	0	1	45	0	0
	point596	596	1040	97	45	2	45	0	0	1	45	0	0
	point597	597	1040	97	45	2	45	0	0	1	45	0	0
	point598	598	1040	97	45	2	45	0	0	1	45	0	0
	point599	599	1040	97	45	2	45	0	0	1	45	0	0
	point885	885	1040	97	45	2	45	0	0	1	45	0	0
	point601	601											
Proctor Valley Road - Proj Ent 2 to 3	point887	887	900	97	45	2	45	0	0	1	45	0	0
	point551	551	900	97	45	2	45	0	0	1	45	0	0
	point552	552	900	97	45	2	45	0	0	1	45	0	0
	point553	553	900	97	45	2	45	0	0	1	45	0	0
	point554	554	900	97	45	2	45	0	0	1	45	0	0
	point555	555	900	97	45	2	45	0	0	1	45	0	0
	point556	556	900	97	45	2	45	0	0	1	45	0	0
	point557	557	900	97	45	2	45	0	0	1	45	0	0
	point558	558	900	97	45	2	45	0	0	1	45	0	0
	point559	559	900	97	45	2	45	0	0	1	45	0	0
	point560	560	900	97	45	2	45	0	0	1	45	0	0
	point561	561	900	97	45	2	45	0	0	1	45	0	0
	point562	562	900	97	45	2	45	0	0	1	45	0	0
	point563	563	900	97	45	2	45	0	0	1	45	0	0
	point564	564	900	97	45	2	45	0	0	1	45	0	0
	point565	565	900	97	45	2	45	0	0	1	45	0	0
	point566	566	900	97	45	2	45	0	0	1	45	0	0
	point567	567	900	97	45	2	45	0	0	1	45	0	0
	point568	568	900	97	45	2	45	0	0	1	45	0	0
	point569	569	900	97	45	2	45	0	0	1	45	0	0
	point570	570	900	97	45	2	45	0	0	1	45	0	0
	point571	571	900	97	45	2	45	0	0	1	45	0	0
	point572	572	900	97	45	2	45	0	0	1	45	0	0
	point573	573	900	97	45	2	45	0	0	1	45	0	0
	point574	574	900	97	45	2	45	0	0	1	45	0	0
	point575	575	900	97	45	2	45	0	0	1	45	0	0
	point576	576	900	97	45	2	45	0	0	1	45	0	0
	point577	577	900	97	45	2	45	0	0	1	45	0	0

	point578	578	900	97	45	2	45	0	0	1	45	0	0
	point579	579	900	97	45	2	45	0	0	1	45	0	0
	point580	580	900	97	45	2	45	0	0	1	45	0	0
	point581	581	900	97	45	2	45	0	0	1	45	0	0
	point582	582	900	97	45	2	45	0	0	1	45	0	0
	point583	583	900	97	45	2	45	0	0	1	45	0	0
	point584	584	900	97	45	2	45	0	0	1	45	0	0
	point585	585	900	97	45	2	45	0	0	1	45	0	0
	point586	586	900	97	45	2	45	0	0	1	45	0	0
	point587	587	900	97	45	2	45	0	0	1	45	0	0
	point588	588	900	97	45	2	45	0	0	1	45	0	0
	point589	589	900	97	45	2	45	0	0	1	45	0	0
	point590	590	900	97	45	2	45	0	0	1	45	0	0
	point591	591											
Proctor Valley Road - Proj Ent 3 to 4	point888	888	890	97	45	2	45	0	0	1	45	0	0
	point533	533	890	97	45	2	45	0	0	1	45	0	0
	point534	534	890	97	45	2	45	0	0	1	45	0	0
	point535	535	890	97	45	2	45	0	0	1	45	0	0
	point536	536	890	97	45	2	45	0	0	1	45	0	0
	point537	537	890	97	45	2	45	0	0	1	45	0	0
	point538	538	890	97	45	2	45	0	0	1	45	0	0
	point539	539	890	97	45	2	45	0	0	1	45	0	0
	point540	540	890	97	45	2	45	0	0	1	45	0	0
	point541	541	890	97	45	2	45	0	0	1	45	0	0
	point542	542	890	97	45	2	45	0	0	1	45	0	0
	point543	543	890	97	45	2	45	0	0	1	45	0	0
	point544	544	890	97	45	2	45	0	0	1	45	0	0
	point545	545	890	97	45	2	45	0	0	1	45	0	0
	point546	546	890	97	45	2	45	0	0	1	45	0	0
	point547	547	890	97	45	2	45	0	0	1	45	0	0
	point548	548	890	97	45	2	45	0	0	1	45	0	0
	point549	549	890	97	45	2	45	0	0	1	45	0	0
	point550	550											
Proctor Valley Road - Proj Ent 4 to 5	point889	889	280	97	45	2	45	0	0	1	45	0	0
	point485	485	280	97	45	2	45	0	0	1	45	0	0
	point486	486	280	97	45	2	45	0	0	1	45	0	0

	point487	487	280	97	45	2	45	0	0	1	45	0	0
	point488	488	280	97	45	2	45	0	0	1	45	0	0
	point489	489	280	97	45	2	45	0	0	1	45	0	0
	point490	490	280	97	45	2	45	0	0	1	45	0	0
	point491	491	280	97	45	2	45	0	0	1	45	0	0
	point492	492	280	97	45	2	45	0	0	1	45	0	0
	point493	493	280	97	45	2	45	0	0	1	45	0	0
	point494	494	280	97	45	2	45	0	0	1	45	0	0
	point495	495	280	97	45	2	45	0	0	1	45	0	0
	point496	496	280	97	45	2	45	0	0	1	45	0	0
	point497	497	280	97	45	2	45	0	0	1	45	0	0
	point498	498	280	97	45	2	45	0	0	1	45	0	0
	point499	499	280	97	45	2	45	0	0	1	45	0	0
	point500	500	280	97	45	2	45	0	0	1	45	0	0
	point501	501	280	97	45	2	45	0	0	1	45	0	0
	point502	502	280	97	45	2	45	0	0	1	45	0	0
	point503	503	280	97	45	2	45	0	0	1	45	0	0
	point504	504	280	97	45	2	45	0	0	1	45	0	0
	point505	505	280	97	45	2	45	0	0	1	45	0	0
	point506	506	280	97	45	2	45	0	0	1	45	0	0
	point507	507	280	97	45	2	45	0	0	1	45	0	0
	point508	508	280	97	45	2	45	0	0	1	45	0	0
	point509	509	280	97	45	2	45	0	0	1	45	0	0
	point510	510	280	97	45	2	45	0	0	1	45	0	0
	point511	511	280	97	45	2	45	0	0	1	45	0	0
	point512	512	280	97	45	2	45	0	0	1	45	0	0
	point513	513	280	97	45	2	45	0	0	1	45	0	0
	point514	514	280	97	45	2	45	0	0	1	45	0	0
	point515	515	280	97	45	2	45	0	0	1	45	0	0
	point516	516	280	97	45	2	45	0	0	1	45	0	0
	point517	517	280	97	45	2	45	0	0	1	45	0	0
	point518	518	280	97	45	2	45	0	0	1	45	0	0
	point519	519	280	97	45	2	45	0	0	1	45	0	0
	point520	520	280	97	45	2	45	0	0	1	45	0	0
	point521	521	280	97	45	2	45	0	0	1	45	0	0
	point522	522	280	97	45	2	45	0	0	1	45	0	0

	point523	523	280	97	45	2	45	0	0	1	45	0	0
	point524	524	280	97	45	2	45	0	0	1	45	0	0
	point525	525	280	97	45	2	45	0	0	1	45	0	0
	point526	526	280	97	45	2	45	0	0	1	45	0	0
	point527	527	280	97	45	2	45	0	0	1	45	0	0
	point528	528	280	97	45	2	45	0	0	1	45	0	0
	point529	529	280	97	45	2	45	0	0	1	45	0	0
	point530	530	280	97	45	2	45	0	0	1	45	0	0
	point531	531	280	97	45	2	45	0	0	1	45	0	0
	point532	532											
Proctor Valley Road - Proj Ent 5 to 6	point890	890	180	97	45	2	45	0	0	1	45	0	0
	point461	461	180	97	45	2	45	0	0	1	45	0	0
	point462	462	180	97	45	2	45	0	0	1	45	0	0
	point463	463	180	97	45	2	45	0	0	1	45	0	0
	point464	464	180	97	45	2	45	0	0	1	45	0	0
	point465	465	180	97	45	2	45	0	0	1	45	0	0
	point466	466	180	97	45	2	45	0	0	1	45	0	0
	point467	467	180	97	45	2	45	0	0	1	45	0	0
	point468	468	180	97	45	2	45	0	0	1	45	0	0
	point469	469	180	97	45	2	45	0	0	1	45	0	0
	point470	470	180	97	45	2	45	0	0	1	45	0	0
	point471	471	180	97	45	2	45	0	0	1	45	0	0
	point472	472	180	97	45	2	45	0	0	1	45	0	0
	point473	473	180	97	45	2	45	0	0	1	45	0	0
	point474	474	180	97	45	2	45	0	0	1	45	0	0
	point475	475	180	97	45	2	45	0	0	1	45	0	0
	point476	476	180	97	45	2	45	0	0	1	45	0	0
	point477	477	180	97	45	2	45	0	0	1	45	0	0
	point478	478	180	97	45	2	45	0	0	1	45	0	0
	point479	479	180	97	45	2	45	0	0	1	45	0	0
	point480	480	180	97	45	2	45	0	0	1	45	0	0
	point481	481	180	97	45	2	45	0	0	1	45	0	0
	point482	482	180	97	45	2	45	0	0	1	45	0	0
	point483	483	180	97	45	2	45	0	0	1	45	0	0
	point484	484											
Proctor Valley Road - West Fork	point891	891	0	0	0	0	0	0	0	0	0	0	0

	point763	763	0	0	0	0	0	0	0	0	0	0	0
	point764	764	0	0	0	0	0	0	0	0	0	0	0
	point765	765	0	0	0	0	0	0	0	0	0	0	0
	point766	766	0	0	0	0	0	0	0	0	0	0	0
	point767	767	0	0	0	0	0	0	0	0	0	0	0
	point768	768	0	0	0	0	0	0	0	0	0	0	0
	point769	769	0	0	0	0	0	0	0	0	0	0	0
	point770	770	0	0	0	0	0	0	0	0	0	0	0
	point771	771	0	0	0	0	0	0	0	0	0	0	0
	point772	772	0	0	0	0	0	0	0	0	0	0	0
	point773	773	0	0	0	0	0	0	0	0	0	0	0
	point774	774	0	0	0	0	0	0	0	0	0	0	0
	point775	775	0	0	0	0	0	0	0	0	0	0	0
	point776	776	0	0	0	0	0	0	0	0	0	0	0
	point777	777	0	0	0	0	0	0	0	0	0	0	0
	point778	778	0	0	0	0	0	0	0	0	0	0	0
	point779	779	0	0	0	0	0	0	0	0	0	0	0
	point780	780	0	0	0	0	0	0	0	0	0	0	0
	point781	781	0	0	0	0	0	0	0	0	0	0	0
	point782	782	0	0	0	0	0	0	0	0	0	0	0
	point783	783	0	0	0	0	0	0	0	0	0	0	0
	point784	784	0	0	0	0	0	0	0	0	0	0	0
	point785	785	0	0	0	0	0	0	0	0	0	0	0
	point786	786	0	0	0	0	0	0	0	0	0	0	0
	point787	787	0	0	0	0	0	0	0	0	0	0	0
	point788	788	0	0	0	0	0	0	0	0	0	0	0
	point789	789	0	0	0	0	0	0	0	0	0	0	0
	point790	790	0	0	0	0	0	0	0	0	0	0	0
	point791	791	0	0	0	0	0	0	0	0	0	0	0
	point792	792	0	0	0	0	0	0	0	0	0	0	0
	point793	793	0	0	0	0	0	0	0	0	0	0	0
	point794	794	0	0	0	0	0	0	0	0	0	0	0
	point795	795	0	0	0	0	0	0	0	0	0	0	0
	point796	796	0	0	0	0	0	0	0	0	0	0	0
	point797	797											
Proctor Valley Road - Ent 8 to Melody	point876	876	70	97	45	2	45	0	0	1	45	0	0

	point877	877	70	97	45	2	45	0	0	1	45	0	0
	point878	878	70	97	45	2	45	0	0	1	45	0	0
	point879	879	70	97	45	2	45	0	0	1	45	0	0
	point880	880	70	97	45	2	45	0	0	1	45	0	0
	point450	450	70	97	45	2	45	0	0	1	45	0	0
	point452	452	70	97	45	2	45	0	0	1	45	0	0
	point746	746	70	97	45	2	45	0	0	1	45	0	0
	point747	747	70	97	45	2	45	0	0	1	45	0	0
	point748	748	70	97	45	2	45	0	0	1	45	0	0
	point749	749	70	97	45	2	45	0	0	1	45	0	0
	point750	750	70	97	45	2	45	0	0	1	45	0	0
	point751	751	70	97	45	2	45	0	0	1	45	0	0
	point752	752	70	97	45	2	45	0	0	1	45	0	0
	point753	753	70	97	45	2	45	0	0	1	45	0	0
	point754	754	70	97	45	2	45	0	0	1	45	0	0
	point755	755	70	97	45	2	45	0	0	1	45	0	0
	point756	756	70	97	45	2	45	0	0	1	45	0	0
	point757	757	70	97	45	2	45	0	0	1	45	0	0
	point758	758	70	97	45	2	45	0	0	1	45	0	0
	point759	759	70	97	45	2	45	0	0	1	45	0	0
	point760	760	70	97	45	2	45	0	0	1	45	0	0
	point761	761	70	97	45	2	45	0	0	1	45	0	0
	point762	762											
Proctor Valley Road - Proj Ent 6 to 7	point892	892	140	97	45	2	45	0	0	1	45	0	0
	point798	798	140	97	45	2	45	0	0	1	45	0	0
	point799	799	140	97	45	2	45	0	0	1	45	0	0
	point800	800	140	97	45	2	45	0	0	1	45	0	0
	point801	801	140	97	45	2	45	0	0	1	45	0	0
	point802	802	140	97	45	2	45	0	0	1	45	0	0
	point803	803	140	97	45	2	45	0	0	1	45	0	0
	point804	804	140	97	45	2	45	0	0	1	45	0	0
	point805	805	140	97	45	2	45	0	0	1	45	0	0
	point806	806	140	97	45	2	45	0	0	1	45	0	0
	point807	807	140	97	45	2	45	0	0	1	45	0	0
	point808	808	140	97	45	2	45	0	0	1	45	0	0
	point809	809	140	97	45	2	45	0	0	1	45	0	0

	point810	810	140	97	45	2	45	0	0	1	45	0	0
	point811	811	140	97	45	2	45	0	0	1	45	0	0
	point812	812	140	97	45	2	45	0	0	1	45	0	0
	point813	813	140	97	45	2	45	0	0	1	45	0	0
	point814	814	140	97	45	2	45	0	0	1	45	0	0
	point815	815	140	97	45	2	45	0	0	1	45	0	0
	point816	816	140	97	45	2	45	0	0	1	45	0	0
	point817	817	140	97	45	2	45	0	0	1	45	0	0
	point818	818	140	97	45	2	45	0	0	1	45	0	0
	point819	819	140	97	45	2	45	0	0	1	45	0	0
	point820	820	140	97	45	2	45	0	0	1	45	0	0
	point821	821	140	97	45	2	45	0	0	1	45	0	0
	point822	822	140	97	45	2	45	0	0	1	45	0	0
	point823	823	140	97	45	2	45	0	0	1	45	0	0
	point824	824	140	97	45	2	45	0	0	1	45	0	0
	point825	825	140	97	45	2	45	0	0	1	45	0	0
	point826	826	140	97	45	2	45	0	0	1	45	0	0
	point827	827	140	97	45	2	45	0	0	1	45	0	0
	point828	828	140	97	45	2	45	0	0	1	45	0	0
	point829	829	140	97	45	2	45	0	0	1	45	0	0
	point830	830	140	97	45	2	45	0	0	1	45	0	0
	point831	831	140	97	45	2	45	0	0	1	45	0	0
	point832	832	140	97	45	2	45	0	0	1	45	0	0
	point833	833	140	97	45	2	45	0	0	1	45	0	0
	point834	834	140	97	45	2	45	0	0	1	45	0	0
	point835	835	140	97	45	2	45	0	0	1	45	0	0
	point836	836	140	97	45	2	45	0	0	1	45	0	0
	point837	837	140	97	45	2	45	0	0	1	45	0	0
	point838	838	140	97	45	2	45	0	0	1	45	0	0
	point839	839	140	97	45	2	45	0	0	1	45	0	0
	point840	840	140	97	45	2	45	0	0	1	45	0	0
	point841	841	140	97	45	2	45	0	0	1	45	0	0
	point842	842	140	97	45	2	45	0	0	1	45	0	0
	point843	843	140	97	45	2	45	0	0	1	45	0	0
	point453	453	140	97	45	2	45	0	0	1	45	0	0
	point454	454	140	97	45	2	45	0	0	1	45	0	0

	point455	455	140	97	45	2	45	0	0	1	45	0	0
	point456	456	140	97	45	2	45	0	0	1	45	0	0
	point457	457	140	97	45	2	45	0	0	1	45	0	0
	point458	458	140	97	45	2	45	0	0	1	45	0	0
	point459	459	140	97	45	2	45	0	0	1	45	0	0
	point460	460											
Proctor Valley Rd - Ent 8 to Melody	point894	894	70	97	45	2	45	0	0	1	45	0	0
	point865	865	70	97	45	2	45	0	0	1	45	0	0
	point866	866	70	97	45	2	45	0	0	1	45	0	0
	point867	867	70	97	45	2	45	0	0	1	45	0	0
	point868	868	70	97	45	2	45	0	0	1	45	0	0
	point869	869	70	97	45	2	45	0	0	1	45	0	0
	point870	870	70	97	45	2	45	0	0	1	45	0	0
	point871	871	70	97	45	2	45	0	0	1	45	0	0
	point872	872	70	97	45	2	45	0	0	1	45	0	0
	point873	873	70	97	45	2	45	0	0	1	45	0	0
	point874	874	70	97	45	2	45	0	0	1	45	0	0
	point875	875	70	97	45	2	45	0	0	1	45	0	0
	point846	846											

Dudek 12 September 2017
M Greene TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: Oty Rnch V4 PrctrVlly Ex w ProjRev 0817

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	1.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	1.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	1.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	1.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	1.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	1.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	1.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	1.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	1.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	1.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	1.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	1.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	1.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	1.0	8.0	
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	1.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	1.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	1.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	1.0	8.0	
R19 P-1	100	1	6,354,456.5	1,823,499.0	607.00	5.00	0.00	65	1.0	8.0	
R20 R-4 southwest side	101	1	6,354,558.0	1,823,693.1	611.50	5.00	0.00	60	1.0	8.0	
R21 R-4 west side	102	1	6,354,724.0	1,823,907.5	614.00	5.00	0.00	60	1.0	8.0	
R22 R-4 northwest side	103	1	6,354,895.0	1,824,260.4	617.50	5.00	0.00	60	1.0	8.0	

R23 R-5 Lot 10 southwest side	104	1	6,356,039.0	1,826,086.0	666.00	5.00	0.00	60	1.0	8.0	
R24 R-5 Lot 5 west side	105	1	6,356,020.5	1,826,361.2	660.40	5.00	0.00	60	1.0	8.0	
R25 R-5 PPP-1 northwest side	106	1	6,356,118.5	1,826,646.5	652.00	5.00	0.00	65	1.0	8.0	
R26 R-12 Park south side	107	1	6,355,945.5	1,827,033.9	655.00	5.00	0.00	65	1.0	8.0	
R27 S-1 School southwest side	108	1	6,356,228.5	1,826,927.2	654.00	5.00	0.00	65	1.0	8.0	
R28 R-12 Park north side	109	1	6,356,079.0	1,827,190.6	657.00	5.00	0.00	65	1.0	8.0	
R29 S-1 School west side	110	1	6,356,557.0	1,827,223.8	669.00	5.00	0.00	65	1.0	8.0	
R30 S-1 School northwest side	111	1	6,356,790.5	1,827,436.0	679.00	5.00	0.00	65	1.0	8.0	
R31 P-2 park	112	1	6,356,626.5	1,827,662.9	695.50	5.00	0.00	65	1.0	8.0	
R32 MU-1	113	1	6,357,022.5	1,827,640.1	696.00	5.00	0.00	65	1.0	8.0	
R33 R-10 Lot 6	114	1	6,358,835.5	1,829,554.6	754.00	5.00	0.00	60	1.0	8.0	
R34 R-10 Lot 4	115	1	6,358,922.0	1,829,724.8	761.00	5.00	0.00	60	1.0	8.0	
R35 R-10 Lot 2	116	1	6,358,998.0	1,829,870.5	768.50	5.00	0.00	60	1.0	8.0	
R36 R-11 PP-4	117	1	6,359,091.0	1,830,099.8	769.50	5.00	0.00	65	1.0	8.0	
R37 R-11 Lot 54	118	1	6,359,253.0	1,830,336.1	794.00	5.00	0.00	60	1.0	8.0	
R38 R-11 Lot 58	119	1	6,359,394.0	1,830,700.5	821.00	5.00	0.00	60	1.0	8.0	
R39 R-11 Lot 61	120	1	6,359,453.0	1,831,009.2	837.50	5.00	0.00	60	1.0	8.0	
R40 R-11 Lot 1	121	1	6,359,450.0	1,831,202.1	844.00	5.00	0.00	60	1.0	8.0	
R41 R-11 Lot 4	122	1	6,359,450.5	1,831,470.0	864.00	5.00	0.00	60	1.0	8.0	
R42 R-11 Lot 6	123	1	6,359,446.0	1,831,682.4	877.50	5.00	0.00	60	1.0	8.0	
R43 R-11 Lot 8	124	1	6,359,465.0	1,831,973.5	895.50	5.00	0.00	60	1.0	8.0	
R44 R-14 Lot 64	125	1	6,361,053.0	1,833,915.5	944.80	5.00	0.00	60	1.0	8.0	
R45 R-14 Lot 28	126	1	6,360,942.0	1,834,076.0	945.00	5.00	0.00	60	1.0	8.0	
R46 R-14 open space	127	1	6,361,003.5	1,834,478.8	962.00	5.00	0.00	65	1.0	8.0	
R47 R-14 Lot 27	128	1	6,360,911.0	1,834,870.4	918.80	5.00	0.00	60	1.0	8.0	
R48 R-14 Lot 2	129	1	6,360,871.5	1,835,014.0	915.80	5.00	0.00	60	1.0	8.0	
R49 R-14 Lot 1	130	1	6,360,814.5	1,834,957.2	909.70	5.00	0.00	60	1.0	8.0	
R50 R-14 P-4	131	1	6,360,680.5	1,835,123.4	900.00	5.00	0.00	60	1.0	8.0	
R51 R-13 Lot 1	132	1	6,360,505.0	1,835,675.9	904.00	5.00	0.00	60	0.0	8.0	
R52 R-13 Lot 9	133	1	6,360,673.5	1,835,730.4	900.00	5.00	0.00	60	0.0	8.0	
R53 R-13 Lot 8	134	1	6,360,565.5	1,835,794.2	909.70	5.00	0.00	60	0.0	8.0	
R54 R-13 Lot 10	135	1	6,360,785.0	1,835,859.2	901.00	5.00	0.00	60	0.0	8.0	
R55 R-13 Lot 11	136	1	6,361,005.5	1,836,025.0	902.00	5.00	0.00	60	0.0	8.0	
R56 R-13 Lot 12	138	1	6,361,179.0	1,836,059.1	903.00	5.00	0.00	66	10.0	8.0	

Dudek
M Greene

12 September 2017
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: Oty Rnch V4 PrctrVlly Ex w ProjRev 0817

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 Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0			
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00						

Dudek			12 September 2017	
M Greene			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	8207			
RUN:	Oty Rnch V4 PrctrVlly Ex w ProjRev 0817			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line1	1	6,354,564.5	1,823,396.8	610.80
	3	6,354,548.5	1,823,432.6	610.00
	4	6,354,543.5	1,823,442.5	609.80
	5	6,354,537.0	1,823,451.4	609.60
	6	6,354,515.0	1,823,478.1	608.90
	7	6,354,486.0	1,823,511.4	608.00
	8	6,354,427.5	1,823,574.0	606.40
	9	6,354,424.5	1,823,575.9	606.40
	10	6,354,421.5	1,823,576.8	606.30
	11	6,354,418.5	1,823,576.6	606.30
	12	6,354,415.5	1,823,575.4	606.30
	13	6,354,413.5	1,823,573.1	606.40
	14	6,354,412.0	1,823,570.4	606.50
	15	6,354,411.5	1,823,567.2	606.60
	16	6,354,412.5	1,823,564.1	606.60
	17	6,354,421.0	1,823,544.8	607.10
	18	6,354,421.0	1,823,513.8	608.00
	19	6,354,423.5	1,823,421.2	610.00
	2	6,354,420.0	1,823,349.5	611.40
Terrain Line2	20	6,355,174.0	1,824,198.5	619.20
	22	6,355,172.5	1,824,203.5	619.20
	23	6,355,170.5	1,824,210.8	619.10
	24	6,355,166.5	1,824,218.2	619.10
	25	6,355,160.0	1,824,224.1	619.00

	26	6,355,152.5	1,824,228.2	619.00
	27	6,355,144.5	1,824,230.1	618.90
	28	6,355,137.5	1,824,229.9	618.90
	29	6,355,045.5	1,824,227.4	618.40
	30	6,355,025.5	1,824,227.5	618.30
	31	6,355,009.5	1,824,229.5	618.20
	32	6,354,992.0	1,824,233.8	618.10
	33	6,354,979.5	1,824,238.4	618.00
	34	6,354,966.0	1,824,244.6	618.00
	35	6,354,899.5	1,824,277.1	617.80
	36	6,354,897.0	1,824,278.2	617.80
	37	6,354,893.0	1,824,279.4	617.70
	38	6,354,890.5	1,824,278.8	617.70
	39	6,354,888.0	1,824,277.1	617.70
	40	6,354,886.0	1,824,274.5	617.60
	41	6,354,884.5	1,824,270.5	617.60
	42	6,354,813.5	1,824,108.9	616.00
	43	6,354,783.0	1,824,038.8	615.20
	44	6,354,748.0	1,823,970.9	614.50
	45	6,354,722.0	1,823,927.8	614.00
	46	6,354,693.0	1,823,886.9	613.50
	47	6,354,661.5	1,823,848.0	613.00
	48	6,354,598.0	1,823,770.5	612.00
	49	6,354,582.5	1,823,750.9	611.80
	50	6,354,566.5	1,823,731.9	611.50
	51	6,354,548.0	1,823,711.9	611.30
	52	6,354,537.5	1,823,689.5	611.00
	53	6,354,536.5	1,823,685.9	611.00
	54	6,354,536.5	1,823,681.6	611.00
	55	6,354,537.0	1,823,676.5	610.90
	56	6,354,537.5	1,823,672.2	610.90
	57	6,354,539.0	1,823,666.0	610.80
	58	6,354,541.5	1,823,659.2	610.80
	59	6,354,543.0	1,823,655.5	610.70
	60	6,354,544.5	1,823,649.8	610.70
	61	6,354,545.5	1,823,643.8	610.60

	62	6,354,545.0	1,823,637.8	610.60
	63	6,354,544.5	1,823,633.9	610.50
	64	6,354,556.5	1,823,619.4	610.50
	65	6,354,582.5	1,823,582.4	610.50
	66	6,354,607.0	1,823,541.9	610.40
	67	6,354,619.0	1,823,514.5	610.40
	21	6,354,628.5	1,823,485.5	610.40
Terrain Line3	68	6,356,143.5	1,826,709.6	650.00
	70	6,356,049.5	1,826,741.2	649.90
	71	6,356,031.5	1,826,731.5	649.80
	72	6,356,015.5	1,826,623.4	654.70
	73	6,356,007.5	1,826,565.6	654.70
	74	6,356,007.5	1,826,564.6	656.20
	75	6,356,003.5	1,826,508.1	656.20
	76	6,356,003.5	1,826,504.0	657.70
	77	6,356,002.0	1,826,448.1	657.70
	78	6,356,006.0	1,826,443.6	659.10
	79	6,356,005.5	1,826,390.1	659.10
	80	6,356,010.0	1,826,384.9	660.40
	81	6,356,009.0	1,826,335.2	660.40
	82	6,356,013.5	1,826,330.0	661.70
	83	6,356,013.0	1,826,280.4	661.70
	84	6,356,015.5	1,826,275.0	663.00
	85	6,356,015.0	1,826,225.4	663.00
	86	6,356,017.0	1,826,220.0	664.20
	87	6,356,016.0	1,826,170.0	664.20
	88	6,356,018.0	1,826,165.1	665.40
	89	6,356,017.0	1,826,115.2	665.40
	90	6,356,025.0	1,826,110.8	666.60
	91	6,356,024.5	1,826,060.8	666.60
	92	6,356,029.5	1,826,053.6	669.30
	93	6,356,028.5	1,826,004.6	669.30
	94	6,356,025.0	1,826,002.6	670.00
	95	6,356,034.0	1,825,924.8	670.00
	96	6,356,049.5	1,825,870.1	670.00
	97	6,356,066.0	1,825,831.0	670.00

	98	6,356,085.5	1,825,796.2	670.00
	99	6,356,097.0	1,825,787.4	670.00
	100	6,356,111.0	1,825,785.0	670.00
	69	6,356,180.5	1,825,789.4	670.00
Terrain Line4	101	6,356,906.0	1,827,372.1	680.60
	103	6,356,900.5	1,827,382.2	680.70
	104	6,356,896.0	1,827,395.8	680.90
	105	6,356,894.0	1,827,409.9	681.00
	106	6,356,894.0	1,827,424.1	681.20
	107	6,356,895.0	1,827,429.8	681.20
	108	6,356,896.5	1,827,437.9	681.30
	109	6,356,896.5	1,827,440.2	681.40
	110	6,356,894.0	1,827,445.1	681.40
	111	6,356,847.0	1,827,504.2	681.40
	112	6,356,836.0	1,827,508.4	681.20
	113	6,356,832.5	1,827,510.6	681.20
	114	6,356,826.0	1,827,516.6	681.00
	115	6,356,815.5	1,827,525.6	680.80
	116	6,356,807.0	1,827,531.5	680.60
	117	6,356,802.0	1,827,533.4	680.50
	118	6,356,795.0	1,827,533.6	680.40
	119	6,356,788.5	1,827,531.5	680.30
	120	6,356,784.0	1,827,528.2	680.20
	121	6,356,773.0	1,827,517.8	680.00
	122	6,356,757.0	1,827,502.6	679.30
	123	6,356,746.5	1,827,493.4	678.90
	124	6,356,729.0	1,827,479.5	678.30
	125	6,356,711.0	1,827,466.1	677.60
	126	6,356,675.0	1,827,441.4	676.30
	127	6,356,639.5	1,827,416.1	675.00
	128	6,356,596.5	1,827,382.9	673.40
	129	6,356,509.5	1,827,312.8	670.00
	130	6,356,380.5	1,827,208.6	665.00
	131	6,356,256.0	1,827,108.2	660.80
	132	6,356,232.0	1,827,090.5	660.00
	133	6,356,183.0	1,827,034.8	657.80

	134	6,356,129.0	1,826,958.0	655.00
	135	6,356,092.5	1,826,900.8	654.20
	136	6,356,085.0	1,826,884.5	654.00
	137	6,356,093.0	1,826,867.0	653.90
	102	6,356,115.0	1,826,854.8	653.70
Terrain Line5	138	6,355,957.0	1,826,917.9	654.70
	140	6,355,985.0	1,826,924.1	654.80
	141	6,356,017.0	1,826,937.2	655.10
	142	6,356,037.5	1,826,968.8	655.40
	143	6,356,087.0	1,827,045.1	656.00
	144	6,356,134.5	1,827,106.0	658.00
	145	6,356,190.0	1,827,176.5	660.50
	139	6,356,238.5	1,827,223.4	665.00
Terrain Line6	146	6,356,522.5	1,827,491.2	683.10
	148	6,356,542.0	1,827,507.1	684.00
	149	6,356,585.0	1,827,541.5	690.00
	150	6,356,594.0	1,827,550.4	694.10
	151	6,356,689.0	1,827,625.8	696.00
	152	6,356,717.5	1,827,648.9	696.60
	153	6,356,724.0	1,827,656.5	696.80
	154	6,356,725.5	1,827,665.8	697.00
	155	6,356,738.5	1,827,694.5	697.60
	156	6,356,753.0	1,827,713.5	698.00
	157	6,356,768.5	1,827,723.2	698.20
	158	6,356,790.0	1,827,733.1	698.40
	159	6,356,822.0	1,827,735.8	698.60
	160	6,356,847.5	1,827,732.5	698.90
	161	6,356,938.5	1,827,798.4	699.80
	162	6,356,947.5	1,827,793.2	702.00
	147	6,357,200.0	1,827,986.8	702.00
Terrain Line7	163	6,357,100.5	1,827,800.8	697.00
	165	6,356,920.5	1,827,667.9	696.60
	166	6,356,910.5	1,827,654.1	696.60
	167	6,356,901.0	1,827,629.8	696.50
	168	6,356,902.5	1,827,608.1	696.50
	169	6,356,905.5	1,827,604.0	695.00

	170	6,356,906.0	1,827,602.6	695.00
	171	6,356,905.5	1,827,601.2	695.00
	164	6,356,898.5	1,827,594.0	694.60
Terrain Line8	172	6,358,977.5	1,829,986.5	768.50
	174	6,359,015.5	1,829,959.6	768.50
	175	6,359,023.5	1,829,951.8	768.50
	176	6,359,030.5	1,829,940.6	768.50
	177	6,359,034.5	1,829,927.4	768.40
	178	6,359,035.0	1,829,913.5	768.50
	179	6,359,032.0	1,829,900.9	768.50
	180	6,359,026.5	1,829,889.8	768.50
	181	6,359,018.5	1,829,878.4	768.50
	182	6,358,985.0	1,829,830.9	768.50
	183	6,358,983.5	1,829,818.9	766.00
	184	6,358,960.5	1,829,783.2	766.00
	185	6,358,969.0	1,829,776.6	761.00
	186	6,358,955.5	1,829,756.0	761.00
	187	6,358,905.0	1,829,674.1	761.00
	188	6,358,913.0	1,829,668.0	756.50
	189	6,358,868.5	1,829,597.1	756.50
	190	6,358,872.5	1,829,592.1	754.00
	191	6,358,834.0	1,829,530.5	754.00
	192	6,358,840.5	1,829,513.1	746.00
	193	6,358,840.0	1,829,511.9	746.00
	194	6,358,802.5	1,829,449.6	746.00
	195	6,358,774.5	1,829,462.5	746.00
	196	6,358,761.0	1,829,468.1	746.00
	197	6,358,748.0	1,829,469.6	746.00
	198	6,358,736.0	1,829,468.2	746.00
	199	6,358,702.0	1,829,460.0	746.00
	200	6,358,633.0	1,829,438.6	746.00
	201	6,358,592.0	1,829,432.4	746.00
	173	6,358,567.0	1,829,428.5	746.00
Terrain Line9	202	6,359,418.5	1,831,051.6	837.50
	204	6,359,468.0	1,831,049.8	837.50
	205	6,359,459.0	1,830,965.4	837.50

	206	6,359,458.0	1,830,958.4	834.50
	207	6,359,445.0	1,830,873.6	834.50
	208	6,359,442.5	1,830,859.9	828.00
	209	6,359,425.0	1,830,775.9	828.00
	210	6,359,421.5	1,830,761.4	821.00
	211	6,359,400.0	1,830,678.4	821.00
	212	6,359,396.0	1,830,664.1	814.00
	213	6,359,370.5	1,830,582.9	814.00
	214	6,359,364.5	1,830,567.4	806.50
	215	6,359,335.5	1,830,489.2	806.50
	216	6,359,329.5	1,830,474.2	800.00
	217	6,359,295.5	1,830,395.8	800.00
	218	6,359,289.5	1,830,383.0	794.00
	219	6,359,254.5	1,830,312.4	794.00
	220	6,359,253.5	1,830,299.6	789.00
	221	6,359,232.5	1,830,259.6	789.00
	222	6,359,206.5	1,830,221.4	789.00
	223	6,359,202.0	1,830,216.4	789.00
	224	6,359,197.0	1,830,212.2	789.00
	225	6,359,189.0	1,830,208.8	789.00
	226	6,359,180.5	1,830,207.6	789.00
	227	6,359,200.0	1,830,179.1	780.00
	228	6,359,191.0	1,830,161.2	771.00
	229	6,359,160.0	1,830,089.6	770.00
	230	6,359,151.0	1,830,071.2	769.70
	231	6,359,148.0	1,830,050.0	769.30
	232	6,359,138.5	1,830,034.4	769.00
	233	6,359,122.5	1,830,023.9	768.80
	234	6,359,091.5	1,830,015.8	768.40
	235	6,359,041.5	1,830,028.1	768.20
	236	6,359,000.0	1,830,046.5	768.70
	237	6,358,984.5	1,830,068.4	769.00
	238	6,358,978.5	1,830,077.9	769.20
	203	6,358,971.5	1,830,084.4	769.40
Terrain Line10	239	6,359,479.5	1,831,999.5	895.50
	241	6,359,475.0	1,831,916.2	895.50

	242	6,359,473.5	1,831,907.2	891.50
	243	6,359,467.0	1,831,828.2	891.50
	244	6,359,467.0	1,831,809.4	884.50
	245	6,359,462.5	1,831,734.2	884.50
	246	6,359,457.5	1,831,718.8	877.50
	247	6,359,459.0	1,831,683.9	877.50
	248	6,359,462.0	1,831,643.9	877.50
	249	6,359,459.5	1,831,622.9	869.50
	250	6,359,461.0	1,831,545.5	869.50
	251	6,359,461.5	1,831,529.0	862.50
	252	6,359,462.5	1,831,451.0	862.50
	253	6,359,458.5	1,831,432.8	854.50
	254	6,359,460.0	1,831,352.9	847.50
	255	6,359,461.5	1,831,259.9	847.50
	256	6,359,461.5	1,831,247.9	842.00
	257	6,359,463.0	1,831,168.9	842.00
	240	6,359,369.0	1,831,167.2	842.00
Terrain Line11	258	6,361,189.5	1,833,985.5	944.90
	260	6,361,032.0	1,833,971.0	944.90
	261	6,361,026.5	1,833,968.6	944.90
	262	6,361,023.5	1,833,963.6	944.80
	263	6,361,023.5	1,833,957.6	944.80
	264	6,361,049.0	1,833,892.4	944.80
	265	6,361,055.5	1,833,880.2	944.80
	266	6,361,064.0	1,833,869.5	944.80
	267	6,361,074.0	1,833,860.4	944.80
	268	6,361,085.5	1,833,853.0	944.80
	269	6,361,098.0	1,833,847.9	944.80
	270	6,361,113.5	1,833,844.4	944.80
	271	6,361,129.0	1,833,843.6	944.80
	272	6,361,144.5	1,833,845.4	944.80
	273	6,361,160.0	1,833,849.6	944.80
	259	6,361,174.0	1,833,856.4	944.80
Terrain Line12	274	6,361,009.0	1,834,161.5	945.30
	275	6,360,990.5	1,834,163.9	945.30
	276	6,360,971.5	1,834,165.6	945.30

	277	6,360,952.5	1,834,166.8	945.30
	278	6,360,933.5	1,834,167.4	945.40
	279	6,360,926.5	1,834,015.5	944.60
	280	6,360,984.5	1,834,014.5	939.80
Terrain Line13	281	6,361,015.0	1,834,191.0	958.40
	283	6,360,999.0	1,834,193.1	957.60
	284	6,360,983.0	1,834,194.8	955.90
	285	6,360,967.5	1,834,196.0	954.80
	286	6,360,951.5	1,834,196.9	953.20
	287	6,360,935.5	1,834,197.4	953.00
	288	6,360,942.0	1,834,226.9	955.20
	289	6,360,948.0	1,834,256.5	956.90
	290	6,360,953.5	1,834,286.1	958.40
	291	6,360,958.0	1,834,316.0	960.00
	292	6,360,962.0	1,834,347.5	962.10
	293	6,360,965.0	1,834,379.0	963.30
	294	6,360,967.0	1,834,410.5	964.00
	295	6,360,969.0	1,834,442.1	964.20
	296	6,360,970.0	1,834,469.9	963.10
	297	6,360,969.0	1,834,497.6	961.00
	298	6,360,965.0	1,834,525.1	956.00
	299	6,360,958.5	1,834,552.1	950.30
	300	6,360,913.0	1,834,758.2	915.90
	301	6,360,911.5	1,834,778.6	919.10
	302	6,360,910.0	1,834,799.1	918.90
	303	6,360,908.0	1,834,819.5	918.80
	304	6,360,905.5	1,834,839.8	918.80
	305	6,360,902.5	1,834,860.1	918.80
	306	6,360,899.5	1,834,880.4	918.80
	307	6,360,895.5	1,834,900.5	918.80
	308	6,360,895.5	1,834,908.0	918.80
	309	6,360,898.0	1,834,915.0	918.70
	310	6,360,903.0	1,834,920.6	918.60
	311	6,360,910.0	1,834,925.2	918.50
	312	6,360,917.5	1,834,928.9	918.40
	313	6,360,925.5	1,834,931.4	918.40

	314	6,360,939.0	1,834,934.2	918.40
	315	6,360,953.0	1,834,936.8	918.40
	316	6,360,966.5	1,834,938.8	918.50
	317	6,360,980.0	1,834,940.4	918.50
	318	6,360,994.0	1,834,941.4	918.50
	319	6,361,008.0	1,834,942.0	918.50
	320	6,361,021.5	1,834,942.2	918.50
	282	6,361,035.5	1,834,942.0	918.50
Terrain Line14	321	6,360,769.0	1,835,069.6	909.80
	323	6,360,783.0	1,835,045.8	909.70
	324	6,360,797.0	1,835,021.6	909.80
	325	6,360,809.5	1,834,997.0	909.80
	326	6,360,821.5	1,834,972.0	909.80
	327	6,360,833.0	1,834,946.6	909.70
	328	6,360,843.5	1,834,920.6	909.90
	329	6,360,826.5	1,834,928.2	909.40
	330	6,360,807.5	1,834,928.5	909.00
	331	6,360,790.0	1,834,921.1	909.70
	332	6,360,777.0	1,834,907.5	909.80
	333	6,360,767.5	1,834,897.4	909.70
	334	6,360,756.5	1,834,888.6	909.70
	335	6,360,744.5	1,834,881.6	909.70
	336	6,360,732.0	1,834,876.2	909.80
	337	6,360,718.5	1,834,872.8	909.70
	322	6,360,704.5	1,834,871.1	909.70
Terrain Line15	338	6,360,825.0	1,835,128.6	915.80
	340	6,360,849.5	1,835,055.6	915.80
	341	6,360,868.0	1,834,987.2	915.80
	342	6,360,872.5	1,834,979.4	915.90
	343	6,360,880.0	1,834,974.5	915.80
	344	6,360,889.5	1,834,973.9	915.80
	345	6,360,906.0	1,834,976.2	915.90
	346	6,360,923.0	1,834,977.8	915.80
	347	6,360,940.0	1,834,978.2	915.70
	348	6,360,956.5	1,834,977.6	915.70
	339	6,360,973.5	1,834,976.0	913.60

Terrain Line16	349	6,360,329.0	1,835,736.9	899.80
	351	6,360,341.5	1,835,624.4	899.70
	352	6,360,343.5	1,835,618.0	899.80
	353	6,360,348.5	1,835,613.2	899.80
	354	6,360,355.0	1,835,611.1	899.80
	355	6,360,359.5	1,835,610.6	899.80
	356	6,360,365.5	1,835,611.4	899.80
	357	6,360,371.0	1,835,614.5	899.80
	358	6,360,374.5	1,835,619.6	899.80
	359	6,360,378.5	1,835,626.4	899.80
	360	6,360,383.0	1,835,632.4	899.80
	361	6,360,389.0	1,835,637.4	899.80
	362	6,360,395.5	1,835,641.4	899.80
	363	6,360,402.5	1,835,644.1	899.80
	364	6,360,410.0	1,835,645.5	899.80
	365	6,360,418.0	1,835,645.5	899.80
	366	6,360,425.5	1,835,644.1	899.80
	367	6,360,430.0	1,835,644.0	899.80
	368	6,360,435.0	1,835,645.6	899.80
	369	6,360,438.5	1,835,649.0	899.80
	370	6,360,444.5	1,835,654.8	899.80
	371	6,360,451.0	1,835,659.4	899.80
	372	6,360,459.0	1,835,662.6	899.80
	373	6,360,467.0	1,835,664.2	899.80
	374	6,360,475.0	1,835,664.5	899.80
	375	6,360,483.0	1,835,663.0	899.80
	376	6,360,491.0	1,835,660.1	899.80
	377	6,360,498.0	1,835,655.8	899.80
	378	6,360,502.0	1,835,652.5	899.70
	379	6,360,521.5	1,835,677.9	899.70
	350	6,360,558.5	1,835,729.0	899.80
Terrain Line17	380	6,361,078.0	1,835,802.0	906.60
	382	6,360,980.0	1,835,791.0	903.70
	383	6,360,853.0	1,835,759.0	903.60
	384	6,360,600.0	1,835,670.2	896.80
	385	6,360,609.5	1,835,680.8	897.80

	386	6,360,624.0	1,835,696.9	897.80
	387	6,360,635.0	1,835,709.5	897.80
	388	6,360,651.0	1,835,727.1	897.80
	389	6,360,659.5	1,835,736.8	897.80
	390	6,360,664.0	1,835,742.2	897.90
	391	6,360,675.5	1,835,757.4	897.90
	392	6,360,684.5	1,835,770.1	897.80
	393	6,360,692.0	1,835,780.0	897.90
	394	6,360,699.5	1,835,789.9	897.90
	395	6,360,708.0	1,835,800.6	897.90
	396	6,360,721.0	1,835,815.4	897.90
	397	6,360,731.5	1,835,827.2	897.90
	398	6,360,735.0	1,835,831.0	897.90
	399	6,360,742.0	1,835,838.0	901.10
	400	6,360,752.5	1,835,848.2	903.80
	401	6,360,760.5	1,835,856.0	903.80
	402	6,360,764.5	1,835,859.4	903.80
	403	6,360,778.0	1,835,871.0	903.80
	404	6,360,791.5	1,835,882.8	903.80
	405	6,360,794.5	1,835,885.2	903.80
	406	6,360,799.0	1,835,889.1	903.80
	407	6,360,809.5	1,835,897.9	903.80
	408	6,360,811.5	1,835,899.8	903.90
	409	6,360,823.0	1,835,908.4	903.90
	410	6,360,827.0	1,835,911.1	903.90
	411	6,360,858.0	1,835,934.1	906.90
	412	6,360,864.0	1,835,938.8	906.90
	413	6,360,871.5	1,835,945.2	906.90
	414	6,360,875.0	1,835,948.4	906.90
	415	6,360,878.5	1,835,951.2	906.90
	416	6,360,886.0	1,835,958.0	906.90
	417	6,360,891.5	1,835,963.4	906.90
	418	6,360,896.5	1,835,968.1	906.90
	419	6,360,902.5	1,835,973.9	906.90
	420	6,360,905.5	1,835,976.5	906.90
	421	6,360,908.0	1,835,978.4	906.90

	422	6,360,908.0	1,835,978.8	906.90
	423	6,360,909.0	1,835,979.5	906.90
	424	6,360,913.5	1,835,982.9	906.90
	425	6,360,916.5	1,835,985.1	906.90
	426	6,360,924.0	1,835,990.6	906.90
	427	6,360,928.5	1,835,993.9	906.90
	428	6,360,932.0	1,835,996.4	906.90
	429	6,360,941.5	1,836,002.9	906.90
	430	6,360,952.0	1,836,009.2	906.90
	431	6,360,962.0	1,836,015.1	906.90
	432	6,360,973.0	1,836,021.5	906.90
	433	6,360,989.5	1,836,030.0	906.90
	434	6,360,999.5	1,836,034.8	906.90
	435	6,361,010.5	1,836,039.9	906.90
	436	6,361,020.0	1,836,043.8	906.90
	437	6,361,031.5	1,836,048.0	906.90
	438	6,361,040.0	1,836,051.1	906.90
	439	6,361,051.5	1,836,054.9	906.90
	440	6,361,057.5	1,836,056.9	906.90
	441	6,361,067.0	1,836,059.8	906.90
	442	6,361,075.5	1,836,062.0	906.90
	443	6,361,095.0	1,836,066.6	905.90
	444	6,361,102.0	1,836,068.1	905.90
	445	6,361,115.0	1,836,070.5	905.90
	446	6,361,126.5	1,836,072.4	905.90
	447	6,361,134.0	1,836,073.5	905.90
	448	6,361,141.5	1,836,074.2	905.90
	449	6,361,144.0	1,836,074.5	905.90
	450	6,361,146.5	1,836,074.9	905.90
	451	6,361,149.5	1,836,075.1	905.90
	452	6,361,153.0	1,836,075.4	905.90
	453	6,361,154.0	1,836,075.5	905.90
	454	6,361,157.0	1,836,075.8	905.90
	455	6,361,161.5	1,836,076.0	905.90
	456	6,361,165.5	1,836,076.2	905.80
	457	6,361,173.5	1,836,076.6	905.70

	458	6,361,175.5	1,836,076.6	905.70
	459	6,361,189.5	1,836,076.8	905.60
	460	6,361,194.5	1,836,076.8	905.50
	461	6,361,204.5	1,836,076.5	904.40
	462	6,361,207.5	1,836,076.4	903.80
	463	6,361,214.0	1,836,076.0	903.10
	464	6,361,215.5	1,836,075.9	902.90
	465	6,361,217.5	1,836,075.9	902.70
	466	6,361,220.5	1,836,075.6	902.40
	381	6,361,279.0	1,835,959.5	902.00
Terrain Line18	467	6,360,325.0	1,835,766.9	899.60
	469	6,360,561.0	1,835,766.9	909.80
	470	6,360,570.5	1,835,777.8	909.80
	471	6,360,580.0	1,835,788.4	909.80
	472	6,360,589.5	1,835,799.0	909.90
	473	6,360,599.5	1,835,809.4	909.80
	474	6,360,609.5	1,835,819.6	909.90
	475	6,360,619.5	1,835,829.8	909.70
	476	6,360,629.5	1,835,839.8	909.80
	477	6,360,640.0	1,835,849.6	909.70
	478	6,360,650.5	1,835,859.4	909.80
	479	6,360,661.5	1,835,868.9	909.80
	480	6,360,672.0	1,835,878.2	909.80
	481	6,360,683.0	1,835,887.5	910.60
	482	6,360,694.5	1,835,898.2	911.80
	483	6,360,705.5	1,835,908.9	911.80
	484	6,360,717.5	1,835,919.2	911.80
	485	6,360,729.0	1,835,929.6	911.80
	486	6,360,741.0	1,835,939.6	911.80
	487	6,360,753.0	1,835,949.6	911.80
	488	6,360,765.0	1,835,959.4	911.90
	489	6,360,777.0	1,835,969.1	911.80
	490	6,360,786.5	1,835,978.5	911.80
	491	6,360,795.5	1,835,988.9	911.70
	468	6,360,803.0	1,836,000.0	911.90

Dudek
M Greene

12 September 2017
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: Oty Rnch V4 PrctrVlly Ex w ProjRev 0817
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	64.7	65	64.7	1	----	64.7	0.0	8	-8.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	54.2	65	54.2	1	----	54.2	0.0	8	-8.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	55.5	65	55.5	1	----	55.5	0.0	8	-8.0
R4 MtMglRd - Lane Ave	9	1	0.0	64.4	65	64.4	1	----	64.4	0.0	8	-8.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	54.6	65	54.6	1	----	54.6	0.0	8	-8.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	56.7	65	56.7	1	----	56.7	0.0	8	-8.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	53.8	65	53.8	1	----	53.8	0.0	8	-8.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	57.9	65	57.9	1	----	57.9	0.0	8	-8.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	47.7	65	47.7	1	----	47.7	0.0	8	-8.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	54.0	65	54.0	1	----	54.0	0.0	8	-8.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	51.8	65	51.8	1	----	51.8	0.0	8	-8.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	55.5	65	55.5	1	----	55.5	0.0	8	-8.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	59.5	65	59.5	1	----	59.5	0.0	8	-8.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	51.4	65	51.4	1	----	51.4	0.0	8	-8.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	50.2	65	50.2	1	----	50.2	0.0	8	-8.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	50.9	65	50.9	1	----	50.9	0.0	8	-8.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	57.8	65	57.8	1	----	57.8	0.0	8	-8.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	59.9	65	59.9	1	----	59.9	0.0	8	-8.0
R19 P-1	100	1	0.0	58.3	65	58.3	1	----	58.3	0.0	8	-8.0
R20 R-4 southwest side	101	1	0.0	64.3	60	64.3	1	Snd Lvl	64.3	0.0	8	-8.0
R21 R-4 west side	102	1	0.0	64.4	60	64.4	1	Snd Lvl	64.4	0.0	8	-8.0
R22 R-4 northwest side	103	1	0.0	64.7	60	64.7	1	Snd Lvl	64.7	0.0	8	-8.0
R23 R-5 Lot 10 southwest side	104	1	0.0	61.9	60	61.9	1	Snd Lvl	61.9	0.0	8	-8.0
R24 R-5 Lot 5 west side	105	1	0.0	63.9	60	63.9	1	Snd Lvl	63.9	0.0	8	-8.0

R25 R-5 PPP-1 northwest side	106	1	0.0	57.6	65	57.6	1	----	57.6	0.0	8	-8.0
R26 R-12 Park south side	107	1	0.0	58.4	65	58.4	1	----	58.4	0.0	8	-8.0
R27 S-1 School southwest side	108	1	0.0	57.5	65	57.5	1	----	57.5	0.0	8	-8.0
R28 R-12 Park north side	109	1	0.0	59.0	65	59.0	1	----	59.0	0.0	8	-8.0
R29 S-1 School west side	110	1	0.0	58.4	65	58.4	1	----	58.4	0.0	8	-8.0
R30 S-1 School northwest side	111	1	0.0	57.7	65	57.7	1	----	57.7	0.0	8	-8.0
R31 P-2 park	112	1	0.0	57.7	65	57.7	1	----	57.7	0.0	8	-8.0
R32 MU-1	113	1	0.0	57.9	65	57.9	1	----	57.9	0.0	8	-8.0
R33 R-10 Lot 6	114	1	0.0	60.4	60	60.4	1	Snd Lvl	60.4	0.0	8	-8.0
R34 R-10 Lot 4	115	1	0.0	60.1	60	60.1	1	Snd Lvl	60.1	0.0	8	-8.0
R35 R-10 Lot 2	116	1	0.0	59.9	60	59.9	1	----	59.9	0.0	8	-8.0
R36 R-11 PP-4	117	1	0.0	54.2	65	54.2	1	----	54.2	0.0	8	-8.0
R37 R-11 Lot 54	118	1	0.0	58.9	60	58.9	1	----	58.9	0.0	8	-8.0
R38 R-11 Lot 58	119	1	0.0	58.8	60	58.8	1	----	58.8	0.0	8	-8.0
R39 R-11 Lot 61	120	1	0.0	58.8	60	58.8	1	----	58.8	0.0	8	-8.0
R40 R-11 Lot 1	121	1	0.0	56.9	60	56.9	1	----	56.9	0.0	8	-8.0
R41 R-11 Lot 4	122	1	0.0	56.1	60	56.1	1	----	56.1	0.0	8	-8.0
R42 R-11 Lot 6	123	1	0.0	51.5	60	51.5	1	----	51.5	0.0	8	-8.0
R43 R-11 Lot 8	124	1	0.0	44.7	60	44.7	1	----	44.7	0.0	8	-8.0
R44 R-14 Lot 64	125	1	0.0	50.6	60	50.6	1	----	50.6	0.0	8	-8.0
R45 R-14 Lot 28	126	1	0.0	54.6	60	54.6	1	----	54.6	0.0	8	-8.0
R46 R-14 open space	127	1	0.0	46.5	65	46.5	1	----	46.5	0.0	8	-8.0
R47 R-14 Lot 27	128	1	0.0	59.4	60	59.4	1	----	59.4	0.0	8	-8.0
R48 R-14 Lot 2	129	1	0.0	57.5	60	57.5	1	----	57.5	0.0	8	-8.0
R49 R-14 Lot 1	130	1	0.0	57.2	60	57.2	1	----	57.2	0.0	8	-8.0
R50 R-14 P-4	131	1	0.0	52.8	60	52.8	1	----	52.8	0.0	8	-8.0
R51 R-13 Lot 1	132	1	0.0	55.7	60	55.7	0	----	55.7	0.0	8	-8.0
R52 R-13 Lot 9	133	1	0.0	55.2	60	55.2	0	----	55.2	0.0	8	-8.0
R53 R-13 Lot 8	134	1	0.0	51.8	60	51.8	0	----	51.8	0.0	8	-8.0
R54 R-13 Lot 10	135	1	0.0	53.3	60	53.3	0	----	53.3	0.0	8	-8.0
R55 R-13 Lot 11	136	1	0.0	51.3	60	51.3	0	----	51.3	0.0	8	-8.0
R56 R-13 Lot 12	138	1	0.0	53.4	66	53.4	10	----	53.4	0.0	8	-8.0

Dwelling Units	**# DUs**	**Noise Reduction**		
		Min	**Avg**	**Max**
		dB	**dB**	**dB**
All Selected	56	0.0	0.0	0.0
All Impacted	7	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**12 September 2017**						
M Greene					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**8207**						**a State highway agency substantiates the use**				
RUN:	**OtyRnchVilg14PrctrVlly Yr 2030Rev 0817**						**of a different type with the approval of FHWA**				
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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Road	25.0	point378	378	6,368,149.0	1,836,340.0	960.00				Average	
		point376	376	6,366,145.0	1,836,340.0	968.00				Average	
		point374	374	6,362,537.5	1,836,340.0	910.00				Average	
		point372	372	6,362,460.5	1,836,102.2	904.00				Average	

		point292	292	6,361,350.0	1,836,103.2	904.16				Average	
		point293	293	6,361,273.0	1,836,104.5	901.83				Average	
		point294	294	6,361,196.5	1,836,105.6	901.32				Average	
		point295	295	6,361,145.0	1,836,103.8	902.45				Average	
		point296	296	6,361,094.0	1,836,096.6	900.54				Average	
		point297	297	6,361,044.0	1,836,084.2	903.40				Average	
		point298	298	6,360,995.5	1,836,066.8	902.65				Average	
		point299	299	6,360,949.0	1,836,044.4	904.53				Average	
		point300	300	6,360,905.0	1,836,017.4	906.33				Average	
		point301	301	6,360,864.5	1,835,986.0	905.54				Average	
		point302	302	6,360,794.0	1,835,925.9	901.18				Average	
		point303	303	6,360,723.5	1,835,865.8	896.36				Average	
		point304	304	6,360,693.5	1,835,838.2	894.62				Average	
		point305	305	6,360,666.5	1,835,808.5	892.66				Average	
		point306	306	6,360,641.5	1,835,776.6	890.79				Average	
		point307	307	6,360,575.5	1,835,684.6	887.73				Average	
		point308	308	6,360,509.5	1,835,592.8	886.26				Average	
		point309	309	6,360,443.5	1,835,500.8	886.58				Average	
		point310	310	6,360,419.5	1,835,463.9	886.29				Average	
		point311	311	6,360,399.0	1,835,425.1	887.74				Average	
		point312	312	6,360,382.0	1,835,384.6	889.85				Average	
		point313	313	6,360,368.0	1,835,342.8	888.29				Average	
		point314	314	6,360,347.0	1,835,265.8	887.89				Average	
		point315	315	6,360,325.5	1,835,188.9	886.00				Average	
		point317	317	6,360,304.5	1,835,111.9	884.03				Average	
		point318	318	6,360,301.0	1,835,099.6	884.00				Average	
		point319	319	6,360,297.0	1,835,087.4	883.96				Average	
		point320	320	6,360,267.0	1,834,997.5	882.45				Average	
		point321	321	6,360,237.0	1,834,907.6	882.48				Average	
		point322	322	6,360,226.5	1,834,870.4	882.70				Average	
		point323	323	6,360,218.5	1,834,832.5	883.89				Average	
		point324	324	6,360,201.5	1,834,732.5	887.03				Average	
		point326	326	6,360,185.0	1,834,632.6	892.51				Average	
		point327	327	6,360,183.0	1,834,621.6	893.25				Average	
		point328	328	6,360,166.5	1,834,535.8	897.83				Average	
		point329	329	6,360,150.5	1,834,450.0	902.13				Average	
		point330	330	6,360,134.0	1,834,364.2	906.00				Average	
		point331	331	6,360,127.0	1,834,312.8	908.01				Average	
		point332	332	6,360,125.0	1,834,261.0	910.03				Average	

		point333	333	6,360,129.0	1,834,209.2	914.00				Average	
		point334	334	6,360,138.0	1,834,158.1	916.48				Average	
		point335	335	6,360,152.0	1,834,108.2	917.24				Average	
		point336	336	6,360,171.5	1,834,060.1	916.66				Average	
		point337	337	6,360,215.0	1,833,966.9	912.69				Average	
		point338	338	6,360,258.0	1,833,873.6	909.87				Average	
		point339	339	6,360,301.5	1,833,780.5	908.02				Average	
		point340	340	6,360,344.5	1,833,687.2	907.96				Average	
		point341	341	6,360,388.0	1,833,594.0	908.59				Average	
		point342	342	6,360,431.0	1,833,500.8	907.49				Average	
		point343	343	6,360,474.5	1,833,407.5	908.72				Average	
		point344	344	6,360,500.0	1,833,359.6	909.49				Average	
		point345	345	6,360,530.5	1,833,314.8	910.39				Average	
		point346	346	6,360,565.5	1,833,273.4	910.49				Average	
		point347	347	6,360,621.5	1,833,214.9	908.81				Average	
		point348	348	6,360,677.0	1,833,156.2	904.15				Average	
		point349	349	6,360,710.0	1,833,117.9	900.88				Average	
		point350	350	6,360,739.0	1,833,076.4	897.23				Average	
		point351	351	6,360,763.5	1,833,032.1	893.40				Average	
		point352	352	6,360,783.5	1,832,985.6	890.12				Average	
		point353	353	6,360,798.5	1,832,937.2	887.10				Average	
		point354	354	6,360,809.0	1,832,887.8	884.98				Average	
		point355	355	6,360,814.0	1,832,837.4	883.86				Average	
		point356	356	6,360,814.0	1,832,786.8	882.04				Average	
		point357	357	6,360,809.0	1,832,736.4	883.38				Average	
		point358	358	6,360,799.0	1,832,686.8	880.46				Average	
		point359	359	6,360,784.0	1,832,638.5	881.39				Average	
		point360	360	6,360,752.5	1,832,554.1	882.15				Average	
		point361	361	6,360,721.5	1,832,469.6	885.57				Average	
		point362	362	6,360,704.0	1,832,428.6	888.05				Average	
		point363	363	6,360,683.5	1,832,389.2	890.78				Average	
		point364	364	6,360,659.0	1,832,351.9	895.41				Average	
		point365	365	6,360,631.5	1,832,316.9	900.53				Average	
		point5	5	6,360,604.5	1,832,285.2	906.91				Average	
		point7	7	6,360,574.0	1,832,311.5	906.55				Average	
		point10	10	6,360,533.5	1,832,342.6	906.42				Average	
		point11	11	6,360,519.5	1,832,352.1	906.38				Average	
		point12	12	6,360,259.5	1,832,520.5	916.68				Average	
		point13	13	6,360,222.0	1,832,541.2	918.34				Average	

		point14	14	6,360,181.5	1,832,556.4	918.23				Average	
		point15	15	6,360,139.5	1,832,565.6	916.38				Average	
		point16	16	6,360,096.5	1,832,568.6	911.71				Average	
		point17	17	6,360,000.5	1,832,568.6	910.33				Average	
		point18	18	6,359,904.5	1,832,568.6	913.03				Average	
		point19	19	6,359,856.0	1,832,565.8	912.00				Average	
		point20	20	6,359,807.5	1,832,556.8	911.80				Average	
		point21	21	6,359,761.0	1,832,542.1	915.13				Average	
		point22	22	6,359,716.5	1,832,521.9	919.12				Average	
		point23	23	6,359,675.0	1,832,496.2	921.85				Average	
		point24	24	6,359,637.0	1,832,465.9	923.60				Average	
		point25	25	6,359,602.5	1,832,431.0	922.25				Average	
		point26	26	6,359,573.0	1,832,392.2	917.36				Average	
		point27	27	6,359,548.0	1,832,350.1	910.39				Average	
		point28	28	6,359,528.5	1,832,305.2	902.85				Average	
		point29	29	6,359,514.5	1,832,258.5	903.72				Average	
		point30	30	6,359,506.5	1,832,210.2	905.96				Average	
		point31	31	6,359,504.5	1,832,161.5	907.46				Average	
		point32	32	6,359,506.5	1,832,060.1	902.84				Average	
		point33	33	6,359,508.5	1,831,958.8	891.86				Average	
		point34	34	6,359,510.0	1,831,857.5	874.76				Average	
		point35	35	6,359,512.0	1,831,756.1	857.71				Average	
		point36	36	6,359,514.0	1,831,654.8	836.87				Average	
		point37	37	6,359,515.5	1,831,553.5	824.16				Average	
		point38	38	6,359,517.5	1,831,452.1	819.47				Average	
		point39	39	6,359,519.0	1,831,350.9	814.06				Average	
		point40	40	6,359,521.0	1,831,249.5	808.00				Average	
		point41	41	6,359,521.5	1,831,199.2	808.93				Average	
		point42	42	6,359,520.5	1,831,149.0	810.24				Average	
		point43	43	6,359,518.0	1,831,098.8	814.40				Average	
		point44	44	6,359,514.5	1,831,048.6	819.19				Average	
		point45	45	6,359,510.0	1,830,998.5	822.25				Average	
		point46	46	6,359,504.0	1,830,948.6	823.83				Average	
		point47	47	6,359,496.5	1,830,898.9	823.44				Average	
		point48	48	6,359,488.0	1,830,849.4	820.55				Average	
		point49	49	6,359,478.0	1,830,800.0	816.24				Average	
		point50	50	6,359,467.0	1,830,751.0	811.53				Average	
		point51	51	6,359,455.0	1,830,702.2	802.99				Average	
		point52	52	6,359,441.5	1,830,653.9	795.67				Average	

		point53	53	6,359,427.0	1,830,605.8	792.74				Average	
		point54	54	6,359,411.0	1,830,558.0	795.36				Average	
		point55	55	6,359,394.0	1,830,510.8	799.80				Average	
		point56	56	6,359,375.5	1,830,463.9	801.36				Average	
		point57	57	6,359,356.0	1,830,417.5	802.11				Average	
		point58	58	6,359,335.5	1,830,371.6	804.72				Average	
		point59	59	6,359,314.0	1,830,326.4	803.95				Average	
		point60	60	6,359,291.0	1,830,281.6	801.18				Average	
		point61	61	6,359,242.0	1,830,188.2	794.21				Average	
		point62	62	6,359,193.0	1,830,095.0	789.91				Average	
		point63	63	6,359,143.5	1,830,001.6	777.51				Average	
		point64	64	6,359,094.5	1,829,908.2	763.43				Average	
		point65	65	6,359,045.5	1,829,815.0	744.84				Average	
		point66	66	6,358,996.5	1,829,721.6	731.83				Average	
		point67	67	6,358,947.0	1,829,628.4	721.91				Average	
		point68	68	6,358,898.0	1,829,535.0	720.25				Average	
		point69	69	6,358,849.0	1,829,441.8	717.05				Average	
		point70	70	6,358,826.0	1,829,399.8	715.08				Average	
		point71	71	6,358,802.5	1,829,358.2	714.43				Average	
		point72	72	6,358,777.5	1,829,317.5	713.28				Average	
		point73	73	6,358,752.0	1,829,277.2	713.28				Average	
		point74	74	6,358,725.5	1,829,237.6	717.11				Average	
		point75	75	6,358,697.5	1,829,198.6	721.40				Average	
		point76	76	6,358,669.0	1,829,160.2	720.84				Average	
		point77	77	6,358,640.0	1,829,122.6	719.36				Average	
		point78	78	6,358,609.5	1,829,085.8	717.48				Average	
		point79	79	6,358,578.5	1,829,049.6	715.99				Average	
		point80	80	6,358,546.5	1,829,014.2	714.01				Average	
		point81	81	6,358,513.5	1,828,979.6	711.42				Average	
		point82	82	6,358,479.5	1,828,945.8	707.60				Average	
		point83	83	6,358,445.0	1,828,912.8	704.19				Average	
		point84	84	6,358,410.0	1,828,880.5	701.84				Average	
		point85	85	6,358,374.0	1,828,849.1	697.53				Average	
		point86	86	6,358,337.0	1,828,818.8	694.06				Average	
		point87	87	6,358,299.5	1,828,789.1	697.96				Average	
		point88	88	6,358,216.0	1,828,724.5	696.25				Average	
		point89	89	6,358,132.0	1,828,660.0	695.47				Average	
		point90	90	6,358,048.5	1,828,595.4	701.30				Average	
		point91	91	6,357,964.5	1,828,530.9	705.48				Average	

		point92	92	6,357,880.5	1,828,466.2	709.52				Average	
		point93	93	6,357,797.0	1,828,401.8	708.75				Average	
		point94	94	6,357,713.0	1,828,337.1	711.11				Average	
		point95	95	6,357,629.0	1,828,272.6	710.28				Average	
		point96	96	6,357,545.5	1,828,208.0	716.98				Average	
		point97	97	6,357,461.5	1,828,143.5	712.35				Average	
		point98	98	6,357,378.0	1,828,078.9	714.41				Average	
		point99	99	6,357,294.0	1,828,014.4	710.27				Average	
		point100	100	6,357,210.0	1,827,949.8	709.80				Average	
		point101	101	6,357,126.5	1,827,885.1	707.16				Average	
		point102	102	6,357,042.5	1,827,820.6	702.46				Average	
		point103	103	6,356,958.5	1,827,756.0	697.76				Average	
		point104	104	6,356,875.0	1,827,691.5	692.74				Average	
		point105	105	6,356,791.0	1,827,626.9	686.73				Average	
		point106	106	6,356,707.0	1,827,562.4	681.57				Average	
		point108	108	6,356,623.5	1,827,497.8	677.72				Average	
		point109	109	6,356,593.5	1,827,474.2	675.52				Average	
		point110	110	6,356,564.0	1,827,450.1	673.32				Average	
		point111	111	6,356,535.0	1,827,425.5	671.11				Average	
		point112	112	6,356,445.5	1,827,348.0	664.94				Average	
		point113	113	6,356,356.0	1,827,270.5	657.70				Average	
		point114	114	6,356,266.5	1,827,193.0	651.86				Average	
		point115	115	6,356,231.0	1,827,160.6	649.21				Average	
		point116	116	6,356,197.0	1,827,126.5	646.57				Average	
		point117	117	6,356,165.0	1,827,090.6	642.98				Average	
		point118	118	6,356,134.5	1,827,053.2	638.50				Average	
		point119	119	6,356,106.5	1,827,014.5	632.40				Average	
		point120	120	6,356,080.0	1,826,974.2	623.97				Average	
		point121	121	6,356,056.0	1,826,932.8	630.08				Average	
		point122	122	6,356,033.5	1,826,890.0	640.72				Average	
		point123	123	6,356,014.0	1,826,846.2	646.98				Average	
		point124	124	6,355,996.0	1,826,801.6	651.24				Average	
		point125	125	6,355,981.0	1,826,756.0	649.69				Average	
		point126	126	6,355,967.5	1,826,709.8	649.50				Average	
		point127	127	6,355,957.0	1,826,662.9	648.92				Average	
		point128	128	6,355,948.5	1,826,615.6	648.26				Average	
		point129	129	6,355,942.5	1,826,567.9	646.59				Average	
		point130	130	6,355,939.0	1,826,520.0	645.59				Average	
		point131	131	6,355,934.0	1,826,413.9	643.53				Average	

		point132	132	6,355,929.0	1,826,307.8	639.80				Average	
		point133	133	6,355,924.0	1,826,201.6	637.99				Average	
		point134	134	6,355,919.0	1,826,095.5	635.43				Average	
		point135	135	6,355,914.0	1,825,989.4	634.38				Average	
		point136	136	6,355,909.0	1,825,883.2	633.95				Average	
		point137	137	6,355,904.0	1,825,777.1	634.29				Average	
		point138	138	6,355,899.5	1,825,727.6	633.77				Average	
		point139	139	6,355,891.0	1,825,678.8	633.05				Average	
		point140	140	6,355,878.5	1,825,630.8	631.20				Average	
		point141	141	6,355,862.0	1,825,584.0	630.08				Average	
		point142	142	6,355,842.0	1,825,538.6	628.59				Average	
		point143	143	6,355,818.0	1,825,495.2	626.67				Average	
		point144	144	6,355,790.5	1,825,453.9	624.96				Average	
		point145	145	6,355,760.0	1,825,414.9	622.75				Average	
		point146	146	6,355,726.0	1,825,378.6	621.69				Average	
		point147	147	6,355,689.5	1,825,345.2	620.67				Average	
		point148	148	6,355,650.0	1,825,315.0	619.93				Average	
		point149	149	6,355,543.5	1,825,240.2	616.32				Average	
		point150	150	6,355,437.5	1,825,165.5	613.71				Average	
		point151	151	6,355,331.0	1,825,090.6	610.67				Average	
		point152	152	6,355,292.5	1,825,062.0	609.23				Average	
		point153	153	6,355,255.5	1,825,031.6	607.35				Average	
		point154	154	6,355,219.5	1,824,999.4	605.21				Average	
		point155	155	6,355,185.5	1,824,965.5	602.79				Average	
		point156	156	6,355,153.0	1,824,930.0	600.68				Average	
		point157	157	6,355,122.5	1,824,893.0	600.01				Average	
		point158	158	6,355,093.5	1,824,854.6	598.86				Average	
		point159	159	6,355,066.5	1,824,814.9	603.20				Average	
		point160	160	6,355,041.5	1,824,773.8	605.21				Average	
		point161	161	6,355,018.5	1,824,731.6	604.42				Average	
		point162	162	6,354,997.5	1,824,688.4	604.00				Average	
		point163	163	6,354,950.0	1,824,584.9	601.91				Average	
		point164	164	6,354,902.5	1,824,481.4	598.87				Average	
		point165	165	6,354,855.5	1,824,377.8	597.79				Average	
		point166	166	6,354,808.0	1,824,274.2	597.85				Average	
		point167	167	6,354,761.0	1,824,170.8	605.10				Average	
		point168	168	6,354,713.5	1,824,067.2	601.09				Average	
		point169	169	6,354,692.5	1,824,024.8	598.87				Average	
		point170	170	6,354,668.5	1,823,983.8	596.01				Average	

		point171	171	6,354,641.5	1,823,944.5	595.34				Average	
		point172	172	6,354,612.5	1,823,907.2	595.46				Average	
		point173	173	6,354,550.0	1,823,833.0	592.64				Average	
		point174	174	6,354,487.5	1,823,758.6	592.95				Average	
		point175	175	6,354,425.0	1,823,684.4	593.99				Average	
		point176	176	6,354,319.0	1,823,650.4	592.28				Average	
		point177	177	6,354,213.0	1,823,616.2	600.07				Average	
		point178	178	6,354,107.0	1,823,582.2	592.79				Average	
		point179	179	6,354,001.0	1,823,548.1	584.73				Average	
		point180	180	6,353,895.0	1,823,514.1	580.00				Average	
		point181	181	6,353,846.5	1,823,497.4	579.99				Average	
		point182	182	6,353,799.0	1,823,478.8	578.23				Average	
		point183	183	6,353,752.5	1,823,458.0	577.41				Average	
		point184	184	6,353,706.5	1,823,435.4	577.01				Average	
		point185	185	6,353,662.0	1,823,410.8	577.71				Average	
		point186	186	6,353,618.0	1,823,384.4	578.69				Average	
		point187	187	6,353,575.5	1,823,356.0	579.25				Average	
		point188	188	6,353,534.5	1,823,326.0	577.56				Average	
		point189	189	6,353,494.5	1,823,294.1	575.43				Average	
		point190	190	6,353,456.0	1,823,260.6	576.13				Average	
		point191	191	6,353,419.0	1,823,225.6	576.29				Average	
		point192	192	6,353,383.5	1,823,188.9	575.04				Average	
		point193	193	6,353,349.5	1,823,150.9	576.22				Average	
		point194	194	6,353,317.0	1,823,111.2	576.65				Average	
		point195	195	6,353,286.5	1,823,070.4	576.21				Average	
		point196	196	6,353,257.5	1,823,028.2	575.72				Average	
		point197	197	6,353,230.5	1,822,985.0	574.91				Average	
		point198	198	6,353,139.5	1,822,831.8	584.91				Average	
		point199	199	6,353,113.0	1,822,789.2	575.57				Average	
		point200	200	6,353,084.5	1,822,747.9	569.12				Average	
		point201	201	6,353,055.0	1,822,707.8	567.74				Average	
		point202	202	6,353,023.0	1,822,669.0	565.79				Average	
		point203	203	6,352,990.0	1,822,631.5	565.52				Average	
		point204	204	6,352,955.5	1,822,595.4	564.01				Average	
		point205	205	6,352,919.0	1,822,560.9	564.16				Average	
		point206	206	6,352,881.5	1,822,527.8	563.17				Average	
		point207	207	6,352,842.5	1,822,496.2	562.01				Average	
		point208	208	6,352,802.5	1,822,466.5	562.15				Average	
		point209	209	6,352,761.0	1,822,438.4	562.19				Average	

		point210	210	6,352,718.5	1,822,412.0	560.84				Average	
		point211	211	6,352,675.0	1,822,387.5	560.00				Average	
		point212	212	6,352,630.5	1,822,364.8	560.00				Average	
		point213	213	6,352,585.0	1,822,343.9	560.00				Average	
		point214	214	6,352,538.5	1,822,325.0	560.01				Average	
		point215	215	6,352,443.5	1,822,288.4	560.61				Average	
		point216	216	6,352,397.5	1,822,269.0	562.67				Average	
		point217	217	6,352,352.5	1,822,247.0	563.62				Average	
		point218	218	6,352,309.0	1,822,222.2	564.76				Average	
		point219	219	6,352,267.5	1,822,194.9	565.84				Average	
		point220	220	6,352,227.0	1,822,165.1	566.00				Average	
		point221	221	6,352,189.0	1,822,133.0	565.39				Average	
		point222	222	6,352,153.0	1,822,098.5	568.41				Average	
		point223	223	6,352,119.0	1,822,062.0	570.42				Average	
		point224	224	6,352,087.0	1,822,023.5	573.25				Average	
		point225	225	6,352,057.5	1,821,983.0	575.88				Average	
		point226	226	6,352,031.0	1,821,941.0	576.65				Average	
		point227	227	6,352,006.5	1,821,897.4	577.58				Average	
		point228	228	6,351,985.0	1,821,852.2	577.18				Average	
		point229	229	6,351,966.0	1,821,806.0	576.85				Average	
		point230	230	6,351,950.0	1,821,758.8	576.17				Average	
		point231	231	6,351,919.0	1,821,657.0	572.09				Average	
		point232	232	6,351,888.0	1,821,555.1	562.73				Average	
		point233	233	6,351,857.0	1,821,453.4	559.32				Average	
		point234	234	6,351,826.0	1,821,351.6	557.54				Average	
		point235	235	6,351,795.0	1,821,249.9	555.56				Average	
		point236	236	6,351,764.0	1,821,148.0	553.39				Average	
		point237	237	6,351,752.0	1,821,111.1	552.46				Average	
		point238	238	6,351,738.5	1,821,074.8	551.91				Average	
		point239	239	6,351,704.0	1,820,986.4	550.28				Average	
		point240	240	6,351,669.5	1,820,898.0	551.22				Average	
		point241	241	6,351,635.0	1,820,809.8	550.40				Average	
		point242	242	6,351,600.0	1,820,721.4	549.58				Average	
		point243	243	6,351,565.5	1,820,633.0	554.05				Average	
		point244	244	6,351,531.0	1,820,544.6	570.84				Average	
		point245	245	6,351,496.5	1,820,456.4	565.16				Average	
		point246	246	6,351,461.5	1,820,368.0	558.23				Average	
		point247	247	6,351,442.5	1,820,323.2	557.45				Average	
		point248	248	6,351,420.0	1,820,279.9	556.80				Average	

		point249	249	6,351,394.5	1,820,238.2	557.66				Average	
		point250	250	6,351,366.5	1,820,198.5	559.31				Average	
		point251	251	6,351,335.5	1,820,160.8	565.12				Average	
		point252	252	6,351,302.0	1,820,125.4	565.85				Average	
		point253	253	6,351,266.0	1,820,092.2	564.66				Average	
		point254	254	6,351,228.0	1,820,061.8	563.90				Average	
		point255	255	6,351,188.0	1,820,034.0	566.28				Average	
		point256	256	6,351,146.0	1,820,009.1	567.84				Average	
		point257	257	6,351,102.5	1,819,987.2	568.92				Average	
		point258	258	6,351,057.5	1,819,968.5	569.05				Average	
		point259	259	6,351,011.0	1,819,952.9	571.33				Average	
		point260	260	6,350,964.0	1,819,940.5	574.09				Average	
		point261	261	6,350,916.0	1,819,931.4	575.07				Average	
		point262	262	6,350,867.5	1,819,925.6	576.76				Average	
		point263	263	6,350,819.0	1,819,923.4	576.70				Average	
		point264	264	6,350,770.0	1,819,924.4	577.00				Average	
		point265	265	6,350,721.5	1,819,928.9	578.07				Average	
		point266	266	6,350,625.0	1,819,941.2	579.75				Average	
		point267	267	6,350,528.5	1,819,953.5	577.74				Average	
		point268	268	6,350,432.0	1,819,965.8	569.99				Average	
		point269	269	6,350,335.5	1,819,978.1	567.47				Average	
		point270	270	6,350,239.0	1,819,990.4	559.88				Average	
		point271	271	6,350,142.5	1,820,002.6	555.25				Average	
		point272	272	6,350,045.5	1,820,015.0	556.57				Average	
		point273	273	6,349,996.5	1,820,022.0	556.30				Average	
		point274	274	6,349,948.0	1,820,030.8	561.15				Average	
		point275	275	6,349,899.5	1,820,041.0	565.36				Average	
		point276	276	6,349,851.5	1,820,052.9	568.28				Average	
		point277	277	6,349,804.0	1,820,066.2	570.97				Average	
		point278	278	6,349,756.5	1,820,081.4	577.94				Average	
		point279	279	6,349,710.0	1,820,097.9	581.95				Average	
		point280	280	6,349,664.0	1,820,116.0	588.89				Average	
		point281	281	6,349,618.5	1,820,135.6	595.58				Average	
		point282	282	6,349,573.5	1,820,156.6	598.12				Average	
		point283	283	6,349,529.5	1,820,179.2	601.24				Average	
		point284	284	6,349,486.5	1,820,203.2	602.98				Average	
		point285	285	6,349,389.0	1,820,259.2	603.55				Average	
		point286	286	6,349,292.0	1,820,315.2	600.19				Average	
		point287	287	6,349,194.5	1,820,371.4	594.66				Average	

		point288	288	6,349,097.5	1,820,427.4	601.27				Average	
		point289	289	6,349,000.0	1,820,483.4	618.04				Average	
		point290	290	6,348,903.0	1,820,539.5	622.41				Average	
		point291	291	6,348,805.5	1,820,595.5	625.29					

Dudek 12 Septembe
M Greene TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 8207
RUN: OtyRnchVilg14PrctrVlly Yr 2030Rev 0817

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	520	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	660	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	540	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	1480	97	45	2	45	0	0	1	45	0	0
	point387	387	1480	97	45	2	45	0	0	1	45	0	0
	point445	445	1480	97	45	2	45	0	0	1	45	0	0
	point444	444	1480	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	2190	97	45	2	45	0	0	1	45	0	0
	point434	434	2190	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	3400	97	45	2	45	0	0	1	45	0	0
	point392	392	3400	97	45	2	45	0	0	1	45	0	0
	point430	430	3400	97	45	2	45	0	0	1	45	0	0
	point431	431	3400	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	970	97	40	2	40	0	0	1	40	0	0
	point428	428	970	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	1360	97	45	2	45	0	0	1	45	0	0

	point423	423	1360	97	45	2	45	0	0	1	45	0	0
	point424	424	1360	97	45	2	45	0	0	1	45	0	0
	point426	426	1360	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	2570	97	45	2	45	0	0	1	45	0	0
	point429	429	2570	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	40	97	45	2	45	0	0	1	45	0	0
	point446	446	40	97	45	2	45	0	0	1	45	0	0
	point447	447	40	97	45	2	45	0	0	1	45	0	0
	point448	448	40	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	910	97	45	2	45	0	0	1	45	0	0
	point437	437	910	97	45	2	45	0	0	1	45	0	0
	point435	435	910	97	45	2	45	0	0	1	45	0	0
	point436	436	910	97	45	2	45	0	0	1	45	0	0
	point406	406	910	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1720	97	45	2	45	0	0	1	45	0	0
	point438	438	1720	97	45	2	45	0	0	1	45	0	0
	point439	439	1720	97	45	2	45	0	0	1	45	0	0
	point440	440	1720	97	45	2	45	0	0	1	45	0	0
	point409	409	1720	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	3500	97	50	2	50	0	0	1	50	0	0
	point412	412	3500	97	50	2	50	0	0	1	50	0	0
	point441	441	3500	97	50	2	50	0	0	1	50	0	0
	point442	442	3500	97	50	2	50	0	0	1	50	0	0
	point443	443	3500	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1270	97	40	2	40	0	0	1	40	0	0
	point433	433	1270	97	40	2	40	0	0	1	40	0	0
	point432	432	1270	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	530	97	40	2	40	0	0	1	40	0	0
	point449	449	530	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Road	point378	378	620	97	45	2	45	0	0	1	45	0	0
	point376	376	620	97	45	2	45	0	0	1	45	0	0
	point374	374	620	97	45	2	45	0	0	1	45	0	0
	point372	372	620	97	45	2	45	0	0	1	45	0	0
	point292	292	620	97	45	2	45	0	0	1	45	0	0
	point293	293	620	97	45	2	45	0	0	1	45	0	0
	point294	294	620	97	45	2	45	0	0	1	45	0	0
	point295	295	620	97	45	2	45	0	0	1	45	0	0
	point296	296	620	97	45	2	45	0	0	1	45	0	0
	point297	297	620	97	45	2	45	0	0	1	45	0	0
	point298	298	620	1	45	2	45	0	0	1	45	0	0
	point299	299	620	97	45	2	45	0	0	1	45	0	0
	point300	300	620	97	45	2	45	0	0	1	45	0	0
	point301	301	620	97	45	2	45	0	0	1	45	0	0
	point302	302	620	97	45	2	45	0	0	1	45	0	0
	point303	303	620	97	45	2	45	0	0	1	45	0	0
	point304	304	620	97	45	2	45	0	0	1	45	0	0
	point305	305	620	97	45	2	45	0	0	1	45	0	0
	point306	306	620	97	45	2	45	0	0	1	45	0	0
	point307	307	620	97	45	2	45	0	0	1	45	0	0
	point308	308	620	97	45	2	45	0	0	1	45	0	0
	point309	309	620	97	45	2	45	0	0	1	45	0	0
	point310	310	620	97	45	2	45	0	0	1	45	0	0
	point311	311	620	97	45	2	45	0	0	1	45	0	0
	point312	312	620	97	45	2	45	0	0	1	45	0	0
	point313	313	620	97	45	2	45	0	0	1	45	0	0
	point314	314	620	97	45	2	45	0	0	1	45	0	0
	point315	315	620	97	45	2	45	0	0	1	45	0	0
	point317	317	620	97	45	2	45	0	0	1	45	0	0
	point318	318	620	97	45	2	45	0	0	1	45	0	0
	point319	319	620	97	45	2	45	0	0	1	45	0	0
	point320	320	620	97	45	2	45	0	0	1	45	0	0
	point321	321	620	97	45	2	45	0	0	1	45	0	0
	point322	322	620	97	45	2	45	0	0	1	45	0	0
	point323	323	620	97	45	2	45	0	0	1	45	0	0

	point324	324	620	97	45	2	45	0	0	1	45	0	0
	point326	326	620	97	45	2	45	0	0	1	45	0	0
	point327	327	620	97	45	2	45	0	0	1	45	0	0
	point328	328	620	97	45	2	45	0	0	1	45	0	0
	point329	329	620	97	45	2	45	0	0	1	45	0	0
	point330	330	620	97	45	2	45	0	0	1	45	0	0
	point331	331	620	97	45	2	45	0	0	1	45	0	0
	point332	332	620	97	45	2	45	0	0	1	45	0	0
	point333	333	620	97	45	2	45	0	0	1	45	0	0
	point334	334	620	97	45	2	45	0	0	1	45	0	0
	point335	335	620	97	45	2	45	0	0	1	45	0	0
	point336	336	620	97	45	2	45	0	0	1	45	0	0
	point337	337	620	97	45	2	45	0	0	1	45	0	0
	point338	338	620	97	45	2	45	0	0	1	45	0	0
	point339	339	620	97	45	2	45	0	0	1	45	0	0
	point340	340	620	97	45	2	45	0	0	1	45	0	0
	point341	341	620	97	45	2	45	0	0	1	45	0	0
	point342	342	620	97	45	2	45	0	0	1	45	0	0
	point343	343	620	97	45	2	45	0	0	1	45	0	0
	point344	344	620	97	45	2	45	0	0	1	45	0	0
	point345	345	620	97	45	2	45	0	0	1	45	0	0
	point346	346	620	97	45	2	45	0	0	1	45	0	0
	point347	347	620	97	45	2	45	0	0	1	45	0	0
	point348	348	620	97	45	2	45	0	0	1	45	0	0
	point349	349	620	97	45	2	45	0	0	1	45	0	0
	point350	350	620	97	45	2	45	0	0	1	45	0	0
	point351	351	620	97	45	2	45	0	0	1	45	0	0
	point352	352	620	97	45	2	45	0	0	1	45	0	0
	point353	353	620	97	45	2	45	0	0	1	45	0	0
	point354	354	620	97	45	2	45	0	0	1	45	0	0
	point355	355	620	97	45	2	45	0	0	1	45	0	0
	point356	356	620	97	45	2	45	0	0	1	45	0	0
	point357	357	620	97	45	2	45	0	0	1	45	0	0
	point358	358	620	97	45	2	45	0	0	1	45	0	0
	point359	359	620	97	45	2	45	0	0	1	45	0	0
	point360	360	620	97	45	2	45	0	0	1	45	0	0

	point361	361	620	97	45	2	45	0	0	1	45	0	0
	point362	362	620	97	45	2	45	0	0	1	45	0	0
	point363	363	620	97	45	2	45	0	0	1	45	0	0
	point364	364	620	97	45	2	45	0	0	1	45	0	0
	point365	365	620	97	45	2	45	0	0	1	45	0	0
	point5	5	620	97	45	2	45	0	0	1	45	0	0
	point7	7	620	97	45	2	45	0	0	1	45	0	0
	point10	10	620	97	45	2	45	0	0	1	45	0	0
	point11	11	620	97	45	2	45	0	0	1	45	0	0
	point12	12	620	97	45	2	45	0	0	1	45	0	0
	point13	13	620	97	45	2	45	0	0	1	45	0	0
	point14	14	620	97	45	2	45	0	0	1	45	0	0
	point15	15	620	97	45	2	45	0	0	1	45	0	0
	point16	16	620	97	45	2	45	0	0	1	45	0	0
	point17	17	620	97	45	2	45	0	0	1	45	0	0
	point18	18	620	97	45	2	45	0	0	1	45	0	0
	point19	19	620	97	45	2	45	0	0	1	45	0	0
	point20	20	620	97	45	2	45	0	0	1	45	0	0
	point21	21	620	97	45	2	45	0	0	1	45	0	0
	point22	22	620	97	45	2	45	0	0	1	45	0	0
	point23	23	620	97	45	2	45	0	0	1	45	0	0
	point24	24	620	97	45	2	45	0	0	1	45	0	0
	point25	25	620	97	45	2	45	0	0	1	45	0	0
	point26	26	620	97	45	2	45	0	0	1	45	0	0
	point27	27	620	97	45	2	45	0	0	1	45	0	0
	point28	28	620	97	45	2	45	0	0	1	45	0	0
	point29	29	620	97	45	2	45	0	0	1	45	0	0
	point30	30	620	97	45	2	45	0	0	1	45	0	0
	point31	31	620	97	45	2	45	0	0	1	45	0	0
	point32	32	620	97	45	2	45	0	0	1	45	0	0
	point33	33	620	97	45	2	45	0	0	1	45	0	0
	point34	34	620	97	45	2	45	0	0	1	45	0	0
	point35	35	620	97	45	2	45	0	0	1	45	0	0
	point36	36	620	97	45	2	45	0	0	1	45	0	0
	point37	37	620	97	45	2	45	0	0	1	45	0	0
	point38	38	620	97	45	2	45	0	0	1	45	0	0

	point39	39	620	97	45	2	45	0	0	1	45	0	0
	point40	40	620	97	45	2	45	0	0	1	45	0	0
	point41	41	620	97	45	2	45	0	0	1	45	0	0
	point42	42	620	97	45	2	45	0	0	1	45	0	0
	point43	43	620	97	45	2	45	0	0	1	45	0	0
	point44	44	620	97	45	2	45	0	0	1	45	0	0
	point45	45	620	97	45	2	45	0	0	1	45	0	0
	point46	46	620	97	45	2	45	0	0	1	45	0	0
	point47	47	620	97	45	2	45	0	0	1	45	0	0
	point48	48	620	97	45	2	45	0	0	1	45	0	0
	point49	49	620	97	45	2	45	0	0	1	45	0	0
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	point51	51	620	97	45	2	45	0	0	1	45	0	0
	point52	52	620	97	45	2	45	0	0	1	45	0	0
	point53	53	620	97	45	2	45	0	0	1	45	0	0
	point54	54	620	97	45	2	45	0	0	1	45	0	0
	point55	55	620	97	45	2	45	0	0	1	45	0	0
	point56	56	620	97	45	2	45	0	0	1	45	0	0
	point57	57	620	97	45	2	45	0	0	1	45	0	0
	point58	58	620	97	45	2	45	0	0	1	45	0	0
	point59	59	620	97	45	2	45	0	0	1	45	0	0
	point60	60	620	97	45	2	45	0	0	1	45	0	0
	point61	61	620	97	45	2	45	0	0	1	45	0	0
	point62	62	620	97	45	2	45	0	0	1	45	0	0
	point63	63	620	97	45	2	45	0	0	1	45	0	0
	point64	64	620	97	45	2	45	0	0	1	45	0	0
	point65	65	620	97	45	2	45	0	0	1	45	0	0
	point66	66	620	97	45	2	45	0	0	1	45	0	0
	point67	67	620	97	45	2	45	0	0	1	45	0	0
	point68	68	620	97	45	2	45	0	0	1	45	0	0
	point69	69	620	97	45	2	45	0	0	1	45	0	0
	point70	70	620	97	45	2	45	0	0	1	45	0	0
	point71	71	620	97	45	2	45	0	0	1	45	0	0
	point72	72	620	97	45	2	45	0	0	1	45	0	0
	point73	73	620	97	45	2	45	0	0	1	45	0	0
	point74	74	620	97	45	2	45	0	0	1	45	0	0

	point75	75	620	97	45	2	45	0	0	1	45	0	0
	point76	76	620	97	45	2	45	0	0	1	45	0	0
	point77	77	620	97	45	2	45	0	0	1	45	0	0
	point78	78	620	97	45	2	45	0	0	1	45	0	0
	point79	79	620	97	45	2	45	0	0	1	45	0	0
	point80	80	620	97	45	2	45	0	0	1	45	0	0
	point81	81	620	97	45	2	45	0	0	1	45	0	0
	point82	82	620	97	45	2	45	0	0	1	45	0	0
	point83	83	620	97	45	2	45	0	0	1	45	0	0
	point84	84	620	97	45	2	45	0	0	1	45	0	0
	point85	85	620	97	45	2	45	0	0	1	45	0	0
	point86	86	620	97	45	2	45	0	0	1	45	0	0
	point87	87	620	97	45	2	45	0	0	1	45	0	0
	point88	88	620	97	45	2	45	0	0	1	45	0	0
	point89	89	620	97	45	2	45	0	0	1	45	0	0
	point90	90	620	97	45	2	45	0	0	1	45	0	0
	point91	91	620	97	45	2	45	0	0	1	45	0	0
	point92	92	620	97	45	2	45	0	0	1	45	0	0
	point93	93	620	97	45	2	45	0	0	1	45	0	0
	point94	94	620	97	45	2	45	0	0	1	45	0	0
	point95	95	620	97	45	2	45	0	0	1	45	0	0
	point96	96	620	97	45	2	45	0	0	1	45	0	0
	point97	97	620	97	45	2	45	0	0	1	45	0	0
	point98	98	620	97	45	2	45	0	0	1	45	0	0
	point99	99	620	97	45	2	45	0	0	1	45	0	0
	point100	100	620	97	45	2	45	0	0	1	45	0	0
	point101	101	620	97	45	2	45	0	0	1	45	0	0
	point102	102	620	97	45	2	45	0	0	1	45	0	0
	point103	103	620	97	45	2	45	0	0	1	45	0	0
	point104	104	620	97	45	2	45	0	0	1	45	0	0
	point105	105	620	97	45	2	45	0	0	1	45	0	0
	point106	106	620	97	45	2	45	0	0	1	45	0	0
	point108	108	620	97	45	2	45	0	0	1	45	0	0
	point109	109	620	97	45	2	45	0	0	1	45	0	0
	point110	110	620	97	45	2	45	0	0	1	45	0	0
	point111	111	620	97	45	2	45	0	0	1	45	0	0

	point112	112	620	97	45	2	45	0	0	1	45	0	0
	point113	113	620	97	45	2	45	0	0	1	45	0	0
	point114	114	620	97	45	2	45	0	0	1	45	0	0
	point115	115	620	97	45	2	45	0	0	1	45	0	0
	point116	116	620	97	45	2	45	0	0	1	45	0	0
	point117	117	620	97	45	2	45	0	0	1	45	0	0
	point118	118	620	97	45	2	45	0	0	1	45	0	0
	point119	119	620	97	45	2	45	0	0	1	45	0	0
	point120	120	620	97	45	2	45	0	0	1	45	0	0
	point121	121	620	97	45	2	45	0	0	1	45	0	0
	point122	122	620	97	45	2	45	0	0	1	45	0	0
	point123	123	620	97	45	2	45	0	0	1	45	0	0
	point124	124	620	97	45	2	45	0	0	1	45	0	0
	point125	125	620	97	45	2	45	0	0	1	45	0	0
	point126	126	620	97	45	2	45	0	0	1	45	0	0
	point127	127	620	97	45	2	45	0	0	1	45	0	0
	point128	128	620	97	45	2	45	0	0	1	45	0	0
	point129	129	620	97	45	2	45	0	0	1	45	0	0
	point130	130	620	97	45	2	45	0	0	1	45	0	0
	point131	131	620	97	45	2	45	0	0	1	45	0	0
	point132	132	620	97	45	2	45	0	0	1	45	0	0
	point133	133	620	97	45	2	45	0	0	1	45	0	0
	point134	134	620	97	45	2	45	0	0	1	45	0	0
	point135	135	620	97	45	2	45	0	0	1	45	0	0
	point136	136	620	97	45	2	45	0	0	1	45	0	0
	point137	137	620	97	45	2	45	0	0	1	45	0	0
	point138	138	620	97	45	2	45	0	0	1	45	0	0
	point139	139	620	97	45	2	45	0	0	1	45	0	0
	point140	140	620	97	45	2	45	0	0	1	45	0	0
	point141	141	620	97	45	2	45	0	0	1	45	0	0
	point142	142	620	97	45	2	45	0	0	1	45	0	0
	point143	143	620	97	45	2	45	0	0	1	45	0	0
	point144	144	620	97	45	2	45	0	0	1	45	0	0
	point145	145	620	97	45	2	45	0	0	1	45	0	0
	point146	146	620	97	45	2	45	0	0	1	45	0	0
	point147	147	620	97	45	2	45	0	0	1	45	0	0

	point148	148	620	97	45	2	45	0	0	1	45	0	0
	point149	149	620	97	45	2	45	0	0	1	45	0	0
	point150	150	620	97	45	2	45	0	0	1	45	0	0
	point151	151	620	97	45	2	45	0	0	1	45	0	0
	point152	152	620	97	45	2	45	0	0	1	45	0	0
	point153	153	620	97	45	2	45	0	0	1	45	0	0
	point154	154	620	97	45	2	45	0	0	1	45	0	1
	point155	155	620	97	45	2	45	0	0	1	45	0	0
	point156	156	620	97	45	2	45	0	0	1	45	0	0
	point157	157	620	97	45	2	45	0	0	1	45	0	0
	point158	158	620	97	45	2	45	0	0	1	45	0	0
	point159	159	620	97	45	2	45	0	0	1	45	0	0
	point160	160	620	97	45	2	45	0	0	1	45	0	0
	point161	161	620	97	45	2	45	0	0	1	45	0	0
	point162	162	620	97	45	2	45	0	0	1	45	0	0
	point163	163	620	97	45	2	45	0	0	1	45	0	0
	point164	164	620	97	45	2	45	0	0	1	45	0	0
	point165	165	620	97	45	2	45	0	0	1	45	0	0
	point166	166	620	97	45	2	45	0	0	1	45	0	0
	point167	167	620	97	45	2	45	0	0	1	45	0	0
	point168	168	620	97	45	2	45	0	0	1	45	0	0
	point169	169	620	97	45	2	45	0	0	1	45	0	0
	point170	170	620	97	45	2	45	0	0	1	45	0	0
	point171	171	620	97	45	2	45	0	0	1	45	0	0
	point172	172	620	97	45	2	45	0	0	1	45	0	0
	point173	173	620	97	45	2	45	0	0	1	45	0	0
	point174	174	620	97	45	2	45	0	0	1	45	0	0
	point175	175	620	97	45	2	45	0	0	1	45	0	0
	point176	176	620	97	45	2	45	0	0	1	45	0	0
	point177	177	620	97	45	2	45	0	0	1	45	0	0
	point178	178	620	97	45	2	45	0	0	1	45	0	0
	point179	179	620	97	45	2	45	0	0	1	45	0	0
	point180	180	620	97	45	2	45	0	0	1	45	0	0
	point181	181	620	97	45	2	45	0	0	1	45	0	0
	point182	182	620	97	45	2	45	0	0	1	45	0	0
	point183	183	620	97	45	2	45	0	0	1	45	0	0

	point184	184	620	97	45	2	45	0	0	1	45	0	0
	point185	185	620	97	45	2	45	0	0	1	45	0	0
	point186	186	620	97	45	2	45	0	0	1	45	0	0
	point187	187	620	97	45	2	45	0	0	1	45	0	0
	point188	188	620	97	45	2	45	0	0	1	45	0	0
	point189	189	620	97	45	2	45	0	0	1	45	0	0
	point190	190	620	97	45	2	45	0	0	1	45	0	0
	point191	191	620	97	45	2	45	0	0	1	45	0	0
	point192	192	620	97	45	2	45	0	0	1	45	0	0
	point193	193	620	97	45	2	45	0	0	1	45	0	0
	point194	194	620	97	45	2	45	0	0	1	45	0	0
	point195	195	620	97	45	2	45	0	0	1	45	0	0
	point196	196	620	97	45	2	45	0	0	1	45	0	0
	point197	197	620	97	45	2	45	0	0	1	45	0	0
	point198	198	620	97	45	2	45	0	0	1	45	0	0
	point199	199	620	97	45	2	45	0	0	1	45	0	0
	point200	200	620	97	45	2	45	0	0	1	45	0	0
	point201	201	620	97	45	2	45	0	0	1	45	0	0
	point202	202	620	97	45	2	45	0	0	1	45	0	0
	point203	203	620	97	45	2	45	0	0	1	45	0	0
	point204	204	620	97	45	2	45	0	0	1	45	0	0
	point205	205	620	97	45	2	45	0	0	1	45	0	0
	point206	206	620	97	45	2	45	0	0	1	45	0	0
	point207	207	620	97	45	2	45	0	0	1	45	0	0
	point208	208	620	97	45	2	45	0	0	1	45	0	0
	point209	209	620	97	45	2	45	0	0	1	45	0	0
	point210	210	620	97	45	2	45	0	0	1	45	0	0
	point211	211	620	97	45	2	45	0	0	1	45	0	0
	point212	212	620	97	45	2	45	0	0	1	45	0	0
	point213	213	620	97	45	2	45	0	0	1	45	0	0
	point214	214	620	97	45	2	45	0	0	1	45	0	0
	point215	215	620	97	45	2	45	0	0	1	45	0	0
	point216	216	620	97	45	2	45	0	0	1	45	0	0
	point217	217	620	97	45	2	45	0	0	1	45	0	0
	point218	218	620	97	45	2	45	0	0	1	45	0	0
	point219	219	620	97	45	2	45	0	0	1	45	0	0

	point220	220	620	97	45	2	45	0	0	1	45	0	0
	point221	221	620	97	45	2	45	0	0	1	45	0	0
	point222	222	620	97	45	2	45	0	0	1	45	0	0
	point223	223	620	97	45	2	45	0	0	1	45	0	0
	point224	224	620	97	45	2	45	0	0	1	45	0	0
	point225	225	620	97	45	2	45	0	0	1	45	0	0
	point226	226	620	97	45	2	45	0	0	1	45	0	0
	point227	227	620	97	45	2	45	0	0	1	45	0	0
	point228	228	620	97	45	2	45	0	0	1	45	0	0
	point229	229	620	97	45	2	45	0	0	1	45	0	0
	point230	230	620	97	45	2	45	0	0	1	45	0	0
	point231	231	620	97	45	2	45	0	0	1	45	0	0
	point232	232	620	97	45	2	45	0	0	1	45	0	0
	point233	233	620	97	45	2	45	0	0	1	45	0	0
	point234	234	620	97	45	2	45	0	0	1	45	0	0
	point235	235	620	97	45	2	45	0	0	1	45	0	0
	point236	236	620	97	45	2	45	0	0	1	45	0	0
	point237	237	620	97	45	2	45	0	0	1	45	0	0
	point238	238	620	97	45	2	45	0	0	1	45	0	0
	point239	239	620	97	45	2	45	0	0	1	45	0	0
	point240	240	620	97	45	2	45	0	0	1	45	0	0
	point241	241	620	97	45	2	45	0	0	1	45	0	0
	point242	242	620	97	45	2	45	0	0	1	45	0	0
	point243	243	620	97	45	2	45	0	0	1	45	0	0
	point244	244	620	97	45	2	45	0	0	1	45	0	0
	point245	245	620	97	45	2	45	0	0	1	45	0	0
	point246	246	620	97	45	2	45	0	0	1	45	0	0
	point247	247	620	97	45	2	45	0	0	1	45	0	0
	point248	248	620	97	45	2	45	0	0	1	45	0	0
	point249	249	620	97	45	2	45	0	0	1	45	0	0
	point250	250	620	97	45	2	45	0	0	1	45	0	0
	point251	251	620	97	45	2	45	0	0	1	45	0	0
	point252	252	620	97	45	2	45	0	0	1	45	0	0
	point253	253	620	97	45	2	45	0	0	1	45	0	0
	point254	254	620	97	45	2	45	0	0	1	45	0	0
	point255	255	620	97	45	2	45	0	0	1	45	0	0

	point256	256	620	97	45	2	45	0	0	1	45	0	0
	point257	257	620	97	45	2	45	0	0	1	45	0	0
	point258	258	620	97	45	2	45	0	0	1	45	0	0
	point259	259	620	97	45	2	45	0	0	1	45	0	0
	point260	260	620	97	45	2	45	0	0	1	45	0	0
	point261	261	620	97	45	2	45	0	0	1	45	0	0
	point262	262	620	97	45	2	45	0	0	1	45	0	0
	point263	263	620	97	45	2	45	0	0	1	45	0	0
	point264	264	620	97	45	2	45	0	0	1	45	0	0
	point265	265	620	97	45	2	45	0	0	1	45	0	0
	point266	266	620	97	45	2	45	0	0	1	45	0	0
	point267	267	620	97	45	2	45	0	0	1	45	0	0
	point268	268	620	97	45	2	45	0	0	1	45	0	0
	point269	269	620	97	45	2	45	0	0	1	45	0	0
	point270	270	620	97	45	2	45	0	0	1	45	0	0
	point271	271	620	97	45	2	45	0	0	1	45	0	0
	point272	272	620	97	45	2	45	0	0	1	45	0	0
	point273	273	620	97	45	2	45	0	0	1	45	0	0
	point274	274	620	97	45	2	45	0	0	1	45	0	0
	point275	275	620	97	45	2	45	0	0	1	45	0	0
	point276	276	620	97	45	2	45	0	0	1	45	0	0
	point277	277	620	97	45	2	45	0	0	1	45	0	0
	point278	278	620	97	45	2	45	0	0	1	45	0	0
	point279	279	620	97	45	2	45	0	0	1	45	0	0
	point280	280	620	97	45	2	45	0	0	1	45	0	0
	point281	281	620	97	45	2	45	0	0	1	45	0	0
	point282	282	620	97	45	2	45	0	0	1	45	0	0
	point283	283	620	97	45	2	45	0	0	1	45	0	0
	point284	284	620	97	45	2	45	0	0	1	45	0	0
	point285	285	620	97	45	2	45	0	0	1	45	0	0
	point286	286	620	97	45	2	45	0	0	1	45	0	0
	point287	287	620	97	45	2	45	0	0	1	45	0	0
	point288	288	620	97	45	2	45	0	0	1	45	0	0
	point289	289	620	97	45	2	45	0	0	1	45	0	0
	point290	290	620	97	45	2	45	0	0	1	45	0	0
	point291	291											

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INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchVilg14PrctrVlly Yr 2030Rev 0817

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	10.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	10.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	10.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	10.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	10.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	10.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	10.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	10.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	10.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	10.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	10.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	10.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	10.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	10.0	8.0	Y
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	10.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	10.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	10.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	10.0	8.0	

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INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchVilg14PrctrVlly Yr 2030Rev 0817

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 Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0		
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00					

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Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: OtyRnchVilg14PrctrVlly Yr 2030Rev 0817
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	66.4	65	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	54.0	65	54.0	10	----	54.0	0.0	8	-8.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	55.3	65	55.3	10	----	55.3	0.0	8	-8.0
R4 MtMglRd - Lane Ave	9	1	0.0	65.2	65	65.2	10	Snd Lvl	65.2	0.0	8	-8.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	55.0	65	55.0	10	----	55.0	0.0	8	-8.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	56.5	65	56.5	10	----	56.5	0.0	8	-8.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	54.0	65	54.0	10	----	54.0	0.0	8	-8.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	59.4	65	59.4	10	----	59.4	0.0	8	-8.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	59.3	65	59.3	10	----	59.3	0.0	8	-8.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	53.4	65	53.4	10	----	53.4	0.0	8	-8.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	47.7	65	47.7	10	----	47.7	0.0	8	-8.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	54.5	65	54.5	10	----	54.5	0.0	8	-8.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	60.9	65	60.9	10	----	60.9	0.0	8	-8.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	60.0	65	60.0	10	----	60.0	0.0	8	-8.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	55.1	65	55.1	10	----	55.1	0.0	8	-8.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	60.2	65	60.2	10	----	60.2	0.0	8	-8.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	61.1	65	61.1	10	----	61.1	0.0	8	-8.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	62.6	65	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	18	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0

All that meet NR Goal		0	0.0	0.0	0.0								

Dudek					**12 September 2017**						
M Greene					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**8207**						**a State highway agency substantiates the use**				
RUN:	**OtyRnchV14PrctrVlly2030wProjRev 0817**						**of a different type with the approval of FHWA**				
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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Rd - Ent 7 to Ent 8	40.0	point845	845	6,360,531.5	1,833,317.4	906.00				Average	
		point847	847	6,360,575.5	1,833,349.5	907.90				Average	
		point848	848	6,360,599.5	1,833,371.0	909.90				Average	
		point849	849	6,360,619.5	1,833,396.1	911.90				Average	

		point850	850	6,360,635.5	1,833,424.1	913.80				Average	
		point851	851	6,360,691.0	1,833,542.9	922.50				Average	
		point852	852	6,360,706.0	1,833,570.1	924.20				Average	
		point853	853	6,360,725.0	1,833,594.6	924.70				Average	
		point854	854	6,360,747.5	1,833,615.9	925.20				Average	
		point855	855	6,360,829.5	1,833,682.5	927.00				Average	
		point856	856	6,360,855.5	1,833,707.2	927.50				Average	
		point857	857	6,360,876.0	1,833,736.1	928.20				Average	
		point858	858	6,360,891.5	1,833,768.2	929.40				Average	
		point859	859	6,360,896.5	1,833,806.6	930.60				Average	
		point860	860	6,360,896.5	1,833,838.9	931.80				Average	
		point861	861	6,360,896.5	1,834,681.8	923.90				Average	
		point862	862	6,360,893.5	1,834,739.8	919.80				Average	
		point863	863	6,360,885.0	1,834,798.1	915.70				Average	
		point864	864	6,360,878.0	1,834,855.4	911.70				Average	
		point893	893	6,360,868.5	1,834,918.4	908.80					
Proctor Valley Road - Ent 8 to Melody	25.0	point881	881	6,368,149.0	1,836,340.0	960.00				Average	
		point882	882	6,366,145.0	1,836,340.0	968.00				Average	
		point883	883	6,362,537.5	1,836,340.0	910.00					
Proctor Valley Road - Proj Ent 1 to Chula	60.0	point884	884	6,354,425.0	1,823,684.4	591.80				Average	
		point602	602	6,354,319.0	1,823,650.4	591.10				Average	
		point603	603	6,354,213.0	1,823,616.2	591.00				Average	
		point604	604	6,354,107.0	1,823,582.2	589.90				Average	
		point605	605	6,354,001.0	1,823,548.1	588.80				Average	
		point606	606	6,353,895.0	1,823,514.1	587.60				Average	
		point607	607	6,353,846.5	1,823,497.4	587.10				Average	
		point608	608	6,353,799.0	1,823,478.8	586.60				Average	
		point609	609	6,353,752.5	1,823,458.0	586.10				Average	
		point610	610	6,353,706.5	1,823,435.4	585.60				Average	
		point611	611	6,353,662.0	1,823,410.8	585.10				Average	
		point612	612	6,353,618.0	1,823,384.4	584.60				Average	
		point613	613	6,353,575.5	1,823,356.0	584.10				Average	
		point614	614	6,353,534.5	1,823,326.0	583.60				Average	
		point615	615	6,353,494.5	1,823,294.1	583.10				Average	
		point616	616	6,353,456.0	1,823,260.6	582.50				Average	
		point617	617	6,353,419.0	1,823,225.6	582.00				Average	
		point618	618	6,353,383.5	1,823,188.9	581.50				Average	
		point619	619	6,353,349.5	1,823,150.9	581.00				Average	
		point620	620	6,353,317.0	1,823,111.2	580.50				Average	

		point621	621	6,353,286.5	1,823,070.4	580.00				Average	
		point622	622	6,353,257.5	1,823,028.2	579.50				Average	
		point623	623	6,353,230.5	1,822,985.0	579.00				Average	
		point624	624	6,353,139.5	1,822,831.8	577.20				Average	
		point625	625	6,353,113.0	1,822,789.2	576.70				Average	
		point626	626	6,353,084.5	1,822,747.9	576.30				Average	
		point627	627	6,353,055.0	1,822,707.8	576.60				Average	
		point628	628	6,353,023.0	1,822,669.0	577.10				Average	
		point629	629	6,352,990.0	1,822,631.5	577.60				Average	
		point630	630	6,352,955.5	1,822,595.4	578.10				Average	
		point631	631	6,352,919.0	1,822,560.9	578.60				Average	
		point632	632	6,352,881.5	1,822,527.8	579.10				Average	
		point633	633	6,352,842.5	1,822,496.2	579.60				Average	
		point634	634	6,352,802.5	1,822,466.5	580.10				Average	
		point635	635	6,352,761.0	1,822,438.4	580.60				Average	
		point636	636	6,352,718.5	1,822,412.0	581.10				Average	
		point637	637	6,352,675.0	1,822,387.5	580.60				Average	
		point638	638	6,352,630.5	1,822,364.8	581.00				Average	
		point639	639	6,352,585.0	1,822,343.9	581.50				Average	
		point640	640	6,352,538.5	1,822,325.0	582.00				Average	
		point641	641	6,352,443.5	1,822,288.4	583.10				Average	
		point642	642	6,352,397.5	1,822,269.0	583.30				Average	
		point643	643	6,352,352.5	1,822,247.0	583.20				Average	
		point644	644	6,352,309.0	1,822,222.2	582.70				Average	
		point645	645	6,352,267.5	1,822,194.9	582.20				Average	
		point646	646	6,352,227.0	1,822,165.1	581.70				Average	
		point647	647	6,352,189.0	1,822,133.0	581.20				Average	
		point648	648	6,352,153.0	1,822,098.5	580.70				Average	
		point649	649	6,352,119.0	1,822,062.0	580.20				Average	
		point650	650	6,352,087.0	1,822,023.5	579.70				Average	
		point651	651	6,352,057.5	1,821,983.0	579.20				Average	
		point652	652	6,352,031.0	1,821,941.0	578.70				Average	
		point653	653	6,352,006.5	1,821,897.4	578.20				Average	
		point654	654	6,351,985.0	1,821,852.2	577.70				Average	
		point655	655	6,351,966.0	1,821,806.0	577.20				Average	
		point656	656	6,351,950.0	1,821,758.8	576.70				Average	
		point657	657	6,351,919.0	1,821,657.0	575.60				Average	
		point658	658	6,351,888.0	1,821,555.1	574.50				Average	
		point659	659	6,351,857.0	1,821,453.4	573.50				Average	

		point660	660	6,351,826.0	1,821,351.6	572.40				Average	
		point661	661	6,351,795.0	1,821,249.9	571.30				Average	
		point662	662	6,351,764.0	1,821,148.0	570.30				Average	
		point663	663	6,351,752.0	1,821,111.1	569.90				Average	
		point664	664	6,351,738.5	1,821,074.8	569.50				Average	
		point665	665	6,351,704.0	1,820,986.4	568.60				Average	
		point666	666	6,351,669.5	1,820,898.0	568.40				Average	
		point667	667	6,351,635.0	1,820,809.8	569.40				Average	
		point668	668	6,351,600.0	1,820,721.4	570.40				Average	
		point669	669	6,351,565.5	1,820,633.0	571.30				Average	
		point670	670	6,351,531.0	1,820,544.6	572.20				Average	
		point671	671	6,351,496.5	1,820,456.4	572.80				Average	
		point672	672	6,351,461.5	1,820,368.0	571.90				Average	
		point673	673	6,351,442.5	1,820,323.2	571.40				Average	
		point674	674	6,351,420.0	1,820,279.9	570.90				Average	
		point675	675	6,351,394.5	1,820,238.2	570.40				Average	
		point676	676	6,351,366.5	1,820,198.5	569.90				Average	
		point677	677	6,351,335.5	1,820,160.8	569.40				Average	
		point678	678	6,351,302.0	1,820,125.4	568.90				Average	
		point679	679	6,351,266.0	1,820,092.2	568.40				Average	
		point680	680	6,351,228.0	1,820,061.8	567.90				Average	
		point681	681	6,351,188.0	1,820,034.0	567.50				Average	
		point682	682	6,351,146.0	1,820,009.1	567.00				Average	
		point683	683	6,351,102.5	1,819,987.2	566.50				Average	
		point684	684	6,351,057.5	1,819,968.5	566.00				Average	
		point685	685	6,351,011.0	1,819,952.9	565.50				Average	
		point686	686	6,350,964.0	1,819,940.5	565.00				Average	
		point687	687	6,350,916.0	1,819,931.4	564.50				Average	
		point688	688	6,350,867.5	1,819,925.6	564.00				Average	
		point689	689	6,350,819.0	1,819,923.4	563.60				Average	
		point690	690	6,350,770.0	1,819,924.4	563.10				Average	
		point691	691	6,350,721.5	1,819,928.9	562.60				Average	
		point692	692	6,350,625.0	1,819,941.2	561.70				Average	
		point693	693	6,350,528.5	1,819,953.5	561.60				Average	
		point694	694	6,350,432.0	1,819,965.8	562.60				Average	
		point695	695	6,350,335.5	1,819,978.1	565.10				Average	
		point696	696	6,350,239.0	1,819,990.4	568.80				Average	
		point697	697	6,350,142.5	1,820,002.6	572.20				Average	
		point698	698	6,350,045.5	1,820,015.0	575.60				Average	

		point699	699	6,349,996.5	1,820,022.0	577.30				Average	
		point700	700	6,349,948.0	1,820,030.8	579.00				Average	
		point701	701	6,349,899.5	1,820,041.0	580.80				Average	
		point702	702	6,349,851.5	1,820,052.9	582.50				Average	
		point703	703	6,349,804.0	1,820,066.2	584.20				Average	
		point704	704	6,349,756.5	1,820,081.4	585.90				Average	
		point705	705	6,349,710.0	1,820,097.9	587.70				Average	
		point706	706	6,349,664.0	1,820,116.0	589.40				Average	
		point707	707	6,349,618.5	1,820,135.6	591.10				Average	
		point708	708	6,349,573.5	1,820,156.6	592.80				Average	
		point709	709	6,349,529.5	1,820,179.2	594.60				Average	
		point710	710	6,349,486.5	1,820,203.2	596.30				Average	
		point711	711	6,349,389.0	1,820,259.2	600.20				Average	
		point712	712	6,349,292.0	1,820,315.2	604.10				Average	
		point713	713	6,349,194.5	1,820,371.4	608.00				Average	
		point714	714	6,349,097.5	1,820,427.4	611.90				Average	
		point715	715	6,349,000.0	1,820,483.4	615.90				Average	
		point716	716	6,348,903.0	1,820,539.5	619.80				Average	
		point717	717	6,348,819.5	1,820,587.5	624.60					
Proctor Valley Road - Proj Ent 1 to 2	60.0	point886	886	6,354,855.5	1,824,377.8	603.80				Average	
		point592	592	6,354,808.0	1,824,274.2	602.10				Average	
		point593	593	6,354,761.0	1,824,170.8	600.40				Average	
		point594	594	6,354,713.5	1,824,067.2	598.60				Average	
		point595	595	6,354,692.5	1,824,024.8	597.90				Average	
		point596	596	6,354,668.5	1,823,983.8	597.20				Average	
		point597	597	6,354,641.5	1,823,944.5	596.40				Average	
		point598	598	6,354,612.5	1,823,907.2	595.70				Average	
		point599	599	6,354,550.0	1,823,833.0	594.20				Average	
		point885	885	6,354,487.5	1,823,758.6	593.10				Average	
		point601	601	6,354,425.0	1,823,684.4	591.80					
Proctor Valley Road - Proj Ent 2 to 3	60.0	point887	887	6,355,996.0	1,826,801.6	649.50				Average	
		point551	551	6,355,981.0	1,826,756.0	648.90				Average	
		point552	552	6,355,967.5	1,826,709.8	648.10				Average	
		point553	553	6,355,957.0	1,826,662.9	647.30				Average	
		point554	554	6,355,948.5	1,826,615.6	646.50				Average	
		point555	555	6,355,942.5	1,826,567.9	645.70				Average	
		point556	556	6,355,939.0	1,826,520.0	644.90				Average	
		point557	557	6,355,934.0	1,826,413.9	643.10				Average	
		point558	558	6,355,929.0	1,826,307.8	641.40				Average	

		point559	559	6,355,924.0	1,826,201.6	639.60				Average	
		point560	560	6,355,919.0	1,826,095.5	637.80				Average	
		point561	561	6,355,914.0	1,825,989.4	636.30				Average	
		point562	562	6,355,909.0	1,825,883.2	635.20				Average	
		point563	563	6,355,904.0	1,825,777.1	634.10				Average	
		point564	564	6,355,899.5	1,825,727.6	633.60				Average	
		point565	565	6,355,891.0	1,825,678.8	633.10				Average	
		point566	566	6,355,878.5	1,825,630.8	632.60				Average	
		point567	567	6,355,862.0	1,825,584.0	632.20				Average	
		point568	568	6,355,842.0	1,825,538.6	631.70				Average	
		point569	569	6,355,818.0	1,825,495.2	631.20				Average	
		point570	570	6,355,790.5	1,825,453.9	630.70				Average	
		point571	571	6,355,760.0	1,825,414.9	630.20				Average	
		point572	572	6,355,726.0	1,825,378.6	629.70				Average	
		point573	573	6,355,689.5	1,825,345.2	629.20				Average	
		point574	574	6,355,650.0	1,825,315.0	628.70				Average	
		point575	575	6,355,543.5	1,825,240.2	627.40				Average	
		point576	576	6,355,437.5	1,825,165.5	626.10				Average	
		point577	577	6,355,331.0	1,825,090.6	624.80				Average	
		point578	578	6,355,292.5	1,825,062.0	624.30				Average	
		point579	579	6,355,255.5	1,825,031.6	623.80				Average	
		point580	580	6,355,219.5	1,824,999.4	623.30				Average	
		point581	581	6,355,185.5	1,824,965.5	622.80				Average	
		point582	582	6,355,153.0	1,824,930.0	622.40				Average	
		point583	583	6,355,122.5	1,824,893.0	621.90				Average	
		point584	584	6,355,093.5	1,824,854.6	621.30				Average	
		point585	585	6,355,066.5	1,824,814.9	620.50				Average	
		point586	586	6,355,041.5	1,824,773.8	619.40				Average	
		point587	587	6,355,018.5	1,824,731.6	617.90				Average	
		point588	588	6,354,997.5	1,824,688.4	616.00				Average	
		point589	589	6,354,950.0	1,824,584.9	611.00				Average	
		point590	590	6,354,902.5	1,824,481.4	606.40				Average	
		point591	591	6,354,855.5	1,824,377.8	603.80					
Proctor Valley Road - Proj Ent 3 to 4	60.0	point888	888	6,356,791.0	1,827,626.9	692.80				Average	
		point533	533	6,356,707.0	1,827,562.4	689.10				Average	
		point534	534	6,356,623.5	1,827,497.8	684.20				Average	
		point535	535	6,356,593.5	1,827,474.2	682.40				Average	
		point536	536	6,356,564.0	1,827,450.1	680.70				Average	
		point537	537	6,356,535.0	1,827,425.5	679.00				Average	

		point538	538	6,356,445.5	1,827,348.0	673.40				Average	
		point539	539	6,356,356.0	1,827,270.5	667.50				Average	
		point540	540	6,356,266.5	1,827,193.0	662.30				Average	
		point541	541	6,356,231.0	1,827,160.6	660.20				Average	
		point542	542	6,356,197.0	1,827,126.5	658.30				Average	
		point543	543	6,356,165.0	1,827,090.6	656.40				Average	
		point544	544	6,356,134.5	1,827,053.2	655.00				Average	
		point545	545	6,356,106.5	1,827,014.5	653.80				Average	
		point546	546	6,356,080.0	1,826,974.2	652.90				Average	
		point547	547	6,356,056.0	1,826,932.8	652.10				Average	
		point548	548	6,356,033.5	1,826,890.0	650.40				Average	
		point549	549	6,356,014.0	1,826,846.2	650.50				Average	
		point550	550	6,355,996.0	1,826,801.6	649.50					
Proctor Valley Road - Proj Ent 4 to 5	60.0	point889	889	6,359,116.5	1,829,950.2	763.10				Average	
		point485	485	6,359,094.5	1,829,907.9	762.40				Average	
		point486	486	6,359,072.0	1,829,865.5	761.60				Average	
		point487	487	6,359,049.5	1,829,823.1	760.60				Average	
		point488	488	6,359,027.5	1,829,780.8	759.00				Average	
		point489	489	6,359,005.0	1,829,738.4	756.50				Average	
		point490	490	6,358,982.5	1,829,696.0	753.50				Average	
		point491	491	6,358,960.5	1,829,653.6	750.00				Average	
		point492	492	6,358,938.0	1,829,611.2	746.90				Average	
		point493	493	6,358,916.0	1,829,568.9	744.90				Average	
		point494	494	6,358,893.5	1,829,526.5	743.00				Average	
		point495	495	6,358,871.0	1,829,484.1	741.50				Average	
		point496	496	6,358,849.0	1,829,441.8	740.10				Average	
		point497	497	6,358,803.5	1,829,368.9	737.40				Average	
		point498	498	6,358,748.5	1,829,303.2	734.70				Average	
		point499	499	6,358,712.0	1,829,265.8	733.10				Average	
		point500	500	6,358,675.5	1,829,228.2	731.40				Average	
		point501	501	6,358,639.0	1,829,190.8	729.80				Average	
		point502	502	6,358,602.5	1,829,153.2	728.10				Average	
		point503	503	6,358,566.5	1,829,115.8	726.50				Average	
		point504	504	6,358,530.0	1,829,078.2	724.80				Average	
		point505	505	6,358,493.5	1,829,040.8	723.20				Average	
		point506	506	6,358,457.0	1,829,003.2	721.50				Average	
		point507	507	6,358,421.0	1,828,965.2	719.90				Average	
		point508	508	6,358,385.5	1,828,927.2	718.30				Average	
		point509	509	6,358,349.5	1,828,889.1	716.70				Average	

		point510	510	6,358,313.5	1,828,851.1	715.20				Average	
		point511	511	6,358,278.0	1,828,813.1	714.20				Average	
		point512	512	6,358,242.0	1,828,775.1	713.60				Average	
		point513	513	6,358,206.0	1,828,737.0	713.00				Average	
		point514	514	6,358,170.5	1,828,699.0	712.50				Average	
		point515	515	6,358,136.5	1,828,665.6	712.00				Average	
		point516	516	6,358,100.0	1,828,635.1	711.50				Average	
		point517	517	6,358,048.5	1,828,595.4	710.90				Average	
		point518	518	6,357,964.5	1,828,530.9	709.80				Average	
		point519	519	6,357,880.5	1,828,466.2	708.80				Average	
		point520	520	6,357,797.0	1,828,401.8	707.70				Average	
		point521	521	6,357,713.0	1,828,337.1	706.70				Average	
		point522	522	6,357,629.0	1,828,272.6	705.60				Average	
		point523	523	6,357,545.5	1,828,208.0	704.50				Average	
		point524	524	6,357,461.5	1,828,143.5	703.50				Average	
		point525	525	6,357,378.0	1,828,078.9	702.40				Average	
		point526	526	6,357,294.0	1,828,014.4	701.40				Average	
		point527	527	6,357,210.0	1,827,949.8	700.30				Average	
		point528	528	6,357,126.5	1,827,885.1	699.20				Average	
		point529	529	6,357,042.5	1,827,820.6	698.20				Average	
		point530	530	6,356,958.5	1,827,756.0	697.10				Average	
		point531	531	6,356,875.0	1,827,691.5	695.50				Average	
		point532	532	6,356,791.0	1,827,626.9	692.80					
Proctor Valley Road - Proj Ent 5 to 6	60.0	point890	890	6,359,518.0	1,831,098.8	836.00				Average	
		point461	461	6,359,514.5	1,831,048.6	835.30				Average	
		point462	462	6,359,510.0	1,830,998.5	834.10				Average	
		point463	463	6,359,504.0	1,830,948.6	832.80				Average	
		point464	464	6,359,496.5	1,830,898.9	831.00				Average	
		point465	465	6,359,488.0	1,830,849.4	829.00				Average	
		point466	466	6,359,478.0	1,830,800.0	825.70				Average	
		point467	467	6,359,467.0	1,830,751.0	822.20				Average	
		point468	468	6,359,455.0	1,830,702.2	818.00				Average	
		point469	469	6,359,441.5	1,830,653.9	813.80				Average	
		point470	470	6,359,427.0	1,830,605.8	809.70				Average	
		point471	471	6,359,411.0	1,830,558.0	805.50				Average	
		point472	472	6,359,394.0	1,830,510.8	801.30				Average	
		point473	473	6,359,375.5	1,830,463.9	797.10				Average	
		point474	474	6,359,356.0	1,830,417.5	793.00				Average	
		point475	475	6,359,335.5	1,830,371.6	788.80				Average	

		point476	476	6,359,314.0	1,830,326.4	784.70				Average	
		point477	477	6,359,291.0	1,830,281.6	780.60				Average	
		point478	478	6,359,235.5	1,830,176.4	772.20				Average	
		point479	479	6,359,219.5	1,830,143.0	769.80				Average	
		point480	480	6,359,203.5	1,830,105.4	768.00				Average	
		point481	481	6,359,187.0	1,830,067.8	766.70				Average	
		point482	482	6,359,164.0	1,830,021.8	765.10				Average	
		point483	483	6,359,136.5	1,829,978.2	763.40				Average	
		point484	484	6,359,116.5	1,829,950.2	763.10					
Proctor Valley Road - West Fork	40.0	point891	891	6,360,476.5	1,835,546.8	884.80				Average	
		point763	763	6,360,443.5	1,835,500.8	885.50				Average	
		point764	764	6,360,416.5	1,835,458.5	886.20				Average	
		point765	765	6,360,393.5	1,835,413.6	886.80				Average	
		point766	766	6,360,375.5	1,835,366.8	887.00				Average	
		point767	767	6,360,368.0	1,835,342.8	887.20				Average	
		point768	768	6,360,354.5	1,835,294.0	886.60				Average	
		point769	769	6,360,341.5	1,835,245.4	885.90				Average	
		point770	770	6,360,328.0	1,835,196.6	885.00				Average	
		point771	771	6,360,314.5	1,835,148.0	884.00				Average	
		point772	772	6,360,300.5	1,835,099.4	883.20				Average	
		point773	773	6,360,285.0	1,835,051.4	882.50				Average	
		point774	774	6,360,269.0	1,835,003.5	882.20				Average	
		point775	775	6,360,253.0	1,834,955.5	882.50				Average	
		point776	776	6,360,237.0	1,834,907.6	883.20				Average	
		point777	777	6,360,226.5	1,834,870.4	883.90				Average	
		point778	778	6,360,218.5	1,834,832.5	884.70				Average	
		point779	779	6,360,209.5	1,834,780.4	886.50				Average	
		point780	780	6,360,201.0	1,834,728.2	888.30				Average	
		point781	781	6,360,192.0	1,834,676.0	890.60				Average	
		point782	782	6,360,183.5	1,834,623.9	892.80				Average	
		point783	783	6,360,173.5	1,834,572.0	895.00				Average	
		point784	784	6,360,163.5	1,834,520.0	897.20				Average	
		point785	785	6,360,153.5	1,834,468.1	899.50				Average	
		point786	786	6,360,144.0	1,834,416.1	901.70				Average	
		point787	787	6,360,134.0	1,834,364.2	904.00				Average	
		point788	788	6,360,127.0	1,834,312.8	906.20				Average	
		point789	789	6,360,125.0	1,834,261.0	908.30				Average	
		point790	790	6,360,129.0	1,834,209.2	909.70				Average	
		point791	791	6,360,138.0	1,834,158.1	910.90				Average	

		point792	792	6,360,152.0	1,834,108.2	912.20				Average	
		point793	793	6,360,171.5	1,834,060.1	912.80				Average	
		point794	794	6,360,474.5	1,833,407.5	907.20				Average	
		point795	795	6,360,484.5	1,833,386.6	907.10				Average	
		point796	796	6,360,508.0	1,833,346.5	906.90				Average	
		point797	797	6,360,535.0	1,833,308.6	906.70					
Proctor Valley Road - Ent 8 to Melody	40.0	point876	876	6,362,537.5	1,836,340.0	910.00				Average	
		point877	877	6,362,460.5	1,836,102.2	904.00				Average	
		point878	878	6,361,350.0	1,836,103.2	904.20				Average	
		point879	879	6,361,272.5	1,836,104.5	901.80				Average	
		point880	880	6,361,198.5	1,836,106.0	901.10				Average	
		point450	450	6,361,196.5	1,836,105.6	901.10				Average	
		point452	452	6,361,145.0	1,836,103.8	900.90				Average	
		point746	746	6,361,094.0	1,836,096.6	901.80				Average	
		point747	747	6,361,044.0	1,836,084.2	901.90				Average	
		point748	748	6,360,995.5	1,836,066.8	902.00				Average	
		point749	749	6,360,949.0	1,836,044.4	902.10				Average	
		point750	750	6,360,905.0	1,836,017.4	902.20				Average	
		point751	751	6,360,864.5	1,835,986.0	901.00				Average	
		point752	752	6,360,817.5	1,835,945.9	899.60				Average	
		point753	753	6,360,770.5	1,835,905.8	897.60				Average	
		point754	754	6,360,723.5	1,835,865.8	894.90				Average	
		point755	755	6,360,705.0	1,835,849.5	893.80				Average	
		point756	756	6,360,671.5	1,835,814.6	891.70				Average	
		point757	757	6,360,641.5	1,835,776.6	889.60				Average	
		point758	758	6,360,608.5	1,835,730.6	888.20				Average	
		point759	759	6,360,575.5	1,835,684.6	887.30				Average	
		point760	760	6,360,542.5	1,835,638.8	886.50				Average	
		point761	761	6,360,509.5	1,835,592.8	885.50				Average	
		point762	762	6,360,476.5	1,835,546.8	884.80					
Proctor Valley Road - Proj Ent 6 to 7	60.0	point892	892	6,360,535.0	1,833,308.6	906.70				Average	
		point798	798	6,360,565.5	1,833,273.4	906.00				Average	
		point799	799	6,360,677.0	1,833,156.2	901.10				Average	
		point800	800	6,360,710.0	1,833,117.9	899.00				Average	
		point801	801	6,360,739.0	1,833,076.4	896.70				Average	
		point802	802	6,360,763.5	1,833,032.1	894.50				Average	
		point803	803	6,360,783.5	1,832,985.6	892.30				Average	
		point804	804	6,360,798.5	1,832,937.2	890.50				Average	
		point805	805	6,360,809.0	1,832,887.8	888.80				Average	

		point806	806	6,360,814.0	1,832,837.4	888.30				Average	
		point807	807	6,360,814.0	1,832,786.8	887.80				Average	
		point808	808	6,360,809.0	1,832,736.4	887.20				Average	
		point809	809	6,360,799.0	1,832,686.8	886.80				Average	
		point810	810	6,360,784.0	1,832,638.5	887.60				Average	
		point811	811	6,360,722.5	1,832,472.2	893.10				Average	
		point812	812	6,360,714.5	1,832,452.8	894.00				Average	
		point813	813	6,360,706.0	1,832,433.5	894.90				Average	
		point814	814	6,360,697.0	1,832,414.6	895.70				Average	
		point815	815	6,360,686.5	1,832,396.1	896.60				Average	
		point816	816	6,360,676.0	1,832,378.1	897.60				Average	
		point817	817	6,360,664.0	1,832,360.6	898.70				Average	
		point818	818	6,360,652.0	1,832,343.5	900.40				Average	
		point819	819	6,360,639.0	1,832,327.0	898.00				Average	
		point820	820	6,360,469.5	1,832,122.2	908.10				Average	
		point821	821	6,360,452.5	1,832,102.6	908.40				Average	
		point822	822	6,360,435.0	1,832,083.8	908.80				Average	
		point823	823	6,360,416.5	1,832,065.6	909.10				Average	
		point824	824	6,360,397.0	1,832,048.4	909.50				Average	
		point825	825	6,360,377.0	1,832,032.0	909.80				Average	
		point826	826	6,360,356.0	1,832,016.5	910.10				Average	
		point827	827	6,360,335.0	1,832,001.9	910.20				Average	
		point828	828	6,360,313.0	1,831,988.1	910.00				Average	
		point829	829	6,360,290.0	1,831,975.4	909.80				Average	
		point830	830	6,360,267.0	1,831,963.8	909.60				Average	
		point831	831	6,359,717.0	1,831,699.0	876.40				Average	
		point832	832	6,359,693.5	1,831,686.6	874.40				Average	
		point833	833	6,359,671.0	1,831,672.4	872.30				Average	
		point834	834	6,359,649.5	1,831,656.5	870.30				Average	
		point835	835	6,359,629.5	1,831,639.1	868.20				Average	
		point836	836	6,359,611.0	1,831,620.2	866.20				Average	
		point837	837	6,359,593.5	1,831,599.9	864.10				Average	
		point838	838	6,359,578.0	1,831,578.4	862.00				Average	
		point839	839	6,359,564.0	1,831,555.8	860.00				Average	
		point840	840	6,359,552.0	1,831,532.1	857.80				Average	
		point841	841	6,359,541.5	1,831,507.6	855.00				Average	
		point842	842	6,359,533.0	1,831,482.4	852.40				Average	
		point843	843	6,359,526.5	1,831,456.6	851.00				Average	
		point453	453	6,359,522.0	1,831,430.4	849.50				Average	

		point454	454	6,359,519.5	1,831,403.9	847.60				Average	
		point455	455	6,359,519.0	1,831,377.2	845.70				Average	
		point456	456	6,359,519.0	1,831,350.9	844.60				Average	
		point457	457	6,359,521.0	1,831,249.5	840.40				Average	
		point458	458	6,359,521.5	1,831,199.2	838.00				Average	
		point459	459	6,359,520.5	1,831,149.0	836.90				Average	
		point460	460	6,359,518.0	1,831,098.8	836.00					
Proctor Valley Rd - Ent 8 to Melody	40.0	point894	894	6,360,868.0	1,834,920.0	908.80				Average	
		point865	865	6,360,849.0	1,834,975.9	905.90				Average	
		point866	866	6,360,820.5	1,835,031.9	902.60				Average	
		point867	867	6,360,794.0	1,835,089.8	899.20				Average	
		point868	868	6,360,762.5	1,835,145.4	896.00				Average	
		point869	869	6,360,662.0	1,835,308.8	889.20				Average	
		point870	870	6,360,643.0	1,835,337.8	888.10				Average	
		point871	871	6,360,622.5	1,835,365.6	887.30				Average	
		point872	872	6,360,591.0	1,835,402.4	886.40				Average	
		point873	873	6,360,556.5	1,835,436.6	885.70				Average	
		point874	874	6,360,529.5	1,835,460.1	885.40				Average	
		point875	875	6,360,503.5	1,835,480.4	885.10				Average	
		point846	846	6,360,457.0	1,835,513.6	884.50					

Dudek 12 Septembe
M Greene TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProjRev 0817

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	550	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	690	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	560	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	2550	97	45	2	45	0	0	1	45	0	0
	point387	387	2550	97	45	2	45	0	0	1	45	0	0
	point445	445	2550	97	45	2	45	0	0	1	45	0	0
	point444	444	2550	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	3020	97	45	2	45	0	0	1	45	0	0
	point434	434	3020	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	4040	97	45	2	45	0	0	1	45	0	0
	point392	392	4040	97	45	2	45	0	0	1	45	0	0
	point430	430	4040	97	45	2	45	0	0	1	45	0	0
	point431	431	4040	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	1070	97	40	2	40	0	0	1	40	0	0
	point428	428	1070	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	1460	97	45	2	45	0	0	1	45	0	0

	point423	423	1460	97	45	2	45	0	0	1	45	0	0
	point424	424	1460	97	45	2	45	0	0	1	45	0	0
	point426	426	1460	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	3080	97	45	2	45	0	0	1	45	0	0
	point429	429	3080	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	120	97	45	2	45	0	0	1	45	0	0
	point446	446	120	97	45	2	45	0	0	1	45	0	0
	point447	447	120	97	45	2	45	0	0	1	45	0	0
	point448	448	120	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	1140	97	45	2	45	0	0	1	45	0	0
	point437	437	1140	97	45	2	45	0	0	1	45	0	0
	point435	435	1140	97	45	2	45	0	0	1	45	0	0
	point436	436	1140	97	45	2	45	0	0	1	45	0	0
	point406	406	1140	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1850	97	45	2	45	0	0	1	45	0	0
	point438	438	1850	97	45	2	45	0	0	1	45	0	0
	point439	439	1850	97	45	2	45	0	0	1	45	0	0
	point440	440	1850	97	45	2	45	0	0	1	45	0	0
	point409	409	1850	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	3540	97	50	2	50	0	0	1	50	0	0
	point412	412	3540	97	50	2	50	0	0	1	50	0	0
	point441	441	3540	97	50	2	50	0	0	1	50	0	0
	point442	442	3540	97	50	2	50	0	0	1	50	0	0
	point443	443	3540	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1440	97	40	2	40	0	0	1	40	0	0
	point433	433	1440	97	40	2	40	0	0	1	40	0	0
	point432	432	1440	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	550	97	40	2	40	0	0	1	40	0	0
	point449	449	550	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Rd - Ent 7 to Ent 8	point845	845	847	97	45	2	45	0	0	1	45	0	0
	point847	847	847	97	45	2	45	0	0	1	45	0	0
	point848	848	847	97	45	2	45	0	0	1	45	0	0
	point849	849	847	97	45	2	45	0	0	1	45	0	0
	point850	850	847	97	45	2	45	0	0	1	45	0	0
	point851	851	847	97	45	2	45	0	0	1	45	0	0
	point852	852	847	97	45	2	45	0	0	1	45	0	0
	point853	853	847	97	45	2	45	0	0	1	45	0	0
	point854	854	847	97	45	2	45	0	0	1	45	0	0
	point855	855	847	97	45	2	45	0	0	1	45	0	0
	point856	856	847	97	45	2	45	0	0	1	45	0	0
	point857	857	847	97	45	2	45	0	0	1	45	0	0
	point858	858	847	97	45	2	45	0	0	1	45	0	0
	point859	859	847	97	45	2	45	0	0	1	45	0	0
	point860	860	847	97	45	2	45	0	0	1	45	0	0
	point861	861	847	97	45	2	45	0	0	1	45	0	0
	point862	862	847	97	45	2	45	0	0	1	45	0	0
	point863	863	847	97	45	2	45	0	0	1	45	0	0
	point864	864	847	97	45	2	45	0	0	1	45	0	0
	point893	893											
Proctor Valley Road - Ent 8 to Melody	point881	881	690	97	45	2	45	0	0	1	45	0	0
	point882	882	690	97	45	2	45	0	0	1	45	0	0
	point883	883											
Proctor Valley Road - Proj Ent 1 to Chula	point884	884	2940	97	45	2	45	0	0	1	45	0	0
	point602	602	2940	97	45	2	45	0	0	1	45	0	0
	point603	603	2940	97	45	2	45	0	0	1	45	0	0
	point604	604	2940	97	45	2	45	0	0	1	45	0	0
	point605	605	2940	97	45	2	45	0	0	1	45	0	0
	point606	606	2940	97	45	2	45	0	0	1	45	0	0
	point607	607	2940	97	45	2	45	0	0	1	45	0	0
	point608	608	2940	97	45	2	45	0	0	1	45	0	0
	point609	609	2940	97	45	2	45	0	0	1	45	0	0
	point610	610	2940	97	45	2	45	0	0	1	45	0	0
	point611	611	2940	97	45	2	45	0	0	1	45	0	0
	point612	612	2940	97	45	2	45	0	0	1	45	0	0

	point613	613	2940	97	45	2	45	0	0	1	45	0	0
	point614	614	2940	97	45	2	45	0	0	1	45	0	0
	point615	615	2940	97	45	2	45	0	0	1	45	0	0
	point616	616	2940	97	45	2	45	0	0	1	45	0	0
	point617	617	2940	97	45	2	45	0	0	1	45	0	0
	point618	618	2940	97	45	2	45	0	0	1	45	0	0
	point619	619	2940	97	45	2	45	0	0	1	45	0	0
	point620	620	2940	97	45	2	45	0	0	1	45	0	0
	point621	621	2940	97	45	2	45	0	0	1	45	0	0
	point622	622	2940	97	45	2	45	0	0	1	45	0	0
	point623	623	2940	97	45	2	45	0	0	1	45	0	0
	point624	624	2940	97	45	2	45	0	0	1	45	0	0
	point625	625	2940	97	45	2	45	0	0	1	45	0	0
	point626	626	2940	97	45	2	45	0	0	1	45	0	0
	point627	627	2940	97	45	2	45	0	0	1	45	0	0
	point628	628	2940	97	45	2	45	0	0	1	45	0	0
	point629	629	2940	97	45	2	45	0	0	1	45	0	0
	point630	630	2940	97	45	2	45	0	0	1	45	0	0
	point631	631	2940	97	45	2	45	0	0	1	45	0	0
	point632	632	2940	97	45	2	45	0	0	1	45	0	0
	point633	633	2940	97	45	2	45	0	0	1	45	0	0
	point634	634	2940	97	45	2	45	0	0	1	45	0	0
	point635	635	2940	97	45	2	45	0	0	1	45	0	0
	point636	636	2940	97	45	2	45	0	0	1	45	0	0
	point637	637	2940	97	45	2	45	0	0	1	45	0	0
	point638	638	2940	97	45	2	45	0	0	1	45	0	0
	point639	639	2940	97	45	2	45	0	0	1	45	0	0
	point640	640	2940	97	45	2	45	0	0	1	45	0	0
	point641	641	2940	97	45	2	45	0	0	1	45	0	0
	point642	642	2940	97	45	2	45	0	0	1	45	0	0
	point643	643	2940	97	45	2	45	0	0	1	45	0	0
	point644	644	2940	97	45	2	45	0	0	1	45	0	0
	point645	645	2940	97	45	2	45	0	0	1	45	0	0
	point646	646	2940	97	45	2	45	0	0	1	45	0	0
	point647	647	2940	97	45	2	45	0	0	1	45	0	0
	point648	648	2940	97	45	2	45	0	0	1	45	0	0

	point649	649	2940	97	45	2	45	0	0	1	45	0	0
	point650	650	2940	97	45	2	45	0	0	1	45	0	0
	point651	651	2940	97	45	2	45	0	0	1	45	0	0
	point652	652	2940	97	45	2	45	0	0	1	45	0	0
	point653	653	2940	97	45	2	45	0	0	1	45	0	0
	point654	654	2940	97	45	2	45	0	0	1	45	0	0
	point655	655	2940	97	45	2	45	0	0	1	45	0	0
	point656	656	2940	97	45	2	45	0	0	1	45	0	0
	point657	657	2940	97	45	2	45	0	0	1	45	0	0
	point658	658	2940	97	45	2	45	0	0	1	45	0	0
	point659	659	2940	97	45	2	45	0	0	1	45	0	0
	point660	660	2940	97	45	2	45	0	0	1	45	0	0
	point661	661	2940	97	45	2	45	0	0	1	45	0	0
	point662	662	2940	97	45	2	45	0	0	1	45	0	0
	point663	663	2940	97	45	2	45	0	0	1	45	0	0
	point664	664	2940	97	45	2	45	0	0	1	45	0	0
	point665	665	2940	97	45	2	45	0	0	1	45	0	0
	point666	666	2940	97	45	2	45	0	0	1	45	0	0
	point667	667	2940	97	45	2	45	0	0	1	45	0	0
	point668	668	2940	97	45	2	45	0	0	1	45	0	0
	point669	669	2940	97	45	2	45	0	0	1	45	0	0
	point670	670	2940	97	45	2	45	0	0	1	45	0	0
	point671	671	2940	97	45	2	45	0	0	1	45	0	0
	point672	672	2940	97	45	2	45	0	0	1	45	0	0
	point673	673	2940	97	45	2	45	0	0	1	45	0	0
	point674	674	2940	97	45	2	45	0	0	1	45	0	0
	point675	675	2940	97	45	2	45	0	0	1	45	0	0
	point676	676	2940	97	45	2	45	0	0	1	45	0	0
	point677	677	2940	97	45	2	45	0	0	1	45	0	0
	point678	678	2940	97	45	2	45	0	0	1	45	0	0
	point679	679	2940	97	45	2	45	0	0	1	45	0	0
	point680	680	2940	97	45	2	45	0	0	1	45	0	0
	point681	681	2940	97	45	2	45	0	0	1	45	0	0
	point682	682	2940	97	45	2	45	0	0	1	45	0	0
	point683	683	2940	97	45	2	45	0	0	1	45	0	0
	point684	684	2940	97	45	2	45	0	0	1	45	0	0

	point685	685	2940	97	45	2	45	0	0	1	45	0	0
	point686	686	2940	97	45	2	45	0	0	1	45	0	0
	point687	687	2940	97	45	2	45	0	0	1	45	0	0
	point688	688	2940	97	45	2	45	0	0	1	45	0	0
	point689	689	2940	97	45	2	45	0	0	1	45	0	0
	point690	690	2940	97	45	2	45	0	0	1	45	0	0
	point691	691	2940	97	45	2	45	0	0	1	45	0	0
	point692	692	2940	97	45	2	45	0	0	1	45	0	0
	point693	693	2940	97	45	2	45	0	0	1	45	0	0
	point694	694	2940	97	45	2	45	0	0	1	45	0	0
	point695	695	2940	97	45	2	45	0	0	1	45	0	0
	point696	696	2940	97	45	2	45	0	0	1	45	0	0
	point697	697	2940	97	45	2	45	0	0	1	45	0	0
	point698	698	2940	97	45	2	45	0	0	1	45	0	0
	point699	699	2940	97	45	2	45	0	0	1	45	0	0
	point700	700	2940	97	45	2	45	0	0	1	45	0	0
	point701	701	2940	97	45	2	45	0	0	1	45	0	0
	point702	702	2940	97	45	2	45	0	0	1	45	0	0
	point703	703	2940	97	45	2	45	0	0	1	45	0	0
	point704	704	2940	97	45	2	45	0	0	1	45	0	0
	point705	705	2940	97	45	2	45	0	0	1	45	0	0
	point706	706	2940	97	45	2	45	0	0	1	45	0	0
	point707	707	2940	97	45	2	45	0	0	1	45	0	0
	point708	708	2940	97	45	2	45	0	0	1	45	0	0
	point709	709	2940	97	45	2	45	0	0	1	45	0	0
	point710	710	2940	97	45	2	45	0	0	1	45	0	0
	point711	711	2940	97	45	2	45	0	0	1	45	0	0
	point712	712	2940	97	45	2	45	0	0	1	45	0	0
	point713	713	2940	97	45	2	45	0	0	1	45	0	0
	point714	714	2940	97	45	2	45	0	0	1	45	0	0
	point715	715	2940	97	45	2	45	0	0	1	45	0	0
	point716	716	2940	97	45	2	45	0	0	1	45	0	0
	point717	717											
Proctor Valley Road - Proj Ent 1 to 2	point886	886	2770	97	45	2	45	0	0	1	45	0	0
	point592	592	2770	97	45	2	45	0	0	1	45	0	0
	point593	593	2770	97	45	2	45	0	0	1	45	0	0

	point594	594	2770	97	45	2	45	0	0	1	45	0	0
	point595	595	2770	97	45	2	45	0	0	1	45	0	0
	point596	596	2770	97	45	2	45	0	0	1	45	0	0
	point597	597	2770	97	45	2	45	0	0	1	45	0	0
	point598	598	2770	97	45	2	45	0	0	1	45	0	0
	point599	599	2770	97	45	2	45	0	0	1	45	0	0
	point885	885	2770	97	45	2	45	0	0	1	45	0	0
	point601	601											
Proctor Valley Road - Proj Ent 2 to 3	point887	887	2400	97	45	2	45	0	0	1	45	0	0
	point551	551	2400	97	45	2	45	0	0	1	45	0	0
	point552	552	2400	97	45	2	45	0	0	1	45	0	0
	point553	553	2400	97	45	2	45	0	0	1	45	0	0
	point554	554	2400	97	45	2	45	0	0	1	45	0	0
	point555	555	2400	97	45	2	45	0	0	1	45	0	0
	point556	556	2400	97	45	2	45	0	0	1	45	0	0
	point557	557	2400	97	45	2	45	0	0	1	45	0	0
	point558	558	2400	97	45	2	45	0	0	1	45	0	0
	point559	559	2400	97	45	2	45	0	0	1	45	0	0
	point560	560	2400	97	45	2	45	0	0	1	45	0	0
	point561	561	2400	97	45	2	45	0	0	1	45	0	0
	point562	562	2400	97	45	2	45	0	0	1	45	0	0
	point563	563	2400	97	45	2	45	0	0	1	45	0	0
	point564	564	2400	97	45	2	45	0	0	1	45	0	0
	point565	565	2400	97	45	2	45	0	0	1	45	0	0
	point566	566	2400	97	45	2	45	0	0	1	45	0	0
	point567	567	2400	97	45	2	45	0	0	1	45	0	0
	point568	568	2400	97	45	2	45	0	0	1	45	0	0
	point569	569	2400	97	45	2	45	0	0	1	45	0	0
	point570	570	2400	97	45	2	45	0	0	1	45	0	0
	point571	571	2400	97	45	2	45	0	0	1	45	0	0
	point572	572	2400	97	45	2	45	0	0	1	45	0	0
	point573	573	2400	97	45	2	45	0	0	1	45	0	0
	point574	574	2400	97	45	2	45	0	0	1	45	0	0
	point575	575	2400	97	45	2	45	0	0	1	45	0	0
	point576	576	2400	97	45	2	45	0	0	1	45	0	0
	point577	577	2400	97	45	2	45	0	0	1	45	0	0

	point578	578	2400	97	45	2	45	0	0	1	45	0	0
	point579	579	2400	97	45	2	45	0	0	1	45	0	0
	point580	580	2400	97	45	2	45	0	0	1	45	0	0
	point581	581	2400	97	45	2	45	0	0	1	45	0	0
	point582	582	2400	97	45	2	45	0	0	1	45	0	0
	point583	583	2400	97	45	2	45	0	0	1	45	0	0
	point584	584	2400	97	45	2	45	0	0	1	45	0	0
	point585	585	2400	97	45	2	45	0	0	1	45	0	0
	point586	586	2400	97	45	2	45	0	0	1	45	0	0
	point587	587	2400	97	45	2	45	0	0	1	45	0	0
	point588	588	2400	97	45	2	45	0	0	1	45	0	0
	point589	589	2400	97	45	2	45	0	0	1	45	0	0
	point590	590	2400	97	45	2	45	0	0	1	45	0	0
	point591	591											
Proctor Valley Road - Proj Ent 3 to 4	point888	888	2390	97	45	2	45	0	0	1	45	0	0
	point533	533	2390	97	45	2	45	0	0	1	45	0	0
	point534	534	2390	97	45	2	45	0	0	1	45	0	0
	point535	535	2390	97	45	2	45	0	0	1	45	0	0
	point536	536	2390	97	45	2	45	0	0	1	45	0	0
	point537	537	2390	97	45	2	45	0	0	1	45	0	0
	point538	538	2390	97	45	2	45	0	0	1	45	0	0
	point539	539	2390	97	45	2	45	0	0	1	45	0	0
	point540	540	2390	97	45	2	45	0	0	1	45	0	0
	point541	541	2390	97	45	2	45	0	0	1	45	0	0
	point542	542	2390	97	45	2	45	0	0	1	45	0	0
	point543	543	2390	97	45	2	45	0	0	1	45	0	0
	point544	544	2390	97	45	2	45	0	0	1	45	0	0
	point545	545	2390	97	45	2	45	0	0	1	45	0	0
	point546	546	2390	97	45	2	45	0	0	1	45	0	0
	point547	547	2390	97	45	2	45	0	0	1	45	0	0
	point548	548	2390	97	45	2	45	0	0	1	45	0	0
	point549	549	2390	97	45	2	45	0	0	1	45	0	0
	point550	550											
Proctor Valley Road - Proj Ent 4 to 5	point889	889	1280	97	45	2	45	0	0	1	45	0	0
	point485	485	1280	97	45	2	45	0	0	1	45	0	0
	point486	486	1280	97	45	2	45	0	0	1	45	0	0

	point487	487	1280	97	45	2	45	0	0	1	45	0	0
	point488	488	1280	97	45	2	45	0	0	1	45	0	0
	point489	489	1280	97	45	2	45	0	0	1	45	0	0
	point490	490	1280	97	45	2	45	0	0	1	45	0	0
	point491	491	1280	97	45	2	45	0	0	1	45	0	0
	point492	492	1280	97	45	2	45	0	0	1	45	0	0
	point493	493	1280	97	45	2	45	0	0	1	45	0	0
	point494	494	1280	97	45	2	45	0	0	1	45	0	0
	point495	495	1280	97	45	2	45	0	0	1	45	0	0
	point496	496	1280	97	45	2	45	0	0	1	45	0	0
	point497	497	1280	97	45	2	45	0	0	1	45	0	0
	point498	498	1280	97	45	2	45	0	0	1	45	0	0
	point499	499	1280	97	45	2	45	0	0	1	45	0	0
	point500	500	1280	97	45	2	45	0	0	1	45	0	0
	point501	501	1280	97	45	2	45	0	0	1	45	0	0
	point502	502	1280	97	45	2	45	0	0	1	45	0	0
	point503	503	1280	97	45	2	45	0	0	1	45	0	0
	point504	504	1280	97	45	2	45	0	0	1	45	0	0
	point505	505	1280	97	45	2	45	0	0	1	45	0	0
	point506	506	1280	97	45	2	45	0	0	1	45	0	0
	point507	507	1280	97	45	2	45	0	0	1	45	0	0
	point508	508	1280	97	45	2	45	0	0	1	45	0	0
	point509	509	1280	97	45	2	45	0	0	1	45	0	0
	point510	510	1280	97	45	2	45	0	0	1	45	0	0
	point511	511	1280	97	45	2	45	0	0	1	45	0	0
	point512	512	1280	97	45	2	45	0	0	1	45	0	0
	point513	513	1280	97	45	2	45	0	0	1	45	0	0
	point514	514	1280	97	45	2	45	0	0	1	45	0	0
	point515	515	1280	97	45	2	45	0	0	1	45	0	0
	point516	516	1280	97	45	2	45	0	0	1	45	0	0
	point517	517	1280	97	45	2	45	0	0	1	45	0	0
	point518	518	1280	97	45	2	45	0	0	1	45	0	0
	point519	519	1280	97	45	2	45	0	0	1	45	0	0
	point520	520	1280	97	45	2	45	0	0	1	45	0	0
	point521	521	1280	97	45	2	45	0	0	1	45	0	0
	point522	522	1280	97	45	2	45	0	0	1	45	0	0

	point523	523	1280	97	45	2	45	0	0	1	45	0	0
	point524	524	1280	97	45	2	45	0	0	1	45	0	0
	point525	525	1280	97	45	2	45	0	0	1	45	0	0
	point526	526	1280	97	45	2	45	0	0	1	45	0	0
	point527	527	1280	97	45	2	45	0	0	1	45	0	0
	point528	528	1280	97	45	2	45	0	0	1	45	0	0
	point529	529	1280	97	45	2	45	0	0	1	45	0	0
	point530	530	1280	97	45	2	45	0	0	1	45	0	0
	point531	531	1280	97	45	2	45	0	0	1	45	0	0
	point532	532											
Proctor Valley Road - Proj Ent 5 to 6	point890	890	907	97	45	2	45	0	0	1	45	0	0
	point461	461	907	97	45	2	45	0	0	1	45	0	0
	point462	462	907	97	45	2	45	0	0	1	45	0	0
	point463	463	907	97	45	2	45	0	0	1	45	0	0
	point464	464	907	97	45	2	45	0	0	1	45	0	0
	point465	465	907	97	45	2	45	0	0	1	45	0	0
	point466	466	907	97	45	2	45	0	0	1	45	0	0
	point467	467	907	97	45	2	45	0	0	1	45	0	0
	point468	468	907	97	45	2	45	0	0	1	45	0	0
	point469	469	907	97	45	2	45	0	0	1	45	0	0
	point470	470	907	97	45	2	45	0	0	1	45	0	0
	point471	471	907	97	45	2	45	0	0	1	45	0	0
	point472	472	907	97	45	2	45	0	0	1	45	0	0
	point473	473	907	97	45	2	45	0	0	1	45	0	0
	point474	474	907	97	45	2	45	0	0	1	45	0	0
	point475	475	907	97	45	2	45	0	0	1	45	0	0
	point476	476	907	97	45	2	45	0	0	1	45	0	0
	point477	477	907	97	45	2	45	0	0	1	45	0	0
	point478	478	907	97	45	2	45	0	0	1	45	0	0
	point479	479	907	97	45	2	45	0	0	1	45	0	0
	point480	480	907	97	45	2	45	0	0	1	45	0	0
	point481	481	907	97	45	2	45	0	0	1	45	0	0
	point482	482	907	97	45	2	45	0	0	1	45	0	0
	point483	483	907	97	45	2	45	0	0	1	45	0	0
	point484	484											
Proctor Valley Road - West Fork	point891	891	0	0	0	0	0	0	0	0	0	0	0

	point763	763	0	0	0	0	0	0	0	0	0	0	0
	point764	764	0	0	0	0	0	0	0	0	0	0	0
	point765	765	0	0	0	0	0	0	0	0	0	0	0
	point766	766	0	0	0	0	0	0	0	0	0	0	0
	point767	767	0	0	0	0	0	0	0	0	0	0	0
	point768	768	0	0	0	0	0	0	0	0	0	0	0
	point769	769	0	0	0	0	0	0	0	0	0	0	0
	point770	770	0	0	0	0	0	0	0	0	0	0	0
	point771	771	0	0	0	0	0	0	0	0	0	0	0
	point772	772	0	0	0	0	0	0	0	0	0	0	0
	point773	773	0	0	0	0	0	0	0	0	0	0	0
	point774	774	0	0	0	0	0	0	0	0	0	0	0
	point775	775	0	0	0	0	0	0	0	0	0	0	0
	point776	776	0	0	0	0	0	0	0	0	0	0	0
	point777	777	0	0	0	0	0	0	0	0	0	0	0
	point778	778	0	0	0	0	0	0	0	0	0	0	0
	point779	779	0	0	0	0	0	0	0	0	0	0	0
	point780	780	0	0	0	0	0	0	0	0	0	0	0
	point781	781	0	0	0	0	0	0	0	0	0	0	0
	point782	782	0	0	0	0	0	0	0	0	0	0	0
	point783	783	0	0	0	0	0	0	0	0	0	0	0
	point784	784	0	0	0	0	0	0	0	0	0	0	0
	point785	785	0	0	0	0	0	0	0	0	0	0	0
	point786	786	0	0	0	0	0	0	0	0	0	0	0
	point787	787	0	0	0	0	0	0	0	0	0	0	0
	point788	788	0	0	0	0	0	0	0	0	0	0	0
	point789	789	0	0	0	0	0	0	0	0	0	0	0
	point790	790	0	0	0	0	0	0	0	0	0	0	0
	point791	791	0	0	0	0	0	0	0	0	0	0	0
	point792	792	0	0	0	0	0	0	0	0	0	0	0
	point793	793	0	0	0	0	0	0	0	0	0	0	0
	point794	794	0	0	0	0	0	0	0	0	0	0	0
	point795	795	0	0	0	0	0	0	0	0	0	0	0
	point796	796	0	0	0	0	0	0	0	0	0	0	0
	point797	797											
Proctor Valley Road - Ent 8 to Melody	point876	876	690	97	45	2	45	0	0	1	45	0	0

	point877	877	690	97	45	2	45	0	0	1	45	0	0
	point878	878	690	97	45	2	45	0	0	1	45	0	0
	point879	879	690	97	45	2	45	0	0	1	45	0	0
	point880	880	690	97	45	2	45	0	0	1	45	0	0
	point450	450	690	97	45	2	45	0	0	1	45	0	0
	point452	452	690	97	45	2	45	0	0	1	45	0	0
	point746	746	690	97	45	2	45	0	0	1	45	0	0
	point747	747	690	97	45	2	45	0	0	1	45	0	0
	point748	748	690	97	45	2	45	0	0	1	45	0	0
	point749	749	690	97	45	2	45	0	0	1	45	0	0
	point750	750	690	97	45	2	45	0	0	1	45	0	0
	point751	751	690	97	45	2	45	0	0	1	45	0	0
	point752	752	690	97	45	2	45	0	0	1	45	0	0
	point753	753	690	97	45	2	45	0	0	1	45	0	0
	point754	754	690	97	45	2	45	0	0	1	45	0	0
	point755	755	690	97	45	2	45	0	0	1	45	0	0
	point756	756	690	97	45	2	45	0	0	1	45	0	0
	point757	757	690	97	45	2	45	0	0	1	45	0	0
	point758	758	690	97	45	2	45	0	0	1	45	0	0
	point759	759	690	97	45	2	45	0	0	1	45	0	0
	point760	760	690	97	45	2	45	0	0	1	45	0	0
	point761	761	690	97	45	2	45	0	0	1	45	0	0
	point762	762											
Proctor Valley Road - Proj Ent 6 to 7	point892	892	867	97	45	2	45	0	0	1	45	0	0
	point798	798	867	97	45	2	45	0	0	1	45	0	0
	point799	799	867	97	45	2	45	0	0	1	45	0	0
	point800	800	867	97	45	2	45	0	0	1	45	0	0
	point801	801	867	97	45	2	45	0	0	1	45	0	0
	point802	802	867	97	45	2	45	0	0	1	45	0	0
	point803	803	867	97	45	2	45	0	0	1	45	0	0
	point804	804	867	97	45	2	45	0	0	1	45	0	0
	point805	805	867	97	45	2	45	0	0	1	45	0	0
	point806	806	867	97	45	2	45	0	0	1	45	0	0
	point807	807	867	97	45	2	45	0	0	1	45	0	0
	point808	808	867	97	45	2	45	0	0	1	45	0	0
	point809	809	867	97	45	2	45	0	0	1	45	0	0

	point810	810	867	97	45	2	45	0	0	1	45	0	0
	point811	811	867	97	45	2	45	0	0	1	45	0	0
	point812	812	867	97	45	2	45	0	0	1	45	0	0
	point813	813	867	97	45	2	45	0	0	1	45	0	0
	point814	814	867	97	45	2	45	0	0	1	45	0	0
	point815	815	867	97	45	2	45	0	0	1	45	0	0
	point816	816	867	97	45	2	45	0	0	1	45	0	0
	point817	817	867	97	45	2	45	0	0	1	45	0	0
	point818	818	867	97	45	2	45	0	0	1	45	0	0
	point819	819	867	97	45	2	45	0	0	1	45	0	0
	point820	820	867	97	45	2	45	0	0	1	45	0	0
	point821	821	867	97	45	2	45	0	0	1	45	0	0
	point822	822	867	97	45	2	45	0	0	1	45	0	0
	point823	823	867	97	45	2	45	0	0	1	45	0	0
	point824	824	867	97	45	2	45	0	0	1	45	0	0
	point825	825	867	97	45	2	45	0	0	1	45	0	0
	point826	826	867	97	45	2	45	0	0	1	45	0	0
	point827	827	867	97	45	2	45	0	0	1	45	0	0
	point828	828	867	97	45	2	45	0	0	1	45	0	0
	point829	829	867	97	45	2	45	0	0	1	45	0	0
	point830	830	867	97	45	2	45	0	0	1	45	0	0
	point831	831	867	97	45	2	45	0	0	1	45	0	0
	point832	832	867	97	45	2	45	0	0	1	45	0	0
	point833	833	867	97	45	2	45	0	0	1	45	0	0
	point834	834	867	97	45	2	45	0	0	1	45	0	0
	point835	835	867	97	45	2	45	0	0	1	45	0	0
	point836	836	867	97	45	2	45	0	0	1	45	0	0
	point837	837	867	97	45	2	45	0	0	1	45	0	0
	point838	838	867	97	45	2	45	0	0	1	45	0	0
	point839	839	867	97	45	2	45	0	0	1	45	0	0
	point840	840	867	97	45	2	45	0	0	1	45	0	0
	point841	841	867	97	45	2	45	0	0	1	45	0	0
	point842	842	867	97	45	2	45	0	0	1	45	0	0
	point843	843	867	97	45	2	45	0	0	1	45	0	0
	point453	453	867	97	45	2	45	0	0	1	45	0	0
	point454	454	867	97	45	2	45	0	0	1	45	0	0

	point455	455	867	97	45	2	45	0	0	1	45	0	0
	point456	456	867	97	45	2	45	0	0	1	45	0	0
	point457	457	867	97	45	2	45	0	0	1	45	0	0
	point458	458	867	97	45	2	45	0	0	1	45	0	0
	point459	459	867	97	45	2	45	0	0	1	45	0	0
	point460	460											
Proctor Valley Rd - Ent 8 to Melody	point894	894	690	97	45	2	45	0	0	1	45	0	0
	point865	865	690	97	45	2	45	0	0	1	45	0	0
	point866	866	690	97	45	2	45	0	0	1	45	0	0
	point867	867	690	97	45	2	45	0	0	1	45	0	0
	point868	868	690	97	45	2	45	0	0	1	45	0	0
	point869	869	690	97	45	2	45	0	0	1	45	0	0
	point870	870	690	97	45	2	45	0	0	1	45	0	0
	point871	871	690	97	45	2	45	0	0	1	45	0	0
	point872	872	690	97	45	2	45	0	0	1	45	0	0
	point873	873	690	97	45	2	45	0	0	1	45	0	0
	point874	874	690	97	45	2	45	0	0	1	45	0	0
	point875	875	690	97	45	2	45	0	0	1	45	0	0
	point846	846											

Dudek 12 September 2017
M Greene TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProjRev 0817

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	1.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	1.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	1.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	1.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	1.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	1.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	1.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	1.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	1.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	1.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	1.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	1.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	1.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	1.0	8.0	
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	1.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	1.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	1.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	1.0	8.0	
R19 P-1	100	1	6,354,456.5	1,823,499.0	607.00	5.00	0.00	65	1.0	8.0	
R20 R-4 southwest side	101	1	6,354,558.0	1,823,693.1	611.50	5.00	0.00	60	1.0	8.0	
R21 R-4 west side	102	1	6,354,724.0	1,823,907.5	614.00	5.00	0.00	60	1.0	8.0	
R22 R-4 northwest side	103	1	6,354,895.0	1,824,260.4	617.50	5.00	0.00	60	1.0	8.0	

R23 R-5 Lot 10 southwest side	104	1	6,356,039.0	1,826,086.0	666.00	5.00	0.00	60	1.0	8.0	
R24 R-5 Lot 5 west side	105	1	6,356,020.5	1,826,361.2	660.40	5.00	0.00	60	1.0	8.0	
R25 R-5 PPP-1 northwest side	106	1	6,356,118.5	1,826,646.5	652.00	5.00	0.00	65	1.0	8.0	
R26 R-12 Park south side	107	1	6,355,945.5	1,827,033.9	655.00	5.00	0.00	65	1.0	8.0	
R27 S-1 School southwest side	108	1	6,356,228.5	1,826,927.2	654.00	5.00	0.00	65	1.0	8.0	
R28 R-12 Park north side	109	1	6,356,079.0	1,827,190.6	657.00	5.00	0.00	65	1.0	8.0	
R29 S-1 School west side	110	1	6,356,557.0	1,827,223.8	669.00	5.00	0.00	65	1.0	8.0	
R30 S-1 School northwest side	111	1	6,356,790.5	1,827,436.0	679.00	5.00	0.00	65	1.0	8.0	
R31 P-2 park	112	1	6,356,626.5	1,827,662.9	695.50	5.00	0.00	65	1.0	8.0	
R32 MU-1	113	1	6,357,022.5	1,827,640.1	696.00	5.00	0.00	65	1.0	8.0	
R33 R-10 Lot 6	114	1	6,358,835.5	1,829,554.6	754.00	5.00	0.00	60	1.0	8.0	
R34 R-10 Lot 4	115	1	6,358,922.0	1,829,724.8	761.00	5.00	0.00	60	1.0	8.0	
R35 R-10 Lot 2	116	1	6,358,998.0	1,829,870.5	768.50	5.00	0.00	60	1.0	8.0	
R36 R-11 PP-4	117	1	6,359,091.0	1,830,099.8	769.50	5.00	0.00	65	1.0	8.0	
R37 R-11 Lot 54	118	1	6,359,253.0	1,830,336.1	794.00	5.00	0.00	60	1.0	8.0	
R38 R-11 Lot 58	119	1	6,359,394.0	1,830,700.5	821.00	5.00	0.00	60	1.0	8.0	
R39 R-11 Lot 61	120	1	6,359,453.0	1,831,009.2	837.50	5.00	0.00	60	1.0	8.0	
R40 R-11 Lot 1	121	1	6,359,450.0	1,831,202.1	844.00	5.00	0.00	60	1.0	8.0	
R41 R-11 Lot 4	122	1	6,359,450.5	1,831,470.0	864.00	5.00	0.00	60	1.0	8.0	
R42 R-11 Lot 6	123	1	6,359,446.0	1,831,682.4	877.50	5.00	0.00	60	1.0	8.0	
R43 R-11 Lot 8	124	1	6,359,465.0	1,831,973.5	895.50	5.00	0.00	60	1.0	8.0	
R44 R-14 Lot 64	125	1	6,361,053.0	1,833,915.5	944.80	5.00	0.00	60	1.0	8.0	
R45 R-14 Lot 28	126	1	6,360,942.0	1,834,076.0	945.00	5.00	0.00	60	1.0	8.0	
R46 R-14 open space	127	1	6,361,003.5	1,834,478.8	962.00	5.00	0.00	65	1.0	8.0	
R47 R-14 Lot 27	128	1	6,360,911.0	1,834,870.4	918.80	5.00	0.00	60	1.0	8.0	
R48 R-14 Lot 2	129	1	6,360,871.5	1,835,014.0	915.80	5.00	0.00	60	1.0	8.0	
R49 R-14 Lot 1	130	1	6,360,814.5	1,834,957.2	909.70	5.00	0.00	60	1.0	8.0	
R50 R-14 P-4	131	1	6,360,680.5	1,835,123.4	900.00	5.00	0.00	60	1.0	8.0	
R51 R-13 Lot 1	132	1	6,360,505.0	1,835,675.9	900.00	5.00	0.00	60	0.0	8.0	
R52 R-13 Lot 9	133	1	6,360,673.5	1,835,730.4	898.00	5.00	0.00	60	0.0	8.0	
R53 R-13 Lot 8	134	1	6,360,565.5	1,835,794.2	909.70	5.00	0.00	60	0.0	8.0	
R54 R-13 Lot 10	135	1	6,360,785.0	1,835,859.2	903.80	5.00	0.00	60	0.0	8.0	
R55 R-13 Lot 11	136	1	6,361,005.5	1,836,025.0	907.00	5.00	0.00	60	0.0	8.0	
R56 R-13 Lot 12	138	1	6,361,179.0	1,836,059.1	906.00	5.00	0.00	66	10.0	8.0	

Dudek
M Greene

12 September 2017
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProjRev 0817

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 Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0			
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00						

Dudek			12 September 2017	
M Greene			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	8207			
RUN:	OtyRnchV14PrctrVlly2030wProjRev 0817			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line1	1	6,354,564.5	1,823,396.8	610.80
	3	6,354,548.5	1,823,432.6	610.00
	4	6,354,543.5	1,823,442.5	609.80
	5	6,354,537.0	1,823,451.4	609.60
	6	6,354,515.0	1,823,478.1	608.90
	7	6,354,486.0	1,823,511.4	608.00
	8	6,354,427.5	1,823,574.0	606.40
	9	6,354,424.5	1,823,575.9	606.40
	10	6,354,421.5	1,823,576.8	606.30
	11	6,354,418.5	1,823,576.6	606.30
	12	6,354,415.5	1,823,575.4	606.30
	13	6,354,413.5	1,823,573.1	606.40
	14	6,354,412.0	1,823,570.4	606.50
	15	6,354,411.5	1,823,567.2	606.60
	16	6,354,412.5	1,823,564.1	606.60
	17	6,354,421.0	1,823,544.8	607.10
	18	6,354,421.0	1,823,513.8	608.00
	19	6,354,423.5	1,823,421.2	610.00
	2	6,354,420.0	1,823,349.5	611.40
Terrain Line2	20	6,355,174.0	1,824,198.5	619.20
	22	6,355,172.5	1,824,203.5	619.20
	23	6,355,170.5	1,824,210.8	619.10
	24	6,355,166.5	1,824,218.2	619.10
	25	6,355,160.0	1,824,224.1	619.00

	26	6,355,152.5	1,824,228.2	619.00
	27	6,355,144.5	1,824,230.1	618.90
	28	6,355,137.5	1,824,229.9	618.90
	29	6,355,045.5	1,824,227.4	618.40
	30	6,355,025.5	1,824,227.5	618.30
	31	6,355,009.5	1,824,229.5	618.20
	32	6,354,992.0	1,824,233.8	618.10
	33	6,354,979.5	1,824,238.4	618.00
	34	6,354,966.0	1,824,244.6	618.00
	35	6,354,899.5	1,824,277.1	617.80
	36	6,354,897.0	1,824,278.2	617.80
	37	6,354,893.0	1,824,279.4	617.70
	38	6,354,890.5	1,824,278.8	617.70
	39	6,354,888.0	1,824,277.1	617.70
	40	6,354,886.0	1,824,274.5	617.60
	41	6,354,884.5	1,824,270.5	617.60
	42	6,354,813.5	1,824,108.9	616.00
	43	6,354,783.0	1,824,038.8	615.20
	44	6,354,748.0	1,823,970.9	614.50
	45	6,354,722.0	1,823,927.8	614.00
	46	6,354,693.0	1,823,886.9	613.50
	47	6,354,661.5	1,823,848.0	613.00
	48	6,354,598.0	1,823,770.5	612.00
	49	6,354,582.5	1,823,750.9	611.80
	50	6,354,566.5	1,823,731.9	611.50
	51	6,354,548.0	1,823,711.9	611.30
	52	6,354,537.5	1,823,689.5	611.00
	53	6,354,536.5	1,823,685.9	611.00
	54	6,354,536.5	1,823,681.6	611.00
	55	6,354,537.0	1,823,676.5	610.90
	56	6,354,537.5	1,823,672.2	610.90
	57	6,354,539.0	1,823,666.0	610.80
	58	6,354,541.5	1,823,659.2	610.80
	59	6,354,543.0	1,823,655.5	610.70
	60	6,354,544.5	1,823,649.8	610.70
	61	6,354,545.5	1,823,643.8	610.60

	62	6,354,545.0	1,823,637.8	610.60
	63	6,354,544.5	1,823,633.9	610.50
	64	6,354,556.5	1,823,619.4	610.50
	65	6,354,582.5	1,823,582.4	610.50
	66	6,354,607.0	1,823,541.9	610.40
	67	6,354,619.0	1,823,514.5	610.40
	21	6,354,628.5	1,823,485.5	610.40
Terrain Line3	68	6,356,143.5	1,826,709.6	650.00
	70	6,356,049.5	1,826,741.2	649.90
	71	6,356,031.5	1,826,731.5	649.80
	72	6,356,015.5	1,826,623.4	654.70
	73	6,356,007.5	1,826,565.6	654.70
	74	6,356,007.5	1,826,564.6	656.20
	75	6,356,003.5	1,826,508.1	656.20
	76	6,356,003.5	1,826,504.0	657.70
	77	6,356,002.0	1,826,448.1	657.70
	78	6,356,006.0	1,826,443.6	659.10
	79	6,356,005.5	1,826,390.1	659.10
	80	6,356,010.0	1,826,384.9	660.40
	81	6,356,009.0	1,826,335.2	660.40
	82	6,356,013.5	1,826,330.0	661.70
	83	6,356,013.0	1,826,280.4	661.70
	84	6,356,015.5	1,826,275.0	663.00
	85	6,356,015.0	1,826,225.4	663.00
	86	6,356,017.0	1,826,220.0	664.20
	87	6,356,016.0	1,826,170.0	664.20
	88	6,356,018.0	1,826,165.1	665.40
	89	6,356,017.0	1,826,115.2	665.40
	90	6,356,025.0	1,826,110.8	666.60
	91	6,356,024.5	1,826,060.8	666.60
	92	6,356,029.5	1,826,053.6	669.30
	93	6,356,028.5	1,826,004.6	669.30
	94	6,356,025.0	1,826,002.6	670.00
	95	6,356,034.0	1,825,924.8	670.00
	96	6,356,049.5	1,825,870.1	670.00
	97	6,356,066.0	1,825,831.0	670.00

	98	6,356,085.5	1,825,796.2	670.00
	99	6,356,097.0	1,825,787.4	670.00
	100	6,356,111.0	1,825,785.0	670.00
	69	6,356,180.5	1,825,789.4	670.00
Terrain Line4	101	6,356,906.0	1,827,372.1	680.60
	103	6,356,900.5	1,827,382.2	680.70
	104	6,356,896.0	1,827,395.8	680.90
	105	6,356,894.0	1,827,409.9	681.00
	106	6,356,894.0	1,827,424.1	681.20
	107	6,356,895.0	1,827,429.8	681.20
	108	6,356,896.5	1,827,437.9	681.30
	109	6,356,896.5	1,827,440.2	681.40
	110	6,356,894.0	1,827,445.1	681.40
	111	6,356,847.0	1,827,504.2	681.40
	112	6,356,836.0	1,827,508.4	681.20
	113	6,356,832.5	1,827,510.6	681.20
	114	6,356,826.0	1,827,516.6	681.00
	115	6,356,815.5	1,827,525.6	680.80
	116	6,356,807.0	1,827,531.5	680.60
	117	6,356,802.0	1,827,533.4	680.50
	118	6,356,795.0	1,827,533.6	680.40
	119	6,356,788.5	1,827,531.5	680.30
	120	6,356,784.0	1,827,528.2	680.20
	121	6,356,773.0	1,827,517.8	680.00
	122	6,356,757.0	1,827,502.6	679.30
	123	6,356,746.5	1,827,493.4	678.90
	124	6,356,729.0	1,827,479.5	678.30
	125	6,356,711.0	1,827,466.1	677.60
	126	6,356,675.0	1,827,441.4	676.30
	127	6,356,639.5	1,827,416.1	675.00
	128	6,356,596.5	1,827,382.9	673.40
	129	6,356,509.5	1,827,312.8	670.00
	130	6,356,380.5	1,827,208.6	665.00
	131	6,356,256.0	1,827,108.2	660.80
	132	6,356,232.0	1,827,090.5	660.00
	133	6,356,183.0	1,827,034.8	657.80

	134	6,356,129.0	1,826,958.0	655.00
	135	6,356,092.5	1,826,900.8	655.20
	136	6,356,085.0	1,826,884.5	655.00
	137	6,356,093.0	1,826,867.0	653.90
	102	6,356,115.0	1,826,854.8	653.70
Terrain Line5	138	6,355,957.0	1,826,917.9	654.70
	140	6,355,985.0	1,826,924.1	654.80
	141	6,356,017.0	1,826,937.2	655.10
	142	6,356,037.5	1,826,968.8	655.40
	143	6,356,087.0	1,827,045.1	656.00
	144	6,356,134.5	1,827,106.0	658.00
	145	6,356,190.0	1,827,176.5	660.50
	139	6,356,238.5	1,827,223.4	665.00
Terrain Line6	146	6,356,522.5	1,827,491.2	683.10
	148	6,356,542.0	1,827,507.1	684.00
	149	6,356,585.0	1,827,541.5	690.00
	150	6,356,594.0	1,827,550.4	694.10
	151	6,356,689.0	1,827,625.8	696.00
	152	6,356,717.5	1,827,648.9	696.60
	153	6,356,724.0	1,827,656.5	696.80
	154	6,356,725.5	1,827,665.8	697.00
	155	6,356,738.5	1,827,694.5	697.60
	156	6,356,753.0	1,827,713.5	698.00
	157	6,356,768.5	1,827,723.2	698.20
	158	6,356,790.0	1,827,733.1	698.40
	159	6,356,822.0	1,827,735.8	698.60
	160	6,356,847.5	1,827,732.5	698.90
	161	6,356,938.5	1,827,798.4	699.80
	162	6,356,947.5	1,827,793.2	702.00
	147	6,357,200.0	1,827,986.8	702.00
Terrain Line7	163	6,357,100.5	1,827,800.8	697.00
	165	6,356,920.5	1,827,667.9	696.60
	166	6,356,910.5	1,827,654.1	696.60
	167	6,356,901.0	1,827,629.8	696.50
	168	6,356,902.5	1,827,608.1	696.50
	169	6,356,905.5	1,827,604.0	695.00

	170	6,356,906.0	1,827,602.6	695.00
	171	6,356,905.5	1,827,601.2	695.00
	164	6,356,898.5	1,827,594.0	694.60
Terrain Line8	172	6,358,977.5	1,829,986.5	768.50
	174	6,359,015.5	1,829,959.6	768.50
	175	6,359,023.5	1,829,951.8	768.50
	176	6,359,030.5	1,829,940.6	768.50
	177	6,359,034.5	1,829,927.4	768.40
	178	6,359,035.0	1,829,913.5	768.50
	179	6,359,032.0	1,829,900.9	768.50
	180	6,359,026.5	1,829,889.8	768.50
	181	6,359,018.5	1,829,878.4	768.50
	182	6,358,985.0	1,829,830.9	768.50
	183	6,358,983.5	1,829,818.9	766.00
	184	6,358,960.5	1,829,783.2	766.00
	185	6,358,969.0	1,829,776.6	761.00
	186	6,358,955.5	1,829,756.0	761.00
	187	6,358,905.0	1,829,674.1	761.00
	188	6,358,913.0	1,829,668.0	756.50
	189	6,358,868.5	1,829,597.1	756.50
	190	6,358,872.5	1,829,592.1	754.00
	191	6,358,834.0	1,829,530.5	754.00
	192	6,358,840.5	1,829,513.1	746.00
	193	6,358,840.0	1,829,511.9	746.00
	194	6,358,802.5	1,829,449.6	746.00
	195	6,358,774.5	1,829,462.5	746.00
	196	6,358,761.0	1,829,468.1	746.00
	197	6,358,748.0	1,829,469.6	746.00
	198	6,358,736.0	1,829,468.2	746.00
	199	6,358,702.0	1,829,460.0	746.00
	200	6,358,633.0	1,829,438.6	746.00
	201	6,358,592.0	1,829,432.4	746.00
	173	6,358,567.0	1,829,428.5	746.00
Terrain Line9	202	6,359,418.5	1,831,051.6	837.50
	204	6,359,468.0	1,831,049.8	837.50
	205	6,359,459.0	1,830,965.4	837.50

	206	6,359,458.0	1,830,958.4	834.50
	207	6,359,445.0	1,830,873.6	834.50
	208	6,359,442.5	1,830,859.9	828.00
	209	6,359,425.0	1,830,775.9	828.00
	210	6,359,421.5	1,830,761.4	821.00
	211	6,359,400.0	1,830,678.4	821.00
	212	6,359,396.0	1,830,664.1	814.00
	213	6,359,370.5	1,830,582.9	814.00
	214	6,359,364.5	1,830,567.4	806.50
	215	6,359,335.5	1,830,489.2	806.50
	216	6,359,329.5	1,830,474.2	800.00
	217	6,359,295.5	1,830,395.8	800.00
	218	6,359,289.5	1,830,383.0	794.00
	219	6,359,254.5	1,830,312.4	794.00
	220	6,359,253.5	1,830,299.6	789.00
	221	6,359,232.5	1,830,259.6	789.00
	222	6,359,206.5	1,830,221.4	789.00
	223	6,359,202.0	1,830,216.4	789.00
	224	6,359,197.0	1,830,212.2	789.00
	225	6,359,189.0	1,830,208.8	789.00
	226	6,359,180.5	1,830,207.6	789.00
	227	6,359,200.0	1,830,179.1	780.00
	228	6,359,191.0	1,830,161.2	771.00
	229	6,359,160.0	1,830,089.6	770.00
	230	6,359,151.0	1,830,071.2	769.70
	231	6,359,148.0	1,830,050.0	769.30
	232	6,359,138.5	1,830,034.4	769.00
	233	6,359,122.5	1,830,023.9	768.80
	234	6,359,091.5	1,830,015.8	768.40
	235	6,359,041.5	1,830,028.1	768.20
	236	6,359,000.0	1,830,046.5	768.70
	237	6,358,984.5	1,830,068.4	769.00
	238	6,358,978.5	1,830,077.9	769.20
	203	6,358,971.5	1,830,084.4	769.40
Terrain Line10	239	6,359,479.5	1,831,999.5	895.50
	241	6,359,475.0	1,831,916.2	895.50

	242	6,359,473.5	1,831,907.2	891.50
	243	6,359,467.0	1,831,828.2	891.50
	244	6,359,467.0	1,831,809.4	884.50
	245	6,359,462.5	1,831,734.2	884.50
	246	6,359,457.5	1,831,718.8	877.50
	247	6,359,459.0	1,831,683.9	877.50
	248	6,359,462.0	1,831,643.9	877.50
	249	6,359,459.5	1,831,622.9	869.50
	250	6,359,461.0	1,831,545.5	869.50
	251	6,359,461.5	1,831,529.0	862.50
	252	6,359,462.5	1,831,451.0	862.50
	253	6,359,458.5	1,831,432.8	854.50
	254	6,359,460.0	1,831,352.9	847.50
	255	6,359,461.5	1,831,259.9	847.50
	256	6,359,461.5	1,831,247.9	842.00
	257	6,359,463.0	1,831,168.9	842.00
	240	6,359,369.0	1,831,167.2	842.00
Terrain Line11	258	6,361,189.5	1,833,985.5	944.90
	260	6,361,032.0	1,833,971.0	944.90
	261	6,361,026.5	1,833,968.6	944.90
	262	6,361,023.5	1,833,963.6	944.80
	263	6,361,023.5	1,833,957.6	944.80
	264	6,361,049.0	1,833,892.4	944.80
	265	6,361,055.5	1,833,880.2	944.80
	266	6,361,064.0	1,833,869.5	944.80
	267	6,361,074.0	1,833,860.4	944.80
	268	6,361,085.5	1,833,853.0	944.80
	269	6,361,098.0	1,833,847.9	944.80
	270	6,361,113.5	1,833,844.4	944.80
	271	6,361,129.0	1,833,843.6	944.80
	272	6,361,144.5	1,833,845.4	944.80
	273	6,361,160.0	1,833,849.6	944.80
	259	6,361,174.0	1,833,856.4	944.80
Terrain Line12	274	6,361,009.0	1,834,161.5	945.30
	275	6,360,990.5	1,834,163.9	945.30
	276	6,360,971.5	1,834,165.6	945.30

	277	6,360,952.5	1,834,166.8	945.30
	278	6,360,933.5	1,834,167.4	945.40
	279	6,360,926.5	1,834,015.5	944.60
	280	6,360,984.5	1,834,014.5	939.80
Terrain Line13	281	6,361,015.0	1,834,191.0	958.40
	283	6,360,999.0	1,834,193.1	957.60
	284	6,360,983.0	1,834,194.8	955.90
	285	6,360,967.5	1,834,196.0	954.80
	286	6,360,951.5	1,834,196.9	953.20
	287	6,360,935.5	1,834,197.4	953.00
	288	6,360,942.0	1,834,226.9	955.20
	289	6,360,948.0	1,834,256.5	956.90
	290	6,360,953.5	1,834,286.1	958.40
	291	6,360,958.0	1,834,316.0	960.00
	292	6,360,962.0	1,834,347.5	962.10
	293	6,360,965.0	1,834,379.0	963.30
	294	6,360,967.0	1,834,410.5	964.00
	295	6,360,969.0	1,834,442.1	964.20
	296	6,360,970.0	1,834,469.9	963.10
	297	6,360,969.0	1,834,497.6	961.00
	298	6,360,965.0	1,834,525.1	956.00
	299	6,360,958.5	1,834,552.1	950.30
	300	6,360,913.0	1,834,758.2	915.90
	301	6,360,911.5	1,834,778.6	919.10
	302	6,360,910.0	1,834,799.1	918.90
	303	6,360,908.0	1,834,819.5	918.80
	304	6,360,905.5	1,834,839.8	918.80
	305	6,360,902.5	1,834,860.1	918.80
	306	6,360,899.5	1,834,880.4	918.80
	307	6,360,895.5	1,834,900.5	918.80
	308	6,360,895.5	1,834,908.0	918.80
	309	6,360,898.0	1,834,915.0	918.70
	310	6,360,903.0	1,834,920.6	918.60
	311	6,360,910.0	1,834,925.2	918.50
	312	6,360,917.5	1,834,928.9	918.40
	313	6,360,925.5	1,834,931.4	918.40

	314	6,360,939.0	1,834,934.2	918.40
	315	6,360,953.0	1,834,936.8	918.40
	316	6,360,966.5	1,834,938.8	918.50
	317	6,360,980.0	1,834,940.4	918.50
	318	6,360,994.0	1,834,941.4	918.50
	319	6,361,008.0	1,834,942.0	918.50
	320	6,361,021.5	1,834,942.2	918.50
	282	6,361,035.5	1,834,942.0	918.50
Terrain Line14	321	6,360,769.0	1,835,069.6	909.80
	323	6,360,783.0	1,835,045.8	909.70
	324	6,360,797.0	1,835,021.6	909.80
	325	6,360,809.5	1,834,997.0	909.80
	326	6,360,821.5	1,834,972.0	909.80
	327	6,360,833.0	1,834,946.6	909.70
	328	6,360,843.5	1,834,920.6	909.90
	329	6,360,826.5	1,834,928.2	909.40
	330	6,360,807.5	1,834,928.5	909.00
	331	6,360,790.0	1,834,921.1	909.70
	332	6,360,777.0	1,834,907.5	909.80
	333	6,360,767.5	1,834,897.4	909.70
	334	6,360,756.5	1,834,888.6	909.70
	335	6,360,744.5	1,834,881.6	909.70
	336	6,360,732.0	1,834,876.2	909.80
	337	6,360,718.5	1,834,872.8	909.70
	322	6,360,704.5	1,834,871.1	909.70
Terrain Line15	338	6,360,825.0	1,835,128.6	915.80
	340	6,360,849.5	1,835,055.6	915.80
	341	6,360,868.0	1,834,987.2	915.80
	342	6,360,872.5	1,834,979.4	915.90
	343	6,360,880.0	1,834,974.5	915.80
	344	6,360,889.5	1,834,973.9	915.80
	345	6,360,906.0	1,834,976.2	915.90
	346	6,360,923.0	1,834,977.8	915.80
	347	6,360,940.0	1,834,978.2	915.70
	348	6,360,956.5	1,834,977.6	915.70
	339	6,360,973.5	1,834,976.0	913.60

Terrain Line16	349	6,360,329.0	1,835,736.9	899.80
	351	6,360,341.5	1,835,624.4	899.70
	352	6,360,343.5	1,835,618.0	899.80
	353	6,360,348.5	1,835,613.2	899.80
	354	6,360,355.0	1,835,611.1	899.80
	355	6,360,359.5	1,835,610.6	899.80
	356	6,360,365.5	1,835,611.4	899.80
	357	6,360,371.0	1,835,614.5	899.80
	358	6,360,374.5	1,835,619.6	899.80
	359	6,360,378.5	1,835,626.4	899.80
	360	6,360,383.0	1,835,632.4	899.80
	361	6,360,389.0	1,835,637.4	899.80
	362	6,360,395.5	1,835,641.4	899.80
	363	6,360,402.5	1,835,644.1	899.80
	364	6,360,410.0	1,835,645.5	899.80
	365	6,360,418.0	1,835,645.5	899.80
	366	6,360,425.5	1,835,644.1	899.80
	367	6,360,430.0	1,835,644.0	899.80
	368	6,360,435.0	1,835,645.6	899.80
	369	6,360,438.5	1,835,649.0	899.80
	370	6,360,444.5	1,835,654.8	899.80
	371	6,360,451.0	1,835,659.4	899.80
	372	6,360,459.0	1,835,662.6	899.80
	373	6,360,467.0	1,835,664.2	899.80
	374	6,360,475.0	1,835,664.5	899.80
	375	6,360,483.0	1,835,663.0	899.80
	376	6,360,491.0	1,835,660.1	899.80
	377	6,360,498.0	1,835,655.8	899.80
	378	6,360,502.0	1,835,652.5	899.70
	379	6,360,521.5	1,835,677.9	899.70
	350	6,360,558.5	1,835,729.0	899.80
Terrain Line17	380	6,361,078.0	1,835,802.0	906.60
	382	6,360,980.0	1,835,791.0	903.70
	383	6,360,853.0	1,835,759.0	903.60
	384	6,360,600.0	1,835,670.2	896.80
	385	6,360,609.5	1,835,680.8	897.80

	386	6,360,624.0	1,835,696.9	897.80
	387	6,360,635.0	1,835,709.5	897.80
	388	6,360,651.0	1,835,727.1	897.80
	389	6,360,659.5	1,835,736.8	897.80
	390	6,360,664.0	1,835,742.2	897.90
	391	6,360,675.5	1,835,757.4	897.90
	392	6,360,684.5	1,835,770.1	897.80
	393	6,360,692.0	1,835,780.0	897.90
	394	6,360,699.5	1,835,789.9	897.90
	395	6,360,708.0	1,835,800.6	897.90
	396	6,360,721.0	1,835,815.4	897.90
	397	6,360,731.5	1,835,827.2	897.90
	398	6,360,735.0	1,835,831.0	897.90
	399	6,360,742.0	1,835,838.0	901.10
	400	6,360,752.5	1,835,848.2	903.80
	401	6,360,760.5	1,835,856.0	903.80
	402	6,360,764.5	1,835,859.4	903.80
	403	6,360,778.0	1,835,871.0	903.80
	404	6,360,791.5	1,835,882.8	903.80
	405	6,360,794.5	1,835,885.2	903.80
	406	6,360,799.0	1,835,889.1	903.80
	407	6,360,809.5	1,835,897.9	903.80
	408	6,360,811.5	1,835,899.8	903.90
	409	6,360,823.0	1,835,908.4	903.90
	410	6,360,827.0	1,835,911.1	903.90
	411	6,360,858.0	1,835,934.1	906.90
	412	6,360,864.0	1,835,938.8	906.90
	413	6,360,871.5	1,835,945.2	906.90
	414	6,360,875.0	1,835,948.4	906.90
	415	6,360,878.5	1,835,951.2	906.90
	416	6,360,886.0	1,835,958.0	906.90
	417	6,360,891.5	1,835,963.4	906.90
	418	6,360,896.5	1,835,968.1	906.90
	419	6,360,902.5	1,835,973.9	906.90
	420	6,360,905.5	1,835,976.5	906.90
	421	6,360,908.0	1,835,978.4	906.90

	422	6,360,908.0	1,835,978.8	906.90
	423	6,360,909.0	1,835,979.5	906.90
	424	6,360,913.5	1,835,982.9	906.90
	425	6,360,916.5	1,835,985.1	906.90
	426	6,360,924.0	1,835,990.6	906.90
	427	6,360,928.5	1,835,993.9	906.90
	428	6,360,932.0	1,835,996.4	906.90
	429	6,360,941.5	1,836,002.9	906.90
	430	6,360,952.0	1,836,009.2	906.90
	431	6,360,962.0	1,836,015.1	906.90
	432	6,360,973.0	1,836,021.5	906.90
	433	6,360,989.5	1,836,030.0	906.90
	434	6,360,999.5	1,836,034.8	906.90
	435	6,361,010.5	1,836,039.9	906.90
	436	6,361,020.0	1,836,043.8	906.90
	437	6,361,031.5	1,836,048.0	906.90
	438	6,361,040.0	1,836,051.1	906.90
	439	6,361,051.5	1,836,054.9	906.90
	440	6,361,057.5	1,836,056.9	906.90
	441	6,361,067.0	1,836,059.8	906.90
	442	6,361,075.5	1,836,062.0	906.90
	443	6,361,095.0	1,836,066.6	905.90
	444	6,361,102.0	1,836,068.1	905.90
	445	6,361,115.0	1,836,070.5	905.90
	446	6,361,126.5	1,836,072.4	905.90
	447	6,361,134.0	1,836,073.5	905.90
	448	6,361,141.5	1,836,074.2	905.90
	449	6,361,144.0	1,836,074.5	905.90
	450	6,361,146.5	1,836,074.9	905.90
	451	6,361,149.5	1,836,075.1	905.90
	452	6,361,153.0	1,836,075.4	905.90
	453	6,361,154.0	1,836,075.5	905.90
	454	6,361,157.0	1,836,075.8	905.90
	455	6,361,161.5	1,836,076.0	905.90
	456	6,361,165.5	1,836,076.2	905.80
	457	6,361,173.5	1,836,076.6	905.70

	458	6,361,175.5	1,836,076.6	905.70
	459	6,361,189.5	1,836,076.8	905.60
	460	6,361,194.5	1,836,076.8	905.50
	461	6,361,204.5	1,836,076.5	904.40
	462	6,361,207.5	1,836,076.4	903.80
	463	6,361,214.0	1,836,076.0	903.10
	464	6,361,215.5	1,836,075.9	902.90
	465	6,361,217.5	1,836,075.9	902.70
	466	6,361,220.5	1,836,075.6	902.40
	381	6,361,279.0	1,835,959.5	902.00
Terrain Line18	467	6,360,325.0	1,835,766.9	899.60
	469	6,360,561.0	1,835,766.9	909.80
	470	6,360,570.5	1,835,777.8	909.80
	471	6,360,580.0	1,835,788.4	909.80
	472	6,360,589.5	1,835,799.0	909.90
	473	6,360,599.5	1,835,809.4	909.80
	474	6,360,609.5	1,835,819.6	909.90
	475	6,360,619.5	1,835,829.8	909.70
	476	6,360,629.5	1,835,839.8	909.80
	477	6,360,640.0	1,835,849.6	909.70
	478	6,360,650.5	1,835,859.4	909.80
	479	6,360,661.5	1,835,868.9	909.80
	480	6,360,672.0	1,835,878.2	909.80
	481	6,360,683.0	1,835,887.5	910.60
	482	6,360,694.5	1,835,898.2	911.80
	483	6,360,705.5	1,835,908.9	911.80
	484	6,360,717.5	1,835,919.2	911.80
	485	6,360,729.0	1,835,929.6	911.80
	486	6,360,741.0	1,835,939.6	911.80
	487	6,360,753.0	1,835,949.6	911.80
	488	6,360,765.0	1,835,959.4	911.90
	489	6,360,777.0	1,835,969.1	911.80
	490	6,360,786.5	1,835,978.5	911.80
	491	6,360,795.5	1,835,988.9	911.70
	468	6,360,803.0	1,836,000.0	911.90

RESULTS: SOUND LEVELS **8207**

Dudek **12 September 2017**
M Greene **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProjRev 0817
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc					
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	66.7	65	66.7	1	Snd Lvl	66.7	0.0	8	-8.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	54.5	65	54.5	1	----	54.5	0.0	8	-8.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	56.1	65	56.1	1	----	56.1	0.0	8	-8.0
R4 MtMglRd - Lane Ave	9	1	0.0	66.0	65	66.0	1	Snd Lvl	66.0	0.0	8	-8.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	55.7	65	55.7	1	----	55.7	0.0	8	-8.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	57.9	65	57.9	1	----	57.9	0.0	8	-8.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	54.9	65	54.9	1	----	54.9	0.0	8	-8.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	59.7	65	59.7	1	----	59.7	0.0	8	-8.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	59.4	65	59.4	1	----	59.4	0.0	8	-8.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	55.6	65	55.6	1	----	55.6	0.0	8	-8.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	51.6	65	51.6	1	----	51.6	0.0	8	-8.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	57.4	65	57.4	1	----	57.4	0.0	8	-8.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	61.3	65	61.3	1	----	61.3	0.0	8	-8.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	61.3	65	61.3	1	----	61.3	0.0	8	-8.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	55.3	65	55.3	1	----	55.3	0.0	8	-8.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	60.4	65	60.4	1	----	60.4	0.0	8	-8.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	61.3	65	61.3	1	----	61.3	0.0	8	-8.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	62.8	65	62.8	1	----	62.8	0.0	8	-8.0
R19 P-1	100	1	0.0	62.4	65	62.4	1	----	62.4	0.0	8	-8.0
R20 R-4 southwest side	101	1	0.0	68.5	60	68.5	1	Snd Lvl	68.5	0.0	8	-8.0
R21 R-4 west side	102	1	0.0	68.6	60	68.6	1	Snd Lvl	68.6	0.0	8	-8.0
R22 R-4 northwest side	103	1	0.0	69.0	60	69.0	1	Snd Lvl	69.0	0.0	8	-8.0
R23 R-5 Lot 10 southwest side	104	1	0.0	66.2	60	66.2	1	Snd Lvl	66.2	0.0	8	-8.0
R24 R-5 Lot 5 west side	105	1	0.0	68.2	60	68.2	1	Snd Lvl	68.2	0.0	8	-8.0

R25 R-5 PPP-1 northwest side	106	1	0.0	61.6	65	61.6	1	----	61.6	0.0	8	-8.0
R26 R-12 Park south side	107	1	0.0	62.8	65	62.8	1	----	62.8	0.0	8	-8.0
R27 S-1 School southwest side	108	1	0.0	61.3	65	61.3	1	----	61.3	0.0	8	-8.0
R28 R-12 Park north side	109	1	0.0	63.4	65	63.4	1	----	63.4	0.0	8	-8.0
R29 S-1 School west side	110	1	0.0	62.9	65	62.9	1	----	62.9	0.0	8	-8.0
R30 S-1 School northwest side	111	1	0.0	62.3	65	62.3	1	----	62.3	0.0	8	-8.0
R31 P-2 park	112	1	0.0	62.3	65	62.3	1	----	62.3	0.0	8	-8.0
R32 MU-1	113	1	0.0	63.8	65	63.8	1	----	63.8	0.0	8	-8.0
R33 R-10 Lot 6	114	1	0.0	67.0	60	67.0	1	Snd Lvl	67.0	0.0	8	-8.0
R34 R-10 Lot 4	115	1	0.0	66.7	60	66.7	1	Snd Lvl	66.7	0.0	8	-8.0
R35 R-10 Lot 2	116	1	0.0	66.6	60	66.6	1	Snd Lvl	66.6	0.0	8	-8.0
R36 R-11 PP-4	117	1	0.0	61.1	65	61.1	1	----	61.1	0.0	8	-8.0
R37 R-11 Lot 54	118	1	0.0	65.9	60	65.9	1	Snd Lvl	65.9	0.0	8	-8.0
R38 R-11 Lot 58	119	1	0.0	65.8	60	65.8	1	Snd Lvl	65.8	0.0	8	-8.0
R39 R-11 Lot 61	120	1	0.0	65.9	60	65.9	1	Snd Lvl	65.9	0.0	8	-8.0
R40 R-11 Lot 1	121	1	0.0	64.7	60	64.7	1	Snd Lvl	64.7	0.0	8	-8.0
R41 R-11 Lot 4	122	1	0.0	64.0	60	64.0	1	Snd Lvl	64.0	0.0	8	-8.0
R42 R-11 Lot 6	123	1	0.0	59.4	60	59.4	1	----	59.4	0.0	8	-8.0
R43 R-11 Lot 8	124	1	0.0	52.5	60	52.5	1	----	52.5	0.0	8	-8.0
R44 R-14 Lot 64	125	1	0.0	59.0	60	59.0	1	----	59.0	0.0	8	-8.0
R45 R-14 Lot 28	126	1	0.0	63.0	60	63.0	1	Snd Lvl	63.0	0.0	8	-8.0
R46 R-14 open space	127	1	0.0	55.2	65	55.2	1	----	55.2	0.0	8	-8.0
R47 R-14 Lot 27	128	1	0.0	68.0	60	68.0	1	Snd Lvl	68.0	0.0	8	-8.0
R48 R-14 Lot 2	129	1	0.0	67.1	60	67.1	1	Snd Lvl	67.1	0.0	8	-8.0
R49 R-14 Lot 1	130	1	0.0	66.8	60	66.8	1	Snd Lvl	66.8	0.0	8	-8.0
R50 R-14 P-4	131	1	0.0	62.7	60	62.7	1	Snd Lvl	62.7	0.0	8	-8.0
R51 R-13 Lot 1	132	1	0.0	65.4	60	65.4	0	Snd Lvl	65.4	0.0	8	-8.0
R52 R-13 Lot 9	133	1	0.0	64.8	60	64.8	0	Snd Lvl	64.8	0.0	8	-8.0
R53 R-13 Lot 8	134	1	0.0	61.6	60	61.6	0	Snd Lvl	61.6	0.0	8	-8.0
R54 R-13 Lot 10	135	1	0.0	66.0	60	66.0	0	Snd Lvl	66.0	0.0	8	-8.0
R55 R-13 Lot 11	136	1	0.0	66.5	60	66.5	0	Snd Lvl	66.5	0.0	8	-8.0
R56 R-13 Lot 12	138	1	0.0	65.9	66	65.9	10	----	65.9	0.0	8	-8.0

Dwelling Units	**# DUs**	**Noise Reduction**		
		Min	**Avg**	**Max**
		dB	**dB**	**dB**
All Selected	56	0.0	0.0	0.0
All Impacted	25	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek	12 September 2017
M Greene	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	8207 a State highway agency substantiates the use
RUN:	OtyRnchV14PrctrVlly2030wProj w Mit of a different type with the approval of FHWA

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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Rd - Ent 7 to Ent 8	40.0	point845	845	6,360,531.5	1,833,317.4	906.00				Average	
		point847	847	6,360,575.5	1,833,349.5	907.90				Average	
		point848	848	6,360,599.5	1,833,371.0	909.90				Average	
		point849	849	6,360,619.5	1,833,396.1	911.90				Average	

		point850	850	6,360,635.5	1,833,424.1	913.80				Average	
		point851	851	6,360,691.0	1,833,542.9	922.50				Average	
		point852	852	6,360,706.0	1,833,570.1	924.20				Average	
		point853	853	6,360,725.0	1,833,594.6	924.70				Average	
		point854	854	6,360,747.5	1,833,615.9	925.20				Average	
		point855	855	6,360,829.5	1,833,682.5	927.00				Average	
		point856	856	6,360,855.5	1,833,707.2	927.50				Average	
		point857	857	6,360,876.0	1,833,736.1	928.20				Average	
		point858	858	6,360,891.5	1,833,768.2	929.40				Average	
		point859	859	6,360,896.5	1,833,806.6	930.60				Average	
		point860	860	6,360,896.5	1,833,838.9	931.80				Average	
		point861	861	6,360,896.5	1,834,681.8	923.90				Average	
		point862	862	6,360,893.5	1,834,739.8	919.80				Average	
		point863	863	6,360,885.0	1,834,798.1	915.70				Average	
		point864	864	6,360,878.0	1,834,855.4	911.70				Average	
		point893	893	6,360,868.5	1,834,918.4	908.80					
Proctor Valley Road - Ent 9 to Melody	25.0	point881	881	6,368,149.0	1,836,340.0	960.00				Average	
		point882	882	6,366,145.0	1,836,340.0	968.00				Average	
		point883	883	6,362,537.5	1,836,340.0	910.00					
Proctor Valley Road - Proj Ent 1 to Chula	60.0	point884	884	6,354,425.0	1,823,684.4	591.80				Average	
		point602	602	6,354,319.0	1,823,650.4	591.10				Average	
		point603	603	6,354,213.0	1,823,616.2	591.00				Average	
		point604	604	6,354,107.0	1,823,582.2	589.90				Average	
		point605	605	6,354,001.0	1,823,548.1	588.80				Average	
		point606	606	6,353,895.0	1,823,514.1	587.60				Average	
		point607	607	6,353,846.5	1,823,497.4	587.10				Average	
		point608	608	6,353,799.0	1,823,478.8	586.60				Average	
		point609	609	6,353,752.5	1,823,458.0	586.10				Average	
		point610	610	6,353,706.5	1,823,435.4	585.60				Average	
		point611	611	6,353,662.0	1,823,410.8	585.10				Average	
		point612	612	6,353,618.0	1,823,384.4	584.60				Average	
		point613	613	6,353,575.5	1,823,356.0	584.10				Average	
		point614	614	6,353,534.5	1,823,326.0	583.60				Average	
		point615	615	6,353,494.5	1,823,294.1	583.10				Average	
		point616	616	6,353,456.0	1,823,260.6	582.50				Average	
		point617	617	6,353,419.0	1,823,225.6	582.00				Average	
		point618	618	6,353,383.5	1,823,188.9	581.50				Average	
		point619	619	6,353,349.5	1,823,150.9	581.00				Average	
		point620	620	6,353,317.0	1,823,111.2	580.50				Average	

		point621	621	6,353,286.5	1,823,070.4	580.00				Average	
		point622	622	6,353,257.5	1,823,028.2	579.50				Average	
		point623	623	6,353,230.5	1,822,985.0	579.00				Average	
		point624	624	6,353,139.5	1,822,831.8	577.20				Average	
		point625	625	6,353,113.0	1,822,789.2	576.70				Average	
		point626	626	6,353,084.5	1,822,747.9	576.30				Average	
		point627	627	6,353,055.0	1,822,707.8	576.60				Average	
		point628	628	6,353,023.0	1,822,669.0	577.10				Average	
		point629	629	6,352,990.0	1,822,631.5	577.60				Average	
		point630	630	6,352,955.5	1,822,595.4	578.10				Average	
		point631	631	6,352,919.0	1,822,560.9	578.60				Average	
		point632	632	6,352,881.5	1,822,527.8	579.10				Average	
		point633	633	6,352,842.5	1,822,496.2	579.60				Average	
		point634	634	6,352,802.5	1,822,466.5	580.10				Average	
		point635	635	6,352,761.0	1,822,438.4	580.60				Average	
		point636	636	6,352,718.5	1,822,412.0	581.10				Average	
		point637	637	6,352,675.0	1,822,387.5	580.60				Average	
		point638	638	6,352,630.5	1,822,364.8	581.00				Average	
		point639	639	6,352,585.0	1,822,343.9	581.50				Average	
		point640	640	6,352,538.5	1,822,325.0	582.00				Average	
		point641	641	6,352,443.5	1,822,288.4	583.10				Average	
		point642	642	6,352,397.5	1,822,269.0	583.30				Average	
		point643	643	6,352,352.5	1,822,247.0	583.20				Average	
		point644	644	6,352,309.0	1,822,222.2	582.70				Average	
		point645	645	6,352,267.5	1,822,194.9	582.20				Average	
		point646	646	6,352,227.0	1,822,165.1	581.70				Average	
		point647	647	6,352,189.0	1,822,133.0	581.20				Average	
		point648	648	6,352,153.0	1,822,098.5	580.70				Average	
		point649	649	6,352,119.0	1,822,062.0	580.20				Average	
		point650	650	6,352,087.0	1,822,023.5	579.70				Average	
		point651	651	6,352,057.5	1,821,983.0	579.20				Average	
		point652	652	6,352,031.0	1,821,941.0	578.70				Average	
		point653	653	6,352,006.5	1,821,897.4	578.20				Average	
		point654	654	6,351,985.0	1,821,852.2	577.70				Average	
		point655	655	6,351,966.0	1,821,806.0	577.20				Average	
		point656	656	6,351,950.0	1,821,758.8	576.70				Average	
		point657	657	6,351,919.0	1,821,657.0	575.60				Average	
		point658	658	6,351,888.0	1,821,555.1	574.50				Average	
		point659	659	6,351,857.0	1,821,453.4	573.50				Average	

		point660	660	6,351,826.0	1,821,351.6	572.40				Average	
		point661	661	6,351,795.0	1,821,249.9	571.30				Average	
		point662	662	6,351,764.0	1,821,148.0	570.30				Average	
		point663	663	6,351,752.0	1,821,111.1	569.90				Average	
		point664	664	6,351,738.5	1,821,074.8	569.50				Average	
		point665	665	6,351,704.0	1,820,986.4	568.60				Average	
		point666	666	6,351,669.5	1,820,898.0	568.40				Average	
		point667	667	6,351,635.0	1,820,809.8	569.40				Average	
		point668	668	6,351,600.0	1,820,721.4	570.40				Average	
		point669	669	6,351,565.5	1,820,633.0	571.30				Average	
		point670	670	6,351,531.0	1,820,544.6	572.20				Average	
		point671	671	6,351,496.5	1,820,456.4	572.80				Average	
		point672	672	6,351,461.5	1,820,368.0	571.90				Average	
		point673	673	6,351,442.5	1,820,323.2	571.40				Average	
		point674	674	6,351,420.0	1,820,279.9	570.90				Average	
		point675	675	6,351,394.5	1,820,238.2	570.40				Average	
		point676	676	6,351,366.5	1,820,198.5	569.90				Average	
		point677	677	6,351,335.5	1,820,160.8	569.40				Average	
		point678	678	6,351,302.0	1,820,125.4	568.90				Average	
		point679	679	6,351,266.0	1,820,092.2	568.40				Average	
		point680	680	6,351,228.0	1,820,061.8	567.90				Average	
		point681	681	6,351,188.0	1,820,034.0	567.50				Average	
		point682	682	6,351,146.0	1,820,009.1	567.00				Average	
		point683	683	6,351,102.5	1,819,987.2	566.50				Average	
		point684	684	6,351,057.5	1,819,968.5	566.00				Average	
		point685	685	6,351,011.0	1,819,952.9	565.50				Average	
		point686	686	6,350,964.0	1,819,940.5	565.00				Average	
		point687	687	6,350,916.0	1,819,931.4	564.50				Average	
		point688	688	6,350,867.5	1,819,925.6	564.00				Average	
		point689	689	6,350,819.0	1,819,923.4	563.60				Average	
		point690	690	6,350,770.0	1,819,924.4	563.10				Average	
		point691	691	6,350,721.5	1,819,928.9	562.60				Average	
		point692	692	6,350,625.0	1,819,941.2	561.70				Average	
		point693	693	6,350,528.5	1,819,953.5	561.60				Average	
		point694	694	6,350,432.0	1,819,965.8	562.60				Average	
		point695	695	6,350,335.5	1,819,978.1	565.10				Average	
		point696	696	6,350,239.0	1,819,990.4	568.80				Average	
		point697	697	6,350,142.5	1,820,002.6	572.20				Average	
		point698	698	6,350,045.5	1,820,015.0	575.60				Average	

		point699	699	6,349,996.5	1,820,022.0	577.30				Average	
		point700	700	6,349,948.0	1,820,030.8	579.00				Average	
		point701	701	6,349,899.5	1,820,041.0	580.80				Average	
		point702	702	6,349,851.5	1,820,052.9	582.50				Average	
		point703	703	6,349,804.0	1,820,066.2	584.20				Average	
		point704	704	6,349,756.5	1,820,081.4	585.90				Average	
		point705	705	6,349,710.0	1,820,097.9	587.70				Average	
		point706	706	6,349,664.0	1,820,116.0	589.40				Average	
		point707	707	6,349,618.5	1,820,135.6	591.10				Average	
		point708	708	6,349,573.5	1,820,156.6	592.80				Average	
		point709	709	6,349,529.5	1,820,179.2	594.60				Average	
		point710	710	6,349,486.5	1,820,203.2	596.30				Average	
		point711	711	6,349,389.0	1,820,259.2	600.20				Average	
		point712	712	6,349,292.0	1,820,315.2	604.10				Average	
		point713	713	6,349,194.5	1,820,371.4	608.00				Average	
		point714	714	6,349,097.5	1,820,427.4	611.90				Average	
		point715	715	6,349,000.0	1,820,483.4	615.90				Average	
		point716	716	6,348,903.0	1,820,539.5	619.80				Average	
		point717	717	6,348,819.5	1,820,587.5	624.60					
Proctor Valley Road - Proj Ent 1 to 2	60.0	point886	886	6,354,855.5	1,824,377.8	603.80				Average	
		point592	592	6,354,808.0	1,824,274.2	602.10				Average	
		point593	593	6,354,761.0	1,824,170.8	600.40				Average	
		point594	594	6,354,713.5	1,824,067.2	598.60				Average	
		point595	595	6,354,692.5	1,824,024.8	597.90				Average	
		point596	596	6,354,668.5	1,823,983.8	597.20				Average	
		point597	597	6,354,641.5	1,823,944.5	596.40				Average	
		point598	598	6,354,612.5	1,823,907.2	595.70				Average	
		point599	599	6,354,550.0	1,823,833.0	594.20				Average	
		point885	885	6,354,487.5	1,823,758.6	593.10				Average	
		point601	601	6,354,425.0	1,823,684.4	591.80					
Proctor Valley Road - Proj Ent 2 to 3	60.0	point887	887	6,355,996.0	1,826,801.6	649.50				Average	
		point551	551	6,355,981.0	1,826,756.0	648.90				Average	
		point552	552	6,355,967.5	1,826,709.8	648.10				Average	
		point553	553	6,355,957.0	1,826,662.9	647.30				Average	
		point554	554	6,355,948.5	1,826,615.6	646.50				Average	
		point555	555	6,355,942.5	1,826,567.9	645.70				Average	
		point556	556	6,355,939.0	1,826,520.0	644.90				Average	
		point557	557	6,355,934.0	1,826,413.9	643.10				Average	
		point558	558	6,355,929.0	1,826,307.8	641.40				Average	

		point559	559	6,355,924.0	1,826,201.6	639.60				Average	
		point560	560	6,355,919.0	1,826,095.5	637.80				Average	
		point561	561	6,355,914.0	1,825,989.4	636.30				Average	
		point562	562	6,355,909.0	1,825,883.2	635.20				Average	
		point563	563	6,355,904.0	1,825,777.1	634.10				Average	
		point564	564	6,355,899.5	1,825,727.6	633.60				Average	
		point565	565	6,355,891.0	1,825,678.8	633.10				Average	
		point566	566	6,355,878.5	1,825,630.8	632.60				Average	
		point567	567	6,355,862.0	1,825,584.0	632.20				Average	
		point568	568	6,355,842.0	1,825,538.6	631.70				Average	
		point569	569	6,355,818.0	1,825,495.2	631.20				Average	
		point570	570	6,355,790.5	1,825,453.9	630.70				Average	
		point571	571	6,355,760.0	1,825,414.9	630.20				Average	
		point572	572	6,355,726.0	1,825,378.6	629.70				Average	
		point573	573	6,355,689.5	1,825,345.2	629.20				Average	
		point574	574	6,355,650.0	1,825,315.0	628.70				Average	
		point575	575	6,355,543.5	1,825,240.2	627.40				Average	
		point576	576	6,355,437.5	1,825,165.5	626.10				Average	
		point577	577	6,355,331.0	1,825,090.6	624.80				Average	
		point578	578	6,355,292.5	1,825,062.0	624.30				Average	
		point579	579	6,355,255.5	1,825,031.6	623.80				Average	
		point580	580	6,355,219.5	1,824,999.4	623.30				Average	
		point581	581	6,355,185.5	1,824,965.5	622.80				Average	
		point582	582	6,355,153.0	1,824,930.0	622.40				Average	
		point583	583	6,355,122.5	1,824,893.0	621.90				Average	
		point584	584	6,355,093.5	1,824,854.6	621.30				Average	
		point585	585	6,355,066.5	1,824,814.9	620.50				Average	
		point586	586	6,355,041.5	1,824,773.8	619.40				Average	
		point587	587	6,355,018.5	1,824,731.6	617.90				Average	
		point588	588	6,354,997.5	1,824,688.4	616.00				Average	
		point589	589	6,354,950.0	1,824,584.9	611.00				Average	
		point590	590	6,354,902.5	1,824,481.4	606.40				Average	
		point591	591	6,354,855.5	1,824,377.8	603.80					
Proctor Valley Road - Proj Ent 3 to 4	60.0	point888	888	6,356,791.0	1,827,626.9	692.80				Average	
		point533	533	6,356,707.0	1,827,562.4	689.10				Average	
		point534	534	6,356,623.5	1,827,497.8	684.20				Average	
		point535	535	6,356,593.5	1,827,474.2	682.40				Average	
		point536	536	6,356,564.0	1,827,450.1	680.70				Average	
		point537	537	6,356,535.0	1,827,425.5	679.00				Average	

		point538	538	6,356,445.5	1,827,348.0	673.40				Average	
		point539	539	6,356,356.0	1,827,270.5	667.50				Average	
		point540	540	6,356,266.5	1,827,193.0	662.30				Average	
		point541	541	6,356,231.0	1,827,160.6	660.20				Average	
		point542	542	6,356,197.0	1,827,126.5	658.30				Average	
		point543	543	6,356,165.0	1,827,090.6	656.40				Average	
		point544	544	6,356,134.5	1,827,053.2	655.00				Average	
		point545	545	6,356,106.5	1,827,014.5	653.80				Average	
		point546	546	6,356,080.0	1,826,974.2	652.90				Average	
		point547	547	6,356,056.0	1,826,932.8	652.10				Average	
		point548	548	6,356,033.5	1,826,890.0	650.40				Average	
		point549	549	6,356,014.0	1,826,846.2	650.50				Average	
		point550	550	6,355,996.0	1,826,801.6	649.50					
Proctor Valley Road - Proj Ent 4 to 5	60.0	point889	889	6,359,116.5	1,829,950.2	763.10				Average	
		point485	485	6,359,094.5	1,829,907.9	762.40				Average	
		point486	486	6,359,072.0	1,829,865.5	761.60				Average	
		point487	487	6,359,049.5	1,829,823.1	760.60				Average	
		point488	488	6,359,027.5	1,829,780.8	759.00				Average	
		point489	489	6,359,005.0	1,829,738.4	756.50				Average	
		point490	490	6,358,982.5	1,829,696.0	753.50				Average	
		point491	491	6,358,960.5	1,829,653.6	750.00				Average	
		point492	492	6,358,938.0	1,829,611.2	746.90				Average	
		point493	493	6,358,916.0	1,829,568.9	744.90				Average	
		point494	494	6,358,893.5	1,829,526.5	743.00				Average	
		point495	495	6,358,871.0	1,829,484.1	741.50				Average	
		point496	496	6,358,849.0	1,829,441.8	740.10				Average	
		point497	497	6,358,803.5	1,829,368.9	737.40				Average	
		point498	498	6,358,748.5	1,829,303.2	734.70				Average	
		point499	499	6,358,712.0	1,829,265.8	733.10				Average	
		point500	500	6,358,675.5	1,829,228.2	731.40				Average	
		point501	501	6,358,639.0	1,829,190.8	729.80				Average	
		point502	502	6,358,602.5	1,829,153.2	728.10				Average	
		point503	503	6,358,566.5	1,829,115.8	726.50				Average	
		point504	504	6,358,530.0	1,829,078.2	724.80				Average	
		point505	505	6,358,493.5	1,829,040.8	723.20				Average	
		point506	506	6,358,457.0	1,829,003.2	721.50				Average	
		point507	507	6,358,421.0	1,828,965.2	719.90				Average	
		point508	508	6,358,385.5	1,828,927.2	718.30				Average	
		point509	509	6,358,349.5	1,828,889.1	716.70				Average	

		point510	510	6,358,313.5	1,828,851.1	715.20				Average	
		point511	511	6,358,278.0	1,828,813.1	714.20				Average	
		point512	512	6,358,242.0	1,828,775.1	713.60				Average	
		point513	513	6,358,206.0	1,828,737.0	713.00				Average	
		point514	514	6,358,170.5	1,828,699.0	712.50				Average	
		point515	515	6,358,136.5	1,828,665.6	712.00				Average	
		point516	516	6,358,100.0	1,828,635.1	711.50				Average	
		point517	517	6,358,048.5	1,828,595.4	710.90				Average	
		point518	518	6,357,964.5	1,828,530.9	709.80				Average	
		point519	519	6,357,880.5	1,828,466.2	708.80				Average	
		point520	520	6,357,797.0	1,828,401.8	707.70				Average	
		point521	521	6,357,713.0	1,828,337.1	706.70				Average	
		point522	522	6,357,629.0	1,828,272.6	705.60				Average	
		point523	523	6,357,545.5	1,828,208.0	704.50				Average	
		point524	524	6,357,461.5	1,828,143.5	703.50				Average	
		point525	525	6,357,378.0	1,828,078.9	702.40				Average	
		point526	526	6,357,294.0	1,828,014.4	701.40				Average	
		point527	527	6,357,210.0	1,827,949.8	700.30				Average	
		point528	528	6,357,126.5	1,827,885.1	699.20				Average	
		point529	529	6,357,042.5	1,827,820.6	698.20				Average	
		point530	530	6,356,958.5	1,827,756.0	697.10				Average	
		point531	531	6,356,875.0	1,827,691.5	695.50				Average	
		point532	532	6,356,791.0	1,827,626.9	692.80					
Proctor Valley Road - Proj Ent 5 to 6	60.0	point890	890	6,359,518.0	1,831,098.8	836.00				Average	
		point461	461	6,359,514.5	1,831,048.6	835.30				Average	
		point462	462	6,359,510.0	1,830,998.5	834.10				Average	
		point463	463	6,359,504.0	1,830,948.6	832.80				Average	
		point464	464	6,359,496.5	1,830,898.9	831.00				Average	
		point465	465	6,359,488.0	1,830,849.4	829.00				Average	
		point466	466	6,359,478.0	1,830,800.0	825.70				Average	
		point467	467	6,359,467.0	1,830,751.0	822.20				Average	
		point468	468	6,359,455.0	1,830,702.2	818.00				Average	
		point469	469	6,359,441.5	1,830,653.9	813.80				Average	
		point470	470	6,359,427.0	1,830,605.8	809.70				Average	
		point471	471	6,359,411.0	1,830,558.0	805.50				Average	
		point472	472	6,359,394.0	1,830,510.8	801.30				Average	
		point473	473	6,359,375.5	1,830,463.9	797.10				Average	
		point474	474	6,359,356.0	1,830,417.5	793.00				Average	
		point475	475	6,359,335.5	1,830,371.6	788.80				Average	

		point476	476	6,359,314.0	1,830,326.4	784.70				Average	
		point477	477	6,359,291.0	1,830,281.6	780.60				Average	
		point478	478	6,359,235.5	1,830,176.4	772.20				Average	
		point479	479	6,359,219.5	1,830,143.0	769.80				Average	
		point480	480	6,359,203.5	1,830,105.4	768.00				Average	
		point481	481	6,359,187.0	1,830,067.8	766.70				Average	
		point482	482	6,359,164.0	1,830,021.8	765.10				Average	
		point483	483	6,359,136.5	1,829,978.2	763.40				Average	
		point484	484	6,359,116.5	1,829,950.2	763.10					
Proctor Valley Road - West Fork	40.0	point891	891	6,360,476.5	1,835,546.8	884.80				Average	
		point763	763	6,360,443.5	1,835,500.8	885.50				Average	
		point764	764	6,360,416.5	1,835,458.5	886.20				Average	
		point765	765	6,360,393.5	1,835,413.6	886.80				Average	
		point766	766	6,360,375.5	1,835,366.8	887.00				Average	
		point767	767	6,360,368.0	1,835,342.8	887.20				Average	
		point768	768	6,360,354.5	1,835,294.0	886.60				Average	
		point769	769	6,360,341.5	1,835,245.4	885.90				Average	
		point770	770	6,360,328.0	1,835,196.6	885.00				Average	
		point771	771	6,360,314.5	1,835,148.0	884.00				Average	
		point772	772	6,360,300.5	1,835,099.4	883.20				Average	
		point773	773	6,360,285.0	1,835,051.4	882.50				Average	
		point774	774	6,360,269.0	1,835,003.5	882.20				Average	
		point775	775	6,360,253.0	1,834,955.5	882.50				Average	
		point776	776	6,360,237.0	1,834,907.6	883.20				Average	
		point777	777	6,360,226.5	1,834,870.4	883.90				Average	
		point778	778	6,360,218.5	1,834,832.5	884.70				Average	
		point779	779	6,360,209.5	1,834,780.4	886.50				Average	
		point780	780	6,360,201.0	1,834,728.2	888.30				Average	
		point781	781	6,360,192.0	1,834,676.0	890.60				Average	
		point782	782	6,360,183.5	1,834,623.9	892.80				Average	
		point783	783	6,360,173.5	1,834,572.0	895.00				Average	
		point784	784	6,360,163.5	1,834,520.0	897.20				Average	
		point785	785	6,360,153.5	1,834,468.1	899.50				Average	
		point786	786	6,360,144.0	1,834,416.1	901.70				Average	
		point787	787	6,360,134.0	1,834,364.2	904.00				Average	
		point788	788	6,360,127.0	1,834,312.8	906.20				Average	
		point789	789	6,360,125.0	1,834,261.0	908.30				Average	
		point790	790	6,360,129.0	1,834,209.2	909.70				Average	
		point791	791	6,360,138.0	1,834,158.1	910.90				Average	

		point792	792	6,360,152.0	1,834,108.2	912.20				Average	
		point793	793	6,360,171.5	1,834,060.1	912.80				Average	
		point794	794	6,360,474.5	1,833,407.5	907.20				Average	
		point795	795	6,360,484.5	1,833,386.6	907.10				Average	
		point796	796	6,360,508.0	1,833,346.5	906.90				Average	
		point797	797	6,360,535.0	1,833,308.6	906.70					
Proctor Valley Road - Ent 8 to Melody	40.0	point876	876	6,362,537.5	1,836,340.0	910.00				Average	
		point877	877	6,362,460.5	1,836,102.2	904.00				Average	
		point878	878	6,361,350.0	1,836,103.2	904.20				Average	
		point879	879	6,361,272.5	1,836,104.5	901.80				Average	
		point880	880	6,361,198.5	1,836,106.0	901.10				Average	
		point450	450	6,361,196.5	1,836,105.6	901.10				Average	
		point452	452	6,361,145.0	1,836,103.8	900.90				Average	
		point746	746	6,361,094.0	1,836,096.6	901.80				Average	
		point747	747	6,361,044.0	1,836,084.2	901.90				Average	
		point748	748	6,360,995.5	1,836,066.8	902.00				Average	
		point749	749	6,360,949.0	1,836,044.4	902.10				Average	
		point750	750	6,360,905.0	1,836,017.4	902.20				Average	
		point751	751	6,360,864.5	1,835,986.0	901.00				Average	
		point752	752	6,360,817.5	1,835,945.9	899.60				Average	
		point753	753	6,360,770.5	1,835,905.8	897.60				Average	
		point754	754	6,360,723.5	1,835,865.8	894.90				Average	
		point755	755	6,360,705.0	1,835,849.5	893.80				Average	
		point756	756	6,360,671.5	1,835,814.6	891.70				Average	
		point757	757	6,360,641.5	1,835,776.6	889.60				Average	
		point758	758	6,360,608.5	1,835,730.6	888.20				Average	
		point759	759	6,360,575.5	1,835,684.6	887.30				Average	
		point760	760	6,360,542.5	1,835,638.8	886.50				Average	
		point761	761	6,360,509.5	1,835,592.8	885.50				Average	
		point762	762	6,360,476.5	1,835,546.8	884.80					
Proctor Valley Road - Proj Ent 6 to 7	60.0	point892	892	6,360,535.0	1,833,308.6	906.70				Average	
		point798	798	6,360,565.5	1,833,273.4	906.00				Average	
		point799	799	6,360,677.0	1,833,156.2	901.10				Average	
		point800	800	6,360,710.0	1,833,117.9	899.00				Average	
		point801	801	6,360,739.0	1,833,076.4	896.70				Average	
		point802	802	6,360,763.5	1,833,032.1	894.50				Average	
		point803	803	6,360,783.5	1,832,985.6	892.30				Average	
		point804	804	6,360,798.5	1,832,937.2	890.50				Average	
		point805	805	6,360,809.0	1,832,887.8	888.80				Average	

		point806	806	6,360,814.0	1,832,837.4	888.30				Average	
		point807	807	6,360,814.0	1,832,786.8	887.80				Average	
		point808	808	6,360,809.0	1,832,736.4	887.20				Average	
		point809	809	6,360,799.0	1,832,686.8	886.80				Average	
		point810	810	6,360,784.0	1,832,638.5	887.60				Average	
		point811	811	6,360,722.5	1,832,472.2	893.10				Average	
		point812	812	6,360,714.5	1,832,452.8	894.00				Average	
		point813	813	6,360,706.0	1,832,433.5	894.90				Average	
		point814	814	6,360,697.0	1,832,414.6	895.70				Average	
		point815	815	6,360,686.5	1,832,396.1	896.60				Average	
		point816	816	6,360,676.0	1,832,378.1	897.60				Average	
		point817	817	6,360,664.0	1,832,360.6	898.70				Average	
		point818	818	6,360,652.0	1,832,343.5	900.40				Average	
		point819	819	6,360,639.0	1,832,327.0	898.00				Average	
		point820	820	6,360,469.5	1,832,122.2	908.10				Average	
		point821	821	6,360,452.5	1,832,102.6	908.40				Average	
		point822	822	6,360,435.0	1,832,083.8	908.80				Average	
		point823	823	6,360,416.5	1,832,065.6	909.10				Average	
		point824	824	6,360,397.0	1,832,048.4	909.50				Average	
		point825	825	6,360,377.0	1,832,032.0	909.80				Average	
		point826	826	6,360,356.0	1,832,016.5	910.10				Average	
		point827	827	6,360,335.0	1,832,001.9	910.20				Average	
		point828	828	6,360,313.0	1,831,988.1	910.00				Average	
		point829	829	6,360,290.0	1,831,975.4	909.80				Average	
		point830	830	6,360,267.0	1,831,963.8	909.60				Average	
		point831	831	6,359,717.0	1,831,699.0	876.40				Average	
		point832	832	6,359,693.5	1,831,686.6	874.40				Average	
		point833	833	6,359,671.0	1,831,672.4	872.30				Average	
		point834	834	6,359,649.5	1,831,656.5	870.30				Average	
		point835	835	6,359,629.5	1,831,639.1	868.20				Average	
		point836	836	6,359,611.0	1,831,620.2	866.20				Average	
		point837	837	6,359,593.5	1,831,599.9	864.10				Average	
		point838	838	6,359,578.0	1,831,578.4	862.00				Average	
		point839	839	6,359,564.0	1,831,555.8	860.00				Average	
		point840	840	6,359,552.0	1,831,532.1	857.80				Average	
		point841	841	6,359,541.5	1,831,507.6	855.00				Average	
		point842	842	6,359,533.0	1,831,482.4	852.40				Average	
		point843	843	6,359,526.5	1,831,456.6	851.00				Average	
		point453	453	6,359,522.0	1,831,430.4	849.50				Average	

		point454	454	6,359,519.5	1,831,403.9	847.60				Average	
		point455	455	6,359,519.0	1,831,377.2	845.70				Average	
		point456	456	6,359,519.0	1,831,350.9	844.60				Average	
		point457	457	6,359,521.0	1,831,249.5	840.40				Average	
		point458	458	6,359,521.5	1,831,199.2	838.00				Average	
		point459	459	6,359,520.5	1,831,149.0	836.90				Average	
		point460	460	6,359,518.0	1,831,098.8	836.00					
Proctor Valley Rd - Ent 8 to Melody	40.0	point894	894	6,360,868.0	1,834,920.0	908.80				Average	
		point865	865	6,360,849.0	1,834,975.9	905.90				Average	
		point866	866	6,360,820.5	1,835,031.9	902.60				Average	
		point867	867	6,360,794.0	1,835,089.8	899.20				Average	
		point868	868	6,360,762.5	1,835,145.4	896.00				Average	
		point869	869	6,360,662.0	1,835,308.8	889.20				Average	
		point870	870	6,360,643.0	1,835,337.8	888.10				Average	
		point871	871	6,360,622.5	1,835,365.6	887.30				Average	
		point872	872	6,360,591.0	1,835,402.4	886.40				Average	
		point873	873	6,360,556.5	1,835,436.6	885.70				Average	
		point874	874	6,360,529.5	1,835,460.1	885.40				Average	
		point875	875	6,360,503.5	1,835,480.4	885.10				Average	
		point846	846	6,360,457.0	1,835,513.6	884.50					

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M Greene TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProj w Mit

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	570	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	780	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	600	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	3580	97	45	2	45	0	0	1	45	0	0
	point387	387	3580	97	45	2	45	0	0	1	45	0	0
	point445	445	3580	97	45	2	45	0	0	1	45	0	0
	point444	444	3580	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	3820	97	45	2	45	0	0	1	45	0	0
	point434	434	3820	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	4650	97	45	2	45	0	0	1	45	0	0
	point392	392	4650	97	45	2	45	0	0	1	45	0	0
	point430	430	4650	97	45	2	45	0	0	1	45	0	0
	point431	431	4650	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	1170	97	40	2	40	0	0	1	40	0	0
	point428	428	1170	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	1560	97	45	2	45	0	0	1	45	0	0

	point423	423	1560	97	45	2	45	0	0	1	45	0	0
	point424	424	1560	97	45	2	45	0	0	1	45	0	0
	point426	426	1560	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	3570	97	45	2	45	0	0	1	45	0	0
	point429	429	3570	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	190	97	45	2	45	0	0	1	45	0	0
	point446	446	190	97	45	2	45	0	0	1	45	0	0
	point447	447	190	97	45	2	45	0	0	1	45	0	0
	point448	448	190	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	1360	97	45	2	45	0	0	1	45	0	0
	point437	437	1360	97	45	2	45	0	0	1	45	0	0
	point435	435	1360	97	45	2	45	0	0	1	45	0	0
	point436	436	1360	97	45	2	45	0	0	1	45	0	0
	point406	406	1360	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1970	97	45	2	45	0	0	1	45	0	0
	point438	438	1970	97	45	2	45	0	0	1	45	0	0
	point439	439	1970	97	45	2	45	0	0	1	45	0	0
	point440	440	1970	97	45	2	45	0	0	1	45	0	0
	point409	409	1970	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	3580	97	50	2	50	0	0	1	50	0	0
	point412	412	3580	97	50	2	50	0	0	1	50	0	0
	point441	441	3580	97	50	2	50	0	0	1	50	0	0
	point442	442	3580	97	50	2	50	0	0	1	50	0	0
	point443	443	3580	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1600	97	40	2	40	0	0	1	40	0	0
	point433	433	1600	97	40	2	40	0	0	1	40	0	0
	point432	432	1600	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	570	97	40	2	40	0	0	1	40	0	0
	point449	449	570	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Rd - Ent 7 to Ent 8	point845	845	847	97	45	2	45	0	0	1	45	0	0
	point847	847	847	97	45	2	45	0	0	1	45	0	0
	point848	848	847	97	45	2	45	0	0	1	45	0	0
	point849	849	847	97	45	2	45	0	0	1	45	0	0
	point850	850	847	97	45	2	45	0	0	1	45	0	0
	point851	851	847	97	45	2	45	0	0	1	45	0	0
	point852	852	847	97	45	2	45	0	0	1	45	0	0
	point853	853	847	97	45	2	45	0	0	1	45	0	0
	point854	854	847	97	45	2	45	0	0	1	45	0	0
	point855	855	847	97	45	2	45	0	0	1	45	0	0
	point856	856	847	97	45	2	45	0	0	1	45	0	0
	point857	857	847	97	45	2	45	0	0	1	45	0	0
	point858	858	847	97	45	2	45	0	0	1	45	0	0
	point859	859	847	97	45	2	45	0	0	1	45	0	0
	point860	860	847	97	45	2	45	0	0	1	45	0	0
	point861	861	847	97	45	2	45	0	0	1	45	0	0
	point862	862	847	97	45	2	45	0	0	1	45	0	0
	point863	863	847	97	45	2	45	0	0	1	45	0	0
	point864	864	847	97	45	2	45	0	0	1	45	0	0
	point893	893											
Proctor Valley Road - Ent 9 to Melody	point881	881	837	97	45	2	45	0	0	1	45	0	0
	point882	882	837	97	45	2	45	0	0	1	45	0	0
	point883	883											
Proctor Valley Road - Proj Ent 1 to Chula	point884	884	2940	97	45	2	45	0	0	1	45	0	0
	point602	602	2940	97	45	2	45	0	0	1	45	0	0
	point603	603	2940	97	45	2	45	0	0	1	45	0	0
	point604	604	2940	97	45	2	45	0	0	1	45	0	0
	point605	605	2940	97	45	2	45	0	0	1	45	0	0
	point606	606	2940	97	45	2	45	0	0	1	45	0	0
	point607	607	2940	97	45	2	45	0	0	1	45	0	0
	point608	608	2940	97	45	2	45	0	0	1	45	0	0
	point609	609	2940	97	45	2	45	0	0	1	45	0	0
	point610	610	2940	97	45	2	45	0	0	1	45	0	0
	point611	611	2940	97	45	2	45	0	0	1	45	0	0
	point612	612	2940	97	45	2	45	0	0	1	45	0	0

	point613	613	2940	97	45	2	45	0	0	1	45	0	0
	point614	614	2940	97	45	2	45	0	0	1	45	0	0
	point615	615	2940	97	45	2	45	0	0	1	45	0	0
	point616	616	2940	97	45	2	45	0	0	1	45	0	0
	point617	617	2940	97	45	2	45	0	0	1	45	0	0
	point618	618	2940	97	45	2	45	0	0	1	45	0	0
	point619	619	2940	97	45	2	45	0	0	1	45	0	0
	point620	620	2940	97	45	2	45	0	0	1	45	0	0
	point621	621	2940	97	45	2	45	0	0	1	45	0	0
	point622	622	2940	97	45	2	45	0	0	1	45	0	0
	point623	623	2940	97	45	2	45	0	0	1	45	0	0
	point624	624	2940	97	45	2	45	0	0	1	45	0	0
	point625	625	2940	97	45	2	45	0	0	1	45	0	0
	point626	626	2940	97	45	2	45	0	0	1	45	0	0
	point627	627	2940	97	45	2	45	0	0	1	45	0	0
	point628	628	2940	97	45	2	45	0	0	1	45	0	0
	point629	629	2940	97	45	2	45	0	0	1	45	0	0
	point630	630	2940	97	45	2	45	0	0	1	45	0	0
	point631	631	2940	97	45	2	45	0	0	1	45	0	0
	point632	632	2940	97	45	2	45	0	0	1	45	0	0
	point633	633	2940	97	45	2	45	0	0	1	45	0	0
	point634	634	2940	97	45	2	45	0	0	1	45	0	0
	point635	635	2940	97	45	2	45	0	0	1	45	0	0
	point636	636	2940	97	45	2	45	0	0	1	45	0	0
	point637	637	2940	97	45	2	45	0	0	1	45	0	0
	point638	638	2940	97	45	2	45	0	0	1	45	0	0
	point639	639	2940	97	45	2	45	0	0	1	45	0	0
	point640	640	2940	97	45	2	45	0	0	1	45	0	0
	point641	641	2940	97	45	2	45	0	0	1	45	0	0
	point642	642	2940	97	45	2	45	0	0	1	45	0	0
	point643	643	2940	97	45	2	45	0	0	1	45	0	0
	point644	644	2940	97	45	2	45	0	0	1	45	0	0
	point645	645	2940	97	45	2	45	0	0	1	45	0	0
	point646	646	2940	97	45	2	45	0	0	1	45	0	0
	point647	647	2940	97	45	2	45	0	0	1	45	0	0
	point648	648	2940	97	45	2	45	0	0	1	45	0	0

	point649	649	2940	97	45	2	45	0	0	1	45	0	0
	point650	650	2940	97	45	2	45	0	0	1	45	0	0
	point651	651	2940	97	45	2	45	0	0	1	45	0	0
	point652	652	2940	97	45	2	45	0	0	1	45	0	0
	point653	653	2940	97	45	2	45	0	0	1	45	0	0
	point654	654	2940	97	45	2	45	0	0	1	45	0	0
	point655	655	2940	97	45	2	45	0	0	1	45	0	0
	point656	656	2940	97	45	2	45	0	0	1	45	0	0
	point657	657	2940	97	45	2	45	0	0	1	45	0	0
	point658	658	2940	97	45	2	45	0	0	1	45	0	0
	point659	659	2940	97	45	2	45	0	0	1	45	0	0
	point660	660	2940	97	45	2	45	0	0	1	45	0	0
	point661	661	2940	97	45	2	45	0	0	1	45	0	0
	point662	662	2940	97	45	2	45	0	0	1	45	0	0
	point663	663	2940	97	45	2	45	0	0	1	45	0	0
	point664	664	2940	97	45	2	45	0	0	1	45	0	0
	point665	665	2940	97	45	2	45	0	0	1	45	0	0
	point666	666	2940	97	45	2	45	0	0	1	45	0	0
	point667	667	2940	97	45	2	45	0	0	1	45	0	0
	point668	668	2940	97	45	2	45	0	0	1	45	0	0
	point669	669	2940	97	45	2	45	0	0	1	45	0	0
	point670	670	2940	97	45	2	45	0	0	1	45	0	0
	point671	671	2940	97	45	2	45	0	0	1	45	0	0
	point672	672	2940	97	45	2	45	0	0	1	45	0	0
	point673	673	2940	97	45	2	45	0	0	1	45	0	0
	point674	674	2940	97	45	2	45	0	0	1	45	0	0
	point675	675	2940	97	45	2	45	0	0	1	45	0	0
	point676	676	2940	97	45	2	45	0	0	1	45	0	0
	point677	677	2940	97	45	2	45	0	0	1	45	0	0
	point678	678	2940	97	45	2	45	0	0	1	45	0	0
	point679	679	2940	97	45	2	45	0	0	1	45	0	0
	point680	680	2940	97	45	2	45	0	0	1	45	0	0
	point681	681	2940	97	45	2	45	0	0	1	45	0	0
	point682	682	2940	97	45	2	45	0	0	1	45	0	0
	point683	683	2940	97	45	2	45	0	0	1	45	0	0
	point684	684	2940	97	45	2	45	0	0	1	45	0	0

	point685	685	2940	97	45	2	45	0	0	1	45	0	0
	point686	686	2940	97	45	2	45	0	0	1	45	0	0
	point687	687	2940	97	45	2	45	0	0	1	45	0	0
	point688	688	2940	97	45	2	45	0	0	1	45	0	0
	point689	689	2940	97	45	2	45	0	0	1	45	0	0
	point690	690	2940	97	45	2	45	0	0	1	45	0	0
	point691	691	2940	97	45	2	45	0	0	1	45	0	0
	point692	692	2940	97	45	2	45	0	0	1	45	0	0
	point693	693	2940	97	45	2	45	0	0	1	45	0	0
	point694	694	2940	97	45	2	45	0	0	1	45	0	0
	point695	695	2940	97	45	2	45	0	0	1	45	0	0
	point696	696	2940	97	45	2	45	0	0	1	45	0	0
	point697	697	2940	97	45	2	45	0	0	1	45	0	0
	point698	698	2940	97	45	2	45	0	0	1	45	0	0
	point699	699	2940	97	45	2	45	0	0	1	45	0	0
	point700	700	2940	97	45	2	45	0	0	1	45	0	0
	point701	701	2940	97	45	2	45	0	0	1	45	0	0
	point702	702	2940	97	45	2	45	0	0	1	45	0	0
	point703	703	2940	97	45	2	45	0	0	1	45	0	0
	point704	704	2940	97	45	2	45	0	0	1	45	0	0
	point705	705	2940	97	45	2	45	0	0	1	45	0	0
	point706	706	2940	97	45	2	45	0	0	1	45	0	0
	point707	707	2940	97	45	2	45	0	0	1	45	0	0
	point708	708	2940	97	45	2	45	0	0	1	45	0	0
	point709	709	2940	97	45	2	45	0	0	1	45	0	0
	point710	710	2940	97	45	2	45	0	0	1	45	0	0
	point711	711	2940	97	45	2	45	0	0	1	45	0	0
	point712	712	2940	97	45	2	45	0	0	1	45	0	0
	point713	713	2940	97	45	2	45	0	0	1	45	0	0
	point714	714	2940	97	45	2	45	0	0	1	45	0	0
	point715	715	2940	97	45	2	45	0	0	1	45	0	0
	point716	716	2940	97	45	2	45	0	0	1	45	0	0
	point717	717											
Proctor Valley Road - Proj Ent 1 to 2	point886	886	2770	97	45	2	45	0	0	1	45	0	0
	point592	592	2770	97	45	2	45	0	0	1	45	0	0
	point593	593	2770	97	45	2	45	0	0	1	45	0	0

	point594	594	2770	97	45	2	45	0	0	1	45	0	0
	point595	595	2770	97	45	2	45	0	0	1	45	0	0
	point596	596	2770	97	45	2	45	0	0	1	45	0	0
	point597	597	2770	97	45	2	45	0	0	1	45	0	0
	point598	598	2770	97	45	2	45	0	0	1	45	0	0
	point599	599	2770	97	45	2	45	0	0	1	45	0	0
	point885	885	2770	97	45	2	45	0	0	1	45	0	0
	point601	601											
Proctor Valley Road - Proj Ent 2 to 3	point887	887	2400	97	45	2	45	0	0	1	45	0	0
	point551	551	2400	97	45	2	45	0	0	1	45	0	0
	point552	552	2400	97	45	2	45	0	0	1	45	0	0
	point553	553	2400	97	45	2	45	0	0	1	45	0	0
	point554	554	2400	97	45	2	45	0	0	1	45	0	0
	point555	555	2400	97	45	2	45	0	0	1	45	0	0
	point556	556	2400	97	45	2	45	0	0	1	45	0	0
	point557	557	2400	97	45	2	45	0	0	1	45	0	0
	point558	558	2400	97	45	2	45	0	0	1	45	0	0
	point559	559	2400	97	45	2	45	0	0	1	45	0	0
	point560	560	2400	97	45	2	45	0	0	1	45	0	0
	point561	561	2400	97	45	2	45	0	0	1	45	0	0
	point562	562	2400	97	45	2	45	0	0	1	45	0	0
	point563	563	2400	97	45	2	45	0	0	1	45	0	0
	point564	564	2400	97	45	2	45	0	0	1	45	0	0
	point565	565	2400	97	45	2	45	0	0	1	45	0	0
	point566	566	2400	97	45	2	45	0	0	1	45	0	0
	point567	567	2400	97	45	2	45	0	0	1	45	0	0
	point568	568	2400	97	45	2	45	0	0	1	45	0	0
	point569	569	2400	97	45	2	45	0	0	1	45	0	0
	point570	570	2400	97	45	2	45	0	0	1	45	0	0
	point571	571	2400	97	45	2	45	0	0	1	45	0	0
	point572	572	2400	97	45	2	45	0	0	1	45	0	0
	point573	573	2400	97	45	2	45	0	0	1	45	0	0
	point574	574	2400	97	45	2	45	0	0	1	45	0	0
	point575	575	2400	97	45	2	45	0	0	1	45	0	0
	point576	576	2400	97	45	2	45	0	0	1	45	0	0
	point577	577	2400	97	45	2	45	0	0	1	45	0	0

	point578	578	2400	97	45	2	45	0	0	1	45	0	0
	point579	579	2400	97	45	2	45	0	0	1	45	0	0
	point580	580	2400	97	45	2	45	0	0	1	45	0	0
	point581	581	2400	97	45	2	45	0	0	1	45	0	0
	point582	582	2400	97	45	2	45	0	0	1	45	0	0
	point583	583	2400	97	45	2	45	0	0	1	45	0	0
	point584	584	2400	97	45	2	45	0	0	1	45	0	0
	point585	585	2400	97	45	2	45	0	0	1	45	0	0
	point586	586	2400	97	45	2	45	0	0	1	45	0	0
	point587	587	2400	97	45	2	45	0	0	1	45	0	0
	point588	588	2400	97	45	2	45	0	0	1	45	0	0
	point589	589	2400	97	45	2	45	0	0	1	45	0	0
	point590	590	2400	97	45	2	45	0	0	1	45	0	0
	point591	591											
Proctor Valley Road - Proj Ent 3 to 4	point888	888	2390	97	45	2	45	0	0	1	45	0	0
	point533	533	2390	97	45	2	45	0	0	1	45	0	0
	point534	534	2390	97	45	2	45	0	0	1	45	0	0
	point535	535	2390	97	45	2	45	0	0	1	45	0	0
	point536	536	2390	97	45	2	45	0	0	1	45	0	0
	point537	537	2390	97	45	2	45	0	0	1	45	0	0
	point538	538	2390	97	45	2	45	0	0	1	45	0	0
	point539	539	2390	97	45	2	45	0	0	1	45	0	0
	point540	540	2390	97	45	2	45	0	0	1	45	0	0
	point541	541	2390	97	45	2	45	0	0	1	45	0	0
	point542	542	2390	97	45	2	45	0	0	1	45	0	0
	point543	543	2390	97	45	2	45	0	0	1	45	0	0
	point544	544	2390	97	45	2	45	0	0	1	45	0	0
	point545	545	2390	97	45	2	45	0	0	1	45	0	0
	point546	546	2390	97	45	2	45	0	0	1	45	0	0
	point547	547	2390	97	45	2	45	0	0	1	45	0	0
	point548	548	2390	97	45	2	45	0	0	1	45	0	0
	point549	549	2390	97	45	2	45	0	0	1	45	0	0
	point550	550											
Proctor Valley Road - Proj Ent 4 to 5	point889	889	1280	97	45	2	45	0	0	1	45	0	0
	point485	485	1280	97	45	2	45	0	0	1	45	0	0
	point486	486	1280	97	45	2	45	0	0	1	45	0	0

	point487	487	1280	97	45	2	45	0	0	1	45	0	0
	point488	488	1280	97	45	2	45	0	0	1	45	0	0
	point489	489	1280	97	45	2	45	0	0	1	45	0	0
	point490	490	1280	97	45	2	45	0	0	1	45	0	0
	point491	491	1280	97	45	2	45	0	0	1	45	0	0
	point492	492	1280	97	45	2	45	0	0	1	45	0	0
	point493	493	1280	97	45	2	45	0	0	1	45	0	0
	point494	494	1280	97	45	2	45	0	0	1	45	0	0
	point495	495	1280	97	45	2	45	0	0	1	45	0	0
	point496	496	1280	97	45	2	45	0	0	1	45	0	0
	point497	497	1280	97	45	2	45	0	0	1	45	0	0
	point498	498	1280	97	45	2	45	0	0	1	45	0	0
	point499	499	1280	97	45	2	45	0	0	1	45	0	0
	point500	500	1280	97	45	2	45	0	0	1	45	0	0
	point501	501	1280	97	45	2	45	0	0	1	45	0	0
	point502	502	1280	97	45	2	45	0	0	1	45	0	0
	point503	503	1280	97	45	2	45	0	0	1	45	0	0
	point504	504	1280	97	45	2	45	0	0	1	45	0	0
	point505	505	1280	97	45	2	45	0	0	1	45	0	0
	point506	506	1280	97	45	2	45	0	0	1	45	0	0
	point507	507	1280	97	45	2	45	0	0	1	45	0	0
	point508	508	1280	97	45	2	45	0	0	1	45	0	0
	point509	509	1280	97	45	2	45	0	0	1	45	0	0
	point510	510	1280	97	45	2	45	0	0	1	45	0	0
	point511	511	1280	97	45	2	45	0	0	1	45	0	0
	point512	512	1280	97	45	2	45	0	0	1	45	0	0
	point513	513	1280	97	45	2	45	0	0	1	45	0	0
	point514	514	1280	97	45	2	45	0	0	1	45	0	0
	point515	515	1280	97	45	2	45	0	0	1	45	0	0
	point516	516	1280	97	45	2	45	0	0	1	45	0	0
	point517	517	1280	97	45	2	45	0	0	1	45	0	0
	point518	518	1280	97	45	2	45	0	0	1	45	0	0
	point519	519	1280	97	45	2	45	0	0	1	45	0	0
	point520	520	1280	97	45	2	45	0	0	1	45	0	0
	point521	521	1280	97	45	2	45	0	0	1	45	0	0
	point522	522	1280	97	45	2	45	0	0	1	45	0	0

	point523	523	1280	97	45	2	45	0	0	1	45	0	0
	point524	524	1280	97	45	2	45	0	0	1	45	0	0
	point525	525	1280	97	45	2	45	0	0	1	45	0	0
	point526	526	1280	97	45	2	45	0	0	1	45	0	0
	point527	527	1280	97	45	2	45	0	0	1	45	0	0
	point528	528	1280	97	45	2	45	0	0	1	45	0	0
	point529	529	1280	97	45	2	45	0	0	1	45	0	0
	point530	530	1280	97	45	2	45	0	0	1	45	0	0
	point531	531	1280	97	45	2	45	0	0	1	45	0	0
	point532	532											
Proctor Valley Road - Proj Ent 5 to 6	point890	890	907	97	45	2	45	0	0	1	45	0	0
	point461	461	907	97	45	2	45	0	0	1	45	0	0
	point462	462	907	97	45	2	45	0	0	1	45	0	0
	point463	463	907	97	45	2	45	0	0	1	45	0	0
	point464	464	907	97	45	2	45	0	0	1	45	0	0
	point465	465	907	97	45	2	45	0	0	1	45	0	0
	point466	466	907	97	45	2	45	0	0	1	45	0	0
	point467	467	907	97	45	2	45	0	0	1	45	0	0
	point468	468	907	97	45	2	45	0	0	1	45	0	0
	point469	469	907	97	45	2	45	0	0	1	45	0	0
	point470	470	907	97	45	2	45	0	0	1	45	0	0
	point471	471	907	97	45	2	45	0	0	1	45	0	0
	point472	472	907	97	45	2	45	0	0	1	45	0	0
	point473	473	907	97	45	2	45	0	0	1	45	0	0
	point474	474	907	97	45	2	45	0	0	1	45	0	0
	point475	475	907	97	45	2	45	0	0	1	45	0	0
	point476	476	907	97	45	2	45	0	0	1	45	0	0
	point477	477	907	97	45	2	45	0	0	1	45	0	0
	point478	478	907	97	45	2	45	0	0	1	45	0	0
	point479	479	907	97	45	2	45	0	0	1	45	0	0
	point480	480	907	97	45	2	45	0	0	1	45	0	0
	point481	481	907	97	45	2	45	0	0	1	45	0	0
	point482	482	907	97	45	2	45	0	0	1	45	0	0
	point483	483	907	97	45	2	45	0	0	1	45	0	0
	point484	484											
Proctor Valley Road - West Fork	point891	891	0	0	0	0	0	0	0	0	0	0	0

	point763	763	0	0	0	0	0	0	0	0	0	0	0
	point764	764	0	0	0	0	0	0	0	0	0	0	0
	point765	765	0	0	0	0	0	0	0	0	0	0	0
	point766	766	0	0	0	0	0	0	0	0	0	0	0
	point767	767	0	0	0	0	0	0	0	0	0	0	0
	point768	768	0	0	0	0	0	0	0	0	0	0	0
	point769	769	0	0	0	0	0	0	0	0	0	0	0
	point770	770	0	0	0	0	0	0	0	0	0	0	0
	point771	771	0	0	0	0	0	0	0	0	0	0	0
	point772	772	0	0	0	0	0	0	0	0	0	0	0
	point773	773	0	0	0	0	0	0	0	0	0	0	0
	point774	774	0	0	0	0	0	0	0	0	0	0	0
	point775	775	0	0	0	0	0	0	0	0	0	0	0
	point776	776	0	0	0	0	0	0	0	0	0	0	0
	point777	777	0	0	0	0	0	0	0	0	0	0	0
	point778	778	0	0	0	0	0	0	0	0	0	0	0
	point779	779	0	0	0	0	0	0	0	0	0	0	0
	point780	780	0	0	0	0	0	0	0	0	0	0	0
	point781	781	0	0	0	0	0	0	0	0	0	0	0
	point782	782	0	0	0	0	0	0	0	0	0	0	0
	point783	783	0	0	0	0	0	0	0	0	0	0	0
	point784	784	0	0	0	0	0	0	0	0	0	0	0
	point785	785	0	0	0	0	0	0	0	0	0	0	0
	point786	786	0	0	0	0	0	0	0	0	0	0	0
	point787	787	0	0	0	0	0	0	0	0	0	0	0
	point788	788	0	0	0	0	0	0	0	0	0	0	0
	point789	789	0	0	0	0	0	0	0	0	0	0	0
	point790	790	0	0	0	0	0	0	0	0	0	0	0
	point791	791	0	0	0	0	0	0	0	0	0	0	0
	point792	792	0	0	0	0	0	0	0	0	0	0	0
	point793	793	0	0	0	0	0	0	0	0	0	0	0
	point794	794	0	0	0	0	0	0	0	0	0	0	0
	point795	795	0	0	0	0	0	0	0	0	0	0	0
	point796	796	0	0	0	0	0	0	0	0	0	0	0
	point797	797											
Proctor Valley Road - Ent 8 to Melody	point876	876	690	97	45	2	45	0	0	1	45	0	0

	point877	877	690	97	45	2	45	0	0	1	45	0	0
	point878	878	690	97	45	2	45	0	0	1	45	0	0
	point879	879	690	97	45	2	45	0	0	1	45	0	0
	point880	880	690	97	45	2	45	0	0	1	45	0	0
	point450	450	690	97	45	2	45	0	0	1	45	0	0
	point452	452	690	97	45	2	45	0	0	1	45	0	0
	point746	746	690	97	45	2	45	0	0	1	45	0	0
	point747	747	690	97	45	2	45	0	0	1	45	0	0
	point748	748	690	97	45	2	45	0	0	1	45	0	0
	point749	749	690	97	45	2	45	0	0	1	45	0	0
	point750	750	690	97	45	2	45	0	0	1	45	0	0
	point751	751	690	97	45	2	45	0	0	1	45	0	0
	point752	752	690	97	45	2	45	0	0	1	45	0	0
	point753	753	690	97	45	2	45	0	0	1	45	0	0
	point754	754	690	97	45	2	45	0	0	1	45	0	0
	point755	755	690	97	45	2	45	0	0	1	45	0	0
	point756	756	690	97	45	2	45	0	0	1	45	0	0
	point757	757	690	97	45	2	45	0	0	1	45	0	0
	point758	758	690	97	45	2	45	0	0	1	45	0	0
	point759	759	690	97	45	2	45	0	0	1	45	0	0
	point760	760	690	97	45	2	45	0	0	1	45	0	0
	point761	761	690	97	45	2	45	0	0	1	45	0	0
	point762	762											
Proctor Valley Road - Proj Ent 6 to 7	point892	892	867	97	45	2	45	0	0	1	45	0	0
	point798	798	867	97	45	2	45	0	0	1	45	0	0
	point799	799	867	97	45	2	45	0	0	1	45	0	0
	point800	800	867	97	45	2	45	0	0	1	45	0	0
	point801	801	867	97	45	2	45	0	0	1	45	0	0
	point802	802	867	97	45	2	45	0	0	1	45	0	0
	point803	803	867	97	45	2	45	0	0	1	45	0	0
	point804	804	867	97	45	2	45	0	0	1	45	0	0
	point805	805	867	97	45	2	45	0	0	1	45	0	0
	point806	806	867	97	45	2	45	0	0	1	45	0	0
	point807	807	867	97	45	2	45	0	0	1	45	0	0
	point808	808	867	97	45	2	45	0	0	1	45	0	0
	point809	809	867	97	45	2	45	0	0	1	45	0	0

	point810	810	867	97	45	2	45	0	0	1	45	0	0
	point811	811	867	97	45	2	45	0	0	1	45	0	0
	point812	812	867	97	45	2	45	0	0	1	45	0	0
	point813	813	867	97	45	2	45	0	0	1	45	0	0
	point814	814	867	97	45	2	45	0	0	1	45	0	0
	point815	815	867	97	45	2	45	0	0	1	45	0	0
	point816	816	867	97	45	2	45	0	0	1	45	0	0
	point817	817	867	97	45	2	45	0	0	1	45	0	0
	point818	818	867	97	45	2	45	0	0	1	45	0	0
	point819	819	867	97	45	2	45	0	0	1	45	0	0
	point820	820	867	97	45	2	45	0	0	1	45	0	0
	point821	821	867	97	45	2	45	0	0	1	45	0	0
	point822	822	867	97	45	2	45	0	0	1	45	0	0
	point823	823	867	97	45	2	45	0	0	1	45	0	0
	point824	824	867	97	45	2	45	0	0	1	45	0	0
	point825	825	867	97	45	2	45	0	0	1	45	0	0
	point826	826	867	97	45	2	45	0	0	1	45	0	0
	point827	827	867	97	45	2	45	0	0	1	45	0	0
	point828	828	867	97	45	2	45	0	0	1	45	0	0
	point829	829	867	97	45	2	45	0	0	1	45	0	0
	point830	830	867	97	45	2	45	0	0	1	45	0	0
	point831	831	867	97	45	2	45	0	0	1	45	0	0
	point832	832	867	97	45	2	45	0	0	1	45	0	0
	point833	833	867	97	45	2	45	0	0	1	45	0	0
	point834	834	867	97	45	2	45	0	0	1	45	0	0
	point835	835	867	97	45	2	45	0	0	1	45	0	0
	point836	836	867	97	45	2	45	0	0	1	45	0	0
	point837	837	867	97	45	2	45	0	0	1	45	0	0
	point838	838	867	97	45	2	45	0	0	1	45	0	0
	point839	839	867	97	45	2	45	0	0	1	45	0	0
	point840	840	867	97	45	2	45	0	0	1	45	0	0
	point841	841	867	97	45	2	45	0	0	1	45	0	0
	point842	842	867	97	45	2	45	0	0	1	45	0	0
	point843	843	867	97	45	2	45	0	0	1	45	0	0
	point453	453	867	97	45	2	45	0	0	1	45	0	0
	point454	454	867	97	45	2	45	0	0	1	45	0	0

	point455	455	867	97	45	2	45	0	0	1	45	0	0
	point456	456	867	97	45	2	45	0	0	1	45	0	0
	point457	457	867	97	45	2	45	0	0	1	45	0	0
	point458	458	867	97	45	2	45	0	0	1	45	0	0
	point459	459	867	97	45	2	45	0	0	1	45	0	0
	point460	460											
Proctor Valley Rd - Ent 8 to Melody	point894	894	690	97	45	2	45	0	0	1	45	0	0
	point865	865	690	97	45	2	45	0	0	1	45	0	0
	point866	866	690	97	45	2	45	0	0	1	45	0	0
	point867	867	690	97	45	2	45	0	0	1	45	0	0
	point868	868	690	97	45	2	45	0	0	1	45	0	0
	point869	869	690	97	45	2	45	0	0	1	45	0	0
	point870	870	690	97	45	2	45	0	0	1	45	0	0
	point871	871	690	97	45	2	45	0	0	1	45	0	0
	point872	872	690	97	45	2	45	0	0	1	45	0	0
	point873	873	690	97	45	2	45	0	0	1	45	0	0
	point874	874	690	97	45	2	45	0	0	1	45	0	0
	point875	875	690	97	45	2	45	0	0	1	45	0	0
	point846	846											

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M Greene

12 September 2017
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProj w Mit

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	1.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	1.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	1.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	1.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	1.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	1.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	1.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	1.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	1.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	1.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	1.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	1.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	1.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	1.0	8.0	
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	1.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	1.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	1.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	1.0	8.0	
R19 P-1	100	1	6,354,456.5	1,823,499.0	607.00	5.00	0.00	65	1.0	8.0	
R20 R-4 southwest side	101	1	6,354,558.0	1,823,693.1	611.50	5.00	0.00	60	1.0	8.0	Y
R21 R-4 west side	102	1	6,354,724.0	1,823,907.5	614.00	5.00	0.00	60	1.0	8.0	Y
R22 R-4 northwest side	103	1	6,354,895.0	1,824,260.4	617.50	5.00	0.00	60	1.0	8.0	Y

R23 R-5 Lot 10 southwest side	104	1	6,356,039.0	1,826,086.0	666.00	5.00	0.00	60	1.0	8.0	Y
R24 R-5 Lot 5 west side	105	1	6,356,020.5	1,826,361.2	660.40	5.00	0.00	60	1.0	8.0	Y
R25 R-5 PPP-1 northwest side	106	1	6,356,118.5	1,826,646.5	652.00	5.00	0.00	65	1.0	8.0	
R26 R-12 Park south side	107	1	6,355,945.5	1,827,033.9	655.00	5.00	0.00	65	1.0	8.0	
R27 S-1 School southwest side	108	1	6,356,228.5	1,826,927.2	654.00	5.00	0.00	65	1.0	8.0	
R28 R-12 Park north side	109	1	6,356,079.0	1,827,190.6	657.00	5.00	0.00	65	1.0	8.0	
R29 S-1 School west side	110	1	6,356,557.0	1,827,223.8	669.00	5.00	0.00	65	1.0	8.0	
R30 S-1 School northwest side	111	1	6,356,790.5	1,827,436.0	679.00	5.00	0.00	65	1.0	8.0	
R31 P-2 park	112	1	6,356,626.5	1,827,662.9	695.50	5.00	0.00	65	1.0	8.0	
R32 MU-1	113	1	6,357,022.5	1,827,640.1	696.00	5.00	0.00	65	1.0	8.0	
R33 R-10 Lot 6	114	1	6,358,835.5	1,829,554.6	754.00	5.00	0.00	60	1.0	8.0	Y
R34 R-10 Lot 4	115	1	6,358,922.0	1,829,724.8	761.00	5.00	0.00	60	1.0	8.0	Y
R35 R-10 Lot 2	116	1	6,358,998.0	1,829,870.5	768.50	5.00	0.00	60	1.0	8.0	Y
R36 R-11 PP-4	117	1	6,359,091.0	1,830,099.8	769.50	5.00	0.00	65	1.0	8.0	
R37 R-11 Lot 54	118	1	6,359,253.0	1,830,336.1	794.00	5.00	0.00	60	1.0	8.0	Y
R38 R-11 Lot 58	119	1	6,359,394.0	1,830,700.5	821.00	5.00	0.00	60	1.0	8.0	Y
R39 R-11 Lot 61	120	1	6,359,453.0	1,831,009.2	837.50	5.00	0.00	60	1.0	8.0	Y
R40 R-11 Lot 1	121	1	6,359,450.0	1,831,202.1	844.00	5.00	0.00	60	1.0	8.0	Y
R41 R-11 Lot 4	122	1	6,359,450.5	1,831,470.0	864.00	5.00	0.00	60	1.0	8.0	Y
R42 R-11 Lot 6	123	1	6,359,446.0	1,831,682.4	877.50	5.00	0.00	60	1.0	8.0	Y
R43 R-11 Lot 8	124	1	6,359,465.0	1,831,973.5	895.50	5.00	0.00	60	1.0	8.0	Y
R44 R-14 Lot 64	125	1	6,361,053.0	1,833,915.5	944.80	5.00	0.00	60	1.0	8.0	Y
R45 R-14 Lot 28	126	1	6,360,942.0	1,834,076.0	945.00	5.00	0.00	60	1.0	8.0	Y
R46 R-14 open space	127	1	6,361,003.5	1,834,478.8	962.00	5.00	0.00	65	1.0	8.0	
R47 R-14 Lot 27	128	1	6,360,911.0	1,834,870.4	918.80	5.00	0.00	60	1.0	8.0	Y
R48 R-14 Lot 2	129	1	6,360,871.5	1,835,014.0	915.80	5.00	0.00	60	1.0	8.0	Y
R49 R-14 Lot 1	130	1	6,360,814.5	1,834,957.2	909.70	5.00	0.00	60	1.0	8.0	Y
R50 R-14 P-4	131	1	6,360,680.5	1,835,123.4	900.00	5.00	0.00	60	1.0	8.0	
R51 R-13 Lot 1	132	1	6,360,505.0	1,835,675.9	900.00	5.00	0.00	60	0.0	8.0	Y
R52 R-13 Lot 9	133	1	6,360,673.5	1,835,730.4	898.00	5.00	0.00	60	0.0	8.0	Y
R53 R-13 Lot 8	134	1	6,360,565.5	1,835,794.2	909.70	5.00	0.00	60	0.0	8.0	Y
R54 R-13 Lot 10	135	1	6,360,785.0	1,835,859.2	903.80	5.00	0.00	60	0.0	8.0	Y
R55 R-13 Lot 11	136	1	6,361,005.5	1,836,025.0	907.00	5.00	0.00	60	0.0	8.0	Y
R56 R-13 Lot 12	138	1	6,361,179.0	1,836,059.1	906.00	5.00	0.00	66	10.0	8.0	Y

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INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProj w Mit

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 Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0		
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00					
Wall at R-4	W	0.00	99.99	0.00				0.00	point272	272	6,354,547.5	1,823,638.4	610.60	6.00	0.00	0	0		
									point273	273	6,354,545.5	1,823,656.1	610.70	6.00	0.00	0	0		
									point274	274	6,354,536.5	1,823,681.6	611.00	6.00	0.00	0	0		
									point275	275	6,354,537.5	1,823,689.5	611.00	6.00	0.00	0	0		
									point276	276	6,354,548.0	1,823,711.9	611.30	6.00	0.00	0	0		
									point277	277	6,354,566.5	1,823,731.9	611.50	6.00	0.00	0	0		
									point278	278	6,354,598.0	1,823,770.5	612.00	6.00	0.00	0	0		
									point279	279	6,354,661.5	1,823,848.0	613.00	6.00	0.00	0	0		
									point280	280	6,354,693.0	1,823,886.9	613.50	6.00	0.00	0	0		
									point281	281	6,354,722.0	1,823,927.8	614.00	6.00	0.00	0	0		
									point282	282	6,354,748.0	1,823,970.9	614.50	6.00	0.00	0	0		
									point283	283	6,354,783.0	1,824,038.8	615.20	6.00	0.00	0	0		
									point284	284	6,354,815.0	1,824,108.4	618.00	6.00	0.00	0	0		
									point286	286	6,354,889.0	1,824,276.9	618.00	6.00	0.00	0	0		
									point287	287	6,354,893.0	1,824,278.8	618.00	6.00	0.00	0	0		
									point288	288	6,354,981.0	1,824,235.8	618.00	6.00					
Wall at R-10	W	0.00	99.99	0.00				0.00	point327	327	6,358,736.0	1,829,468.2	746.00	6.00	0.00	0	0		
									point328	328	6,358,761.0	1,829,468.1	746.00	6.00	0.00	0	0		
									point329	329	6,358,802.5	1,829,449.6	746.00	6.00	0.00	0	0		
									point330	330	6,358,840.0	1,829,511.9	746.00	6.00	0.00	0	0		
									point331	331	6,358,834.0	1,829,530.5	754.00	6.00	0.00	0	0		
									point332	332	6,358,872.5	1,829,592.1	754.00	6.00	0.00	0	0		
									point333	333	6,358,868.5	1,829,597.1	756.50	6.00	0.00	0	0		
									point334	334	6,358,913.0	1,829,668.0	756.50	6.00	0.00	0	0		
									point335	335	6,358,905.0	1,829,674.1	761.00	6.00	0.00	0	0		
									point336	336	6,358,969.0	1,829,776.6	761.00	6.00	0.00	0	0		
									point337	337	6,358,960.5	1,829,783.2	766.00	6.00	0.00	0	0		
									point338	338	6,358,983.5	1,829,818.9	766.00	6.00	0.00	0	0		
									point339	339	6,358,985.0	1,829,830.9	768.50	6.00	0.00	0	0		
									point340	340	6,359,018.5	1,829,878.4	768.50	6.00	0.00	0	0		
									point341	341	6,359,032.0	1,829,900.9	768.50	6.00	0.00	0	0		
									point342	342	6,359,034.5	1,829,927.4	768.40	6.00	0.00	0	0		
									point343	343	6,359,030.5	1,829,940.6	768.50	6.00	0.00	0	0		
									point344	344	6,359,015.5	1,829,959.6	768.50	6.00	0.00	0	0		
									point345	345	6,358,977.5	1,829,986.5	768.50	6.00					
Wall at R-11 South	W	0.00	99.99	0.00				0.00	point346	346	6,359,190.0	1,830,179.9	780.00	6.00	0.00	0	0		
									point347	347	6,359,177.0	1,830,208.4	789.00	6.00	0.00	0	0		
									point348	348	6,359,202.0	1,830,216.4	789.00	6.00	0.00	0	0		
									point349	349	6,359,206.5	1,830,221.4	789.00	6.00	0.00	0	0		
									point350	350	6,359,232.5	1,830,259.6	789.00	6.00	0.00	0	0		
									point351	351	6,359,253.5	1,830,299.6	789.00	6.00	0.00	0	0		
									point352	352	6,359,254.5	1,830,312.4	794.00	6.00	0.00	0	0		
									point353	353	6,359,289.5	1,830,383.0	794.00	6.00	0.00	0	0		
									point354	354	6,359,295.5	1,830,395.8	800.00	6.00	0.00	0	0		
									point355	355	6,359,329.5	1,830,474.2	800.00	6.00	0.00	0	0		
									point356	356	6,359,335.5	1,830,489.2	806.50	6.00	0.00	0	0		
									point357	357	6,359,364.5	1,830,567.4	806.50	6.00	0.00	0	0		

									point358	358	6,359,370.5	1,830,582.9	814.00	6.00	0.00	0	0		
									point359	359	6,359,396.0	1,830,664.1	814.00	6.00	0.00	0	0		
									point360	360	6,359,400.0	1,830,678.4	821.00	6.00	0.00	0	0		
									point361	361	6,359,421.5	1,830,761.4	821.00	6.00	0.00	0	0		
									point362	362	6,359,425.0	1,830,775.9	828.00	6.00	0.00	0	0		
									point363	363	6,359,442.5	1,830,859.9	828.00	6.00	0.00	0	0		
									point364	364	6,359,445.0	1,830,873.6	834.50	6.00	0.00	0	0		
									point366	366	6,359,459.0	1,830,965.4	837.50	6.00	0.00	0	0		
									point367	367	6,359,468.0	1,831,049.8	837.50	6.00	0.00	0	0		
									point368	368	6,359,418.5	1,831,051.6	837.50	6.00					
Wall at R-5	W	0.00	99.99	0.00				0.00	point297	297	6,356,180.5	1,825,789.4	670.00	6.00	0.00	0	0		
									point298	298	6,356,111.0	1,825,785.0	670.00	6.00	0.00	0	0		
									point299	299	6,356,097.0	1,825,787.4	670.00	6.00	0.00	0	0		
									point300	300	6,356,085.5	1,825,796.2	670.00	6.00	0.00	0	0		
									point301	301	6,356,066.0	1,825,831.0	670.00	6.00	0.00	0	0		
									point302	302	6,356,049.5	1,825,870.1	670.00	6.00	0.00	0	0		
									point303	303	6,356,034.0	1,825,924.8	670.00	6.00	0.00	0	0		
									point304	304	6,356,025.0	1,826,002.6	670.00	6.00	0.00	0	0		
									point305	305	6,356,028.5	1,826,004.6	669.30	6.00	0.00	0	0		
									point306	306	6,356,029.5	1,826,053.6	669.30	6.00	0.00	0	0		
									point307	307	6,356,024.5	1,826,060.8	666.60	6.00	0.00	0	0		
									point308	308	6,356,025.0	1,826,110.8	666.60	6.00	0.00	0	0		
									point309	309	6,356,017.5	1,826,115.4	665.40	6.00	0.00	0	0		
									point311	311	6,356,019.0	1,826,168.9	664.20	6.00	0.00	0	0		
									point312	312	6,356,019.0	1,826,225.0	663.00	6.00	0.00	0	0		
									point313	313	6,356,017.0	1,826,277.9	661.70	6.00	0.00	0	0		
									point314	314	6,356,013.5	1,826,330.0	661.70	6.00	0.00	0	0		
									point315	315	6,356,009.0	1,826,335.2	660.40	6.00	0.00	0	0		
									point316	316	6,356,010.0	1,826,384.9	660.40	6.00	0.00	0	0		
									point317	317	6,356,005.5	1,826,390.1	659.10	6.00	0.00	0	0		
									point318	318	6,356,006.0	1,826,443.6	659.10	6.00	0.00	0	0		
									point319	319	6,356,002.0	1,826,448.1	657.70	6.00	0.00	0	0		
									point320	320	6,356,003.5	1,826,508.1	656.20	6.00	0.00	0	0		
									point321	321	6,356,007.5	1,826,565.6	654.70	6.00	0.00	0	0		
									point325	325	6,356,016.0	1,826,623.4	654.70	6.00	0.00	0	0		
									point326	326	6,356,098.5	1,826,618.0	652.00	6.00					
Wall at R-11 North	W	0.00	99.99	0.00				0.00	point369	369	6,359,369.0	1,831,167.2	842.00	6.00	0.00	0	0		
									point370	370	6,359,463.0	1,831,168.9	842.00	6.00	0.00	0	0		
									point371	371	6,359,461.5	1,831,259.9	847.50	6.00	0.00	0	0		
									point372	372	6,359,460.0	1,831,352.9	847.50	6.00	0.00	0	0		
									point373	373	6,359,462.5	1,831,451.0	862.50	6.00	0.00	0	0		
									point374	374	6,359,461.5	1,831,529.0	862.50	6.00	0.00	0	0		
									point375	375	6,359,461.0	1,831,545.5	869.50	6.00	0.00	0	0		
									point376	376	6,359,459.5	1,831,622.9	869.50	6.00	0.00	0	0		
									point377	377	6,359,462.0	1,831,643.9	877.50	6.00					
Wall at R-14 Lot 28	W	0.00	99.99	0.00				0.00	point378	378	6,360,984.5	1,834,014.5	939.80	6.00	0.00	0	0		
									point379	379	6,360,926.5	1,834,015.5	944.60	6.00	0.00	0	0		
									point380	380	6,360,933.5	1,834,167.4	945.40	6.00	0.00	0	0		
									point381	381	6,360,971.5	1,834,165.6	945.30	6.00	0.00	0	0		

									point382	382	6,360,990.5	1,834,163.9	945.30	6.00						
Wall at R-14 Lot 27	W	0.00	99.99	0.00				0.00	point385	385	6,360,967.5	1,834,761.1	916.00	6.00	0.00	0	0		
									point386	386	6,360,914.0	1,834,758.2	915.90	6.00	0.00	0	0		
									point387	387	6,360,912.5	1,834,778.6	919.10	6.00	0.00	0	0		
									point388	388	6,360,903.5	1,834,860.1	918.80	6.00	0.00	0	0		
									point389	389	6,360,900.5	1,834,880.4	918.80	6.00	0.00	0	0		
									point390	390	6,360,896.5	1,834,908.0	918.80	6.00	0.00	0	0		
									point391	391	6,360,904.0	1,834,920.6	918.60	6.00	0.00	0	0		
									point392	392	6,360,918.5	1,834,928.9	918.40	6.00	0.00	0	0		
									point393	393	6,360,954.0	1,834,936.8	918.40	6.00					
Wall at R-14 Lot 2	W	0.00	99.99	0.00				0.00	point394	394	6,360,923.0	1,834,977.8	915.80	6.00	0.00	0	0		
									point395	395	6,360,889.5	1,834,973.9	915.80	6.00	0.00	0	0		
									point396	396	6,360,880.0	1,834,974.5	915.80	6.00	0.00	0	0		
									point397	397	6,360,872.5	1,834,979.4	915.90	6.00	0.00	0	0		
									point398	398	6,360,868.0	1,834,987.2	915.80	6.00	0.00	0	0		
									point400	400	6,360,849.5	1,835,055.6	915.80	6.00	0.00	0	0		
									point401	401	6,360,825.0	1,835,128.6	915.80	6.00					
Wall at R-14 Lot 1	W	0.00	99.99	0.00				0.00	point402	402	6,360,777.0	1,834,907.5	909.80	6.00	0.00	0	0		
									point403	403	6,360,790.0	1,834,921.1	909.70	6.00	0.00	0	0		
									point404	404	6,360,807.5	1,834,928.5	909.00	6.00	0.00	0	0		
									point405	405	6,360,826.5	1,834,928.2	909.40	6.00	0.00	0	0		
									point406	406	6,360,843.5	1,834,920.6	909.90	6.00	0.00	0	0		
									point407	407	6,360,821.5	1,834,972.0	909.80	6.00	0.00	0	0		
									point408	408	6,360,797.0	1,835,021.6	909.80	6.00	0.00	0	0		
									point409	409	6,360,769.0	1,835,069.6	909.80	6.00					
Wall at R-13 South	W	0.00	99.99	0.00				0.00	point410	410	6,360,467.0	1,835,664.2	899.80	6.00	0.00	0	0		
									point411	411	6,360,483.0	1,835,663.0	899.80	6.00	0.00	0	0		
									point412	412	6,360,498.0	1,835,655.8	899.80	6.00	0.00	0	0		
									point413	413	6,360,502.0	1,835,652.5	899.70	6.00	0.00	0	0		
									point414	414	6,360,558.5	1,835,729.0	899.80	6.00					
Wall at R-13 North	W	0.00	99.99	0.00				0.00	point416	416	6,360,488.5	1,835,769.2	910.00	6.00	0.00	0	0		
									point417	417	6,360,560.0	1,835,769.0	909.80	6.00	0.00	0	0		
									point418	418	6,360,587.0	1,835,800.2	909.90	6.00	0.00	0	0		
									point419	419	6,360,627.5	1,835,841.4	909.80	6.00	0.00	0	0		
									point420	420	6,360,670.5	1,835,881.9	909.80	6.00	0.00	0	0		
									point423	423	6,360,716.5	1,835,921.4	911.80	6.00	0.00	0	0		
									point424	424	6,360,776.0	1,835,970.0	911.80	6.00	0.00	0	0		
									point425	425	6,360,794.5	1,835,989.8	911.70	6.00					
Wall at R-13 North (lots 9-12)	W	0.00	99.99	0.00				0.00	point426	426	6,360,853.0	1,835,759.0	903.60	6.00	0.00	0	0		
									point427	427	6,360,600.0	1,835,670.2	896.80	6.00	0.00	0	0		
									point428	428	6,360,675.5	1,835,757.4	897.90	6.00	0.00	0	0		
									point429	429	6,360,721.0	1,835,815.4	900.00	6.00	0.00	0	0		
									point430	430	6,360,752.5	1,835,848.2	903.80	6.00	0.00	0	0		
									point431	431	6,360,778.0	1,835,871.0	903.80	6.00	0.00	0	0		
									point432	432	6,360,858.5	1,835,933.0	906.90	6.00	0.00	0	0		
									point433	433	6,360,879.5	1,835,951.2	906.90	6.00	0.00	0	0		
									point434	434	6,360,917.0	1,835,984.4	906.90	6.00	0.00	0	0		
									point435	435	6,360,973.0	1,836,021.5	906.90	6.00	0.00	0	0		
									point436	436	6,360,999.5	1,836,034.8	906.90	6.00	0.00	0	0		

									point437	437	6,361,075.5	1,836,062.0	906.90	6.00	0.00	0	0		
									point438	438	6,361,134.0	1,836,073.5	905.90	6.00	0.00	0	0		
									point440	440	6,361,220.5	1,836,075.6	902.40	6.00	0.00	0	0		
									point441	441	6,361,279.0	1,835,959.5	902.00	6.00					

Dudek			12 September 2017	
M Greene			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	8207			
RUN:	OtyRnchV14PrctrVlly2030wProj w Mit			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line1	1	6,354,564.5	1,823,396.8	610.80
	3	6,354,548.5	1,823,432.6	610.00
	4	6,354,543.5	1,823,442.5	609.80
	5	6,354,537.0	1,823,451.4	609.60
	6	6,354,515.0	1,823,478.1	608.90
	7	6,354,486.0	1,823,511.4	608.00
	8	6,354,427.5	1,823,574.0	606.40
	9	6,354,424.5	1,823,575.9	606.40
	10	6,354,421.5	1,823,576.8	606.30
	11	6,354,418.5	1,823,576.6	606.30
	12	6,354,415.5	1,823,575.4	606.30
	13	6,354,413.5	1,823,573.1	606.40
	14	6,354,412.0	1,823,570.4	606.50
	15	6,354,411.5	1,823,567.2	606.60
	16	6,354,412.5	1,823,564.1	606.60
	17	6,354,421.0	1,823,544.8	607.10
	18	6,354,421.0	1,823,513.8	608.00
	19	6,354,423.5	1,823,421.2	610.00
	2	6,354,420.0	1,823,349.5	611.40
Terrain Line3	68	6,356,143.5	1,826,709.6	650.00
	70	6,356,049.5	1,826,741.2	649.90
	71	6,356,031.5	1,826,731.5	649.80
Terrain Line4	101	6,356,906.0	1,827,372.1	680.60
	103	6,356,900.5	1,827,382.2	680.70

	104	6,356,896.0	1,827,395.8	680.90
	105	6,356,894.0	1,827,409.9	681.00
	106	6,356,894.0	1,827,424.1	681.20
	107	6,356,895.0	1,827,429.8	681.20
	108	6,356,896.5	1,827,437.9	681.30
	109	6,356,896.5	1,827,440.2	681.40
	110	6,356,894.0	1,827,445.1	681.40
	111	6,356,847.0	1,827,504.2	681.40
	112	6,356,836.0	1,827,508.4	681.20
	113	6,356,832.5	1,827,510.6	681.20
	114	6,356,826.0	1,827,516.6	681.00
	115	6,356,815.5	1,827,525.6	680.80
	116	6,356,807.0	1,827,531.5	680.60
	117	6,356,802.0	1,827,533.4	680.50
	118	6,356,795.0	1,827,533.6	680.40
	119	6,356,788.5	1,827,531.5	680.30
	120	6,356,784.0	1,827,528.2	680.20
	121	6,356,773.0	1,827,517.8	680.00
	122	6,356,757.0	1,827,502.6	679.30
	123	6,356,746.5	1,827,493.4	678.90
	124	6,356,729.0	1,827,479.5	678.30
	125	6,356,711.0	1,827,466.1	677.60
	126	6,356,675.0	1,827,441.4	676.30
	127	6,356,639.5	1,827,416.1	675.00
	128	6,356,596.5	1,827,382.9	673.40
	129	6,356,509.5	1,827,312.8	670.00
	130	6,356,380.5	1,827,208.6	665.00
	131	6,356,256.0	1,827,108.2	660.80
	132	6,356,232.0	1,827,090.5	660.00
	133	6,356,183.0	1,827,034.8	657.80
	134	6,356,129.0	1,826,958.0	655.00
	135	6,356,092.5	1,826,900.8	655.20
	136	6,356,085.0	1,826,884.5	655.00
	137	6,356,093.0	1,826,867.0	653.90
	102	6,356,115.0	1,826,854.8	653.70
Terrain Line5	138	6,355,957.0	1,826,917.9	654.70

	140	6,355,985.0	1,826,924.1	654.80
	141	6,356,017.0	1,826,937.2	655.10
	142	6,356,037.5	1,826,968.8	655.40
	143	6,356,087.0	1,827,045.1	656.00
	144	6,356,134.5	1,827,106.0	658.00
	145	6,356,190.0	1,827,176.5	660.50
	139	6,356,238.5	1,827,223.4	665.00
Terrain Line6	146	6,356,522.5	1,827,491.2	683.10
	148	6,356,542.0	1,827,507.1	684.00
	149	6,356,585.0	1,827,541.5	690.00
	150	6,356,594.0	1,827,550.4	694.10
	151	6,356,689.0	1,827,625.8	696.00
	152	6,356,717.5	1,827,648.9	696.60
	153	6,356,724.0	1,827,656.5	696.80
	154	6,356,725.5	1,827,665.8	697.00
	155	6,356,738.5	1,827,694.5	697.60
	156	6,356,753.0	1,827,713.5	698.00
	157	6,356,768.5	1,827,723.2	698.20
	158	6,356,790.0	1,827,733.1	698.40
	159	6,356,822.0	1,827,735.8	698.60
	160	6,356,847.5	1,827,732.5	698.90
	161	6,356,938.5	1,827,798.4	699.80
	162	6,356,947.5	1,827,793.2	702.00
	147	6,357,200.0	1,827,986.8	702.00
Terrain Line7	163	6,357,100.5	1,827,800.8	697.00
	165	6,356,920.5	1,827,667.9	696.60
	166	6,356,910.5	1,827,654.1	696.60
	167	6,356,901.0	1,827,629.8	696.50
	168	6,356,902.5	1,827,608.1	696.50
	169	6,356,905.5	1,827,604.0	695.00
	170	6,356,906.0	1,827,602.6	695.00
	171	6,356,905.5	1,827,601.2	695.00
	164	6,356,898.5	1,827,594.0	694.60
Terrain Line10	239	6,359,479.5	1,831,999.5	895.50
	241	6,359,475.0	1,831,916.2	895.50
	242	6,359,473.5	1,831,907.2	891.50

	243	6,359,467.0	1,831,828.2	891.50
	244	6,359,467.0	1,831,809.4	884.50
	245	6,359,462.5	1,831,734.2	884.50
	246	6,359,457.5	1,831,718.8	877.50
	247	6,359,459.0	1,831,683.9	877.50
Terrain Line11	258	6,361,189.5	1,833,985.5	944.90
	260	6,361,032.0	1,833,971.0	944.90
	261	6,361,026.5	1,833,968.6	944.90
	262	6,361,023.5	1,833,963.6	944.80
	263	6,361,023.5	1,833,957.6	944.80
	264	6,361,049.0	1,833,892.4	944.80
	265	6,361,055.5	1,833,880.2	944.80
	266	6,361,064.0	1,833,869.5	944.80
	267	6,361,074.0	1,833,860.4	944.80
	268	6,361,085.5	1,833,853.0	944.80
	269	6,361,098.0	1,833,847.9	944.80
	270	6,361,113.5	1,833,844.4	944.80
	271	6,361,129.0	1,833,843.6	944.80
	272	6,361,144.5	1,833,845.4	944.80
	273	6,361,160.0	1,833,849.6	944.80
	259	6,361,174.0	1,833,856.4	944.80
Terrain Line13	281	6,361,015.0	1,834,191.0	958.40
	283	6,360,999.0	1,834,193.1	957.60
	284	6,360,983.0	1,834,194.8	955.90
	285	6,360,967.5	1,834,196.0	954.80
	286	6,360,951.5	1,834,196.9	953.20
	287	6,360,935.5	1,834,197.4	953.00
	288	6,360,942.0	1,834,226.9	955.20
	289	6,360,948.0	1,834,256.5	956.90
	290	6,360,953.5	1,834,286.1	958.40
	291	6,360,958.0	1,834,316.0	960.00
	292	6,360,962.0	1,834,347.5	962.10
	293	6,360,965.0	1,834,379.0	963.30
	294	6,360,967.0	1,834,410.5	964.00
	295	6,360,969.0	1,834,442.1	964.20
	296	6,360,970.0	1,834,469.9	963.10

	297	6,360,969.0	1,834,497.6	961.00
	298	6,360,965.0	1,834,525.1	956.00
	299	6,360,958.5	1,834,552.1	950.30
Terrain Line13-2	492	6,360,958.5	1,834,552.1	950.30
	300	6,360,913.0	1,834,758.2	915.90
Terrain Line10-2	494	6,359,460.0	1,831,683.9	877.50
	248	6,359,463.0	1,831,643.9	877.50
Terrain Line9-2	496	6,359,180.5	1,830,207.6	789.00
	227	6,359,200.0	1,830,179.1	780.00
	228	6,359,191.0	1,830,161.2	771.00
	229	6,359,160.0	1,830,089.6	770.00
	230	6,359,151.0	1,830,071.2	769.70
	231	6,359,148.0	1,830,050.0	769.30
	232	6,359,138.5	1,830,034.4	769.00
	233	6,359,122.5	1,830,023.9	768.80
	234	6,359,091.5	1,830,015.8	768.40
	235	6,359,041.5	1,830,028.1	768.20
	236	6,359,000.0	1,830,046.5	768.70
	237	6,358,984.5	1,830,068.4	769.00
	238	6,358,978.5	1,830,077.9	769.20
	203	6,358,971.5	1,830,084.4	769.40
Terrain Line3-2	497	6,356,031.5	1,826,731.5	649.80
	72	6,356,015.5	1,826,623.4	654.70

Dudek
M Greene

12 September 2017
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: OtyRnchV14PrctrVlly2030wProj w Mit
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R4 MtMglRd - Lane Ave	9	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R19 P-1	100	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R20 R-4 southwest side	101	1	0.0	58.1	60	58.1	1	----	58.1	0.0	8	-8.0
R21 R-4 west side	102	1	0.0	58.4	60	58.4	1	----	58.4	0.0	8	-8.0
R22 R-4 northwest side	103	1	0.0	58.1	60	58.1	1	----	58.1	0.0	8	-8.0
R23 R-5 Lot 10 southwest side	104	1	0.0	55.2	60	55.2	1	----	55.2	0.0	8	-8.0
R24 R-5 Lot 5 west side	105	1	0.0	58.2	60	58.2	1	----	58.2	0.0	8	-8.0

R25 R-5 PPP-1 northwest side	106	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R26 R-12 Park south side	107	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R27 S-1 School southwest side	108	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R28 R-12 Park north side	109	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R29 S-1 School west side	110	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R30 S-1 School northwest side	111	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R31 P-2 park	112	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R32 MU-1	113	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R33 R-10 Lot 6	114	1	0.0	58.4	60	58.4	1	----	58.4	0.0	8	-8.0
R34 R-10 Lot 4	115	1	0.0	57.3	60	57.3	1	----	57.3	0.0	8	-8.0
R35 R-10 Lot 2	116	1	0.0	56.9	60	56.9	1	----	56.9	0.0	8	-8.0
R36 R-11 PP-4	117	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R37 R-11 Lot 54	118	1	0.0	56.3	60	56.3	1	----	56.3	0.0	8	-8.0
R38 R-11 Lot 58	119	1	0.0	58.7	60	58.7	1	----	58.7	0.0	8	-8.0
R39 R-11 Lot 61	120	1	0.0	57.2	60	57.2	1	----	57.2	0.0	8	-8.0
R40 R-11 Lot 1	121	1	0.0	55.8	60	55.8	1	----	55.8	0.0	8	-8.0
R41 R-11 Lot 4	122	1	0.0	58.1	60	58.1	1	----	58.1	0.0	8	-8.0
R42 R-11 Lot 6	123	1	0.0	58.8	60	58.8	1	----	58.8	0.0	8	-8.0
R43 R-11 Lot 8	124	1	0.0	52.5	60	52.5	1	----	52.5	0.0	8	-8.0
R44 R-14 Lot 64	125	1	0.0	59.0	60	59.0	1	----	59.0	0.0	8	-8.0
R45 R-14 Lot 28	126	1	0.0	54.4	60	54.4	1	----	54.4	0.0	8	-8.0
R46 R-14 open space	127	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R47 R-14 Lot 27	128	1	0.0	57.7	60	57.7	1	----	57.7	0.0	8	-8.0
R48 R-14 Lot 2	129	1	0.0	55.0	60	55.0	1	----	55.0	0.0	8	-8.0
R49 R-14 Lot 1	130	1	0.0	57.7	60	57.7	1	----	57.7	0.0	8	-8.0
R50 R-14 P-4	131	1	0.0	0.0	60	0.0	1	inactive	0.0	0.0	8	0.0
R51 R-13 Lot 1	132	1	0.0	54.7	60	54.7	0	----	54.7	0.0	8	-8.0
R52 R-13 Lot 9	133	1	0.0	54.4	60	54.4	0	----	54.4	0.0	8	-8.0
R53 R-13 Lot 8	134	1	0.0	52.2	60	52.2	0	----	52.2	0.0	8	-8.0
R54 R-13 Lot 10	135	1	0.0	55.0	60	55.0	0	----	55.0	0.0	8	-8.0
R55 R-13 Lot 11	136	1	0.0	56.6	60	56.6	0	----	56.6	0.0	8	-8.0
R56 R-13 Lot 12	138	1	0.0	59.6	66	59.6	10	----	59.6	0.0	8	-8.0

Dwelling Units	**# DUs**	**Noise Reduction**		
		Min	**Avg**	**Max**
		dB	**dB**	**dB**
All Selected	56	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**12 September 2017**						
M Greene					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**8207**						**a State highway agency substantiates the use**				
RUN:	**OtyRchPctrVly2030wPjwMt2ndFlr0817**						**of a different type with the approval of FHWA**				
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	%		
Melody Road - Proctor Vlly Rd - SR-94	25.0	point379	379	6,368,196.0	1,836,340.0	1,030.00				Average	
		point380	380	6,371,196.0	1,836,340.0	950.00					
PrctrVllyRd - Melody Rd-SchleeCyn Rd	45.0	point381	381	6,368,180.0	1,836,341.0	1,040.00				Average	
		point382	382	6,368,180.0	1,838,940.0	1,044.00					
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	25.0	point383	383	6,368,180.0	1,839,000.0	1,044.00				Average	
		point384	384	6,371,263.5	1,839,000.0	1,040.00					
Proctor Valley Rd-HuntePkyw-Northwd	100.0	point385	385	6,348,800.5	1,820,600.0	630.00				Average	
		point387	387	6,346,800.5	1,820,600.0	700.00				Average	
		point445	445	6,346,300.5	1,820,600.0	687.50				Average	
		point444	444	6,345,800.5	1,820,600.0	675.00				Average	
		point386	386	6,344,801.5	1,820,600.0	650.00					
Proctor Valley Rd-Lane Ave-HuntePkwy	100.0	point388	388	6,344,800.0	1,820,600.0	650.00				Average	
		point434	434	6,344,050.0	1,820,600.0	646.00				Average	
		point389	389	6,343,300.0	1,820,600.0	642.00					
Proctor Valley Rd-MtMglRd - Lane Ave	100.0	point390	390	6,343,295.0	1,820,600.0	642.00				Average	
		point392	392	6,342,130.0	1,820,600.0	670.00				Average	
		point430	430	6,340,965.0	1,820,600.0	629.00				Average	
		point431	431	6,340,382.5	1,820,600.0	608.50				Average	
		point391	391	6,339,800.0	1,820,600.0	588.00					
SnMglRnch/Mt MglRd-SR125-PrctrVlly	70.0	point394	394	6,339,800.0	1,820,601.0	588.00				Average	
		point428	428	6,339,800.0	1,821,450.0	611.50				Average	
		point395	395	6,339,800.0	1,822,300.0	635.00					
SanMglRnchRd-PrctrVllyRd - SR-125	75.0	point396	396	6,339,799.0	1,822,295.0	635.00				Average	
		point423	423	6,338,800.0	1,822,294.5	584.75				Average	
		point424	424	6,337,800.0	1,822,294.0	534.50				Average	

		point426	426	6,336,466.5	1,822,293.2	467.50				Average	
		point397	397	6,335,800.0	1,822,292.9	434.00					
Proctor Valley Rd-SR125 - MtMglRd	100.0	point398	398	6,339,800.0	1,820,595.0	588.00				Average	
		point429	429	6,339,000.0	1,820,595.0	552.00				Average	
		point399	399	6,338,200.0	1,820,595.0	516.00					
Northwoods Dr - ProctrVlly-BlueRdgDr	25.0	point400	400	6,348,800.5	1,820,595.0	630.00				Average	
		point446	446	6,348,800.5	1,820,171.2	648.75				Average	
		point447	447	6,348,800.5	1,819,747.5	667.50				Average	
		point448	448	6,348,800.5	1,819,323.8	686.25				Average	
		point401	401	6,348,800.5	1,818,900.0	705.00					
Hunte Pkwy-PrctrVllyRd - OtayLksRd	75.0	point402	402	6,344,800.0	1,820,595.0	650.00				Average	
		point437	437	6,344,800.0	1,820,182.5	630.00				Average	
		point435	435	6,344,800.0	1,819,770.0	610.00				Average	
		point436	436	6,344,800.0	1,819,357.5	590.00				Average	
		point406	406	6,344,800.0	1,818,945.0	570.00				Average	
		point403	403	6,344,800.0	1,818,395.0	619.00					
Hunte Pkwy-OtayLksRd-OlmpcPkwy	85.0	point407	407	6,344,800.0	1,818,395.0	619.00				Average	
		point438	438	6,344,800.0	1,817,682.5	626.75				Average	
		point439	439	6,344,800.0	1,816,970.0	634.50				Average	
		point440	440	6,344,800.0	1,816,257.5	642.25				Average	
		point409	409	6,344,800.0	1,815,545.0	650.00				Average	
		point408	408	6,344,800.0	1,812,695.0	525.00					
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	105.0	point410	410	6,344,800.0	1,812,690.0	525.00				Average	
		point412	412	6,344,800.0	1,810,821.2	460.00				Average	
		point441	441	6,344,800.0	1,809,416.0	485.00				Average	
		point442	442	6,344,800.0	1,808,010.6	510.00				Average	
		point443	443	6,344,800.0	1,806,605.2	535.00				Average	
		point411	411	6,344,800.0	1,805,200.0	560.00					
Lane Ave PrctrVllyRd-OtayLksRd	75.0	point415	415	6,343,300.0	1,820,600.0	642.00				Average	
		point433	433	6,343,300.0	1,819,775.0	632.75				Average	
		point432	432	6,343,300.0	1,818,950.0	623.50				Average	
		point416	416	6,343,300.0	1,817,300.0	605.00					
PrctrVllyRd - MaxfieldRd to SR-94	30.0	point421	421	6,371,265.0	1,839,010.0	1,040.00				Average	
		point449	449	6,371,265.0	1,839,505.0	1,020.00				Average	
		point422	422	6,371,265.0	1,840,000.0	1,000.00					
Proctor Valley Rd - Ent 7 to Ent 8	40.0	point845	845	6,360,531.5	1,833,317.4	906.00				Average	
		point847	847	6,360,575.5	1,833,349.5	907.90				Average	
		point848	848	6,360,599.5	1,833,371.0	909.90				Average	
		point849	849	6,360,619.5	1,833,396.1	911.90				Average	

		point850	850	6,360,635.5	1,833,424.1	913.80				Average	
		point851	851	6,360,691.0	1,833,542.9	922.50				Average	
		point852	852	6,360,706.0	1,833,570.1	924.20				Average	
		point853	853	6,360,725.0	1,833,594.6	924.70				Average	
		point854	854	6,360,747.5	1,833,615.9	925.20				Average	
		point855	855	6,360,829.5	1,833,682.5	927.00				Average	
		point856	856	6,360,855.5	1,833,707.2	927.50				Average	
		point857	857	6,360,876.0	1,833,736.1	928.20				Average	
		point858	858	6,360,891.5	1,833,768.2	929.40				Average	
		point859	859	6,360,896.5	1,833,806.6	930.60				Average	
		point860	860	6,360,896.5	1,833,838.9	931.80				Average	
		point861	861	6,360,896.5	1,834,681.8	923.90				Average	
		point862	862	6,360,893.5	1,834,739.8	919.80				Average	
		point863	863	6,360,885.0	1,834,798.1	915.70				Average	
		point864	864	6,360,878.0	1,834,855.4	911.70				Average	
		point893	893	6,360,868.5	1,834,918.4	908.80					
Proctor Valley Road - Ent 9 to Melody	25.0	point881	881	6,368,149.0	1,836,340.0	960.00				Average	
		point882	882	6,366,145.0	1,836,340.0	968.00				Average	
		point883	883	6,362,537.5	1,836,340.0	910.00					
Proctor Valley Road - Proj Ent 1 to Chula	60.0	point884	884	6,354,425.0	1,823,684.4	591.80				Average	
		point602	602	6,354,319.0	1,823,650.4	591.10				Average	
		point603	603	6,354,213.0	1,823,616.2	591.00				Average	
		point604	604	6,354,107.0	1,823,582.2	589.90				Average	
		point605	605	6,354,001.0	1,823,548.1	588.80				Average	
		point606	606	6,353,895.0	1,823,514.1	587.60				Average	
		point607	607	6,353,846.5	1,823,497.4	587.10				Average	
		point608	608	6,353,799.0	1,823,478.8	586.60				Average	
		point609	609	6,353,752.5	1,823,458.0	586.10				Average	
		point610	610	6,353,706.5	1,823,435.4	585.60				Average	
		point611	611	6,353,662.0	1,823,410.8	585.10				Average	
		point612	612	6,353,618.0	1,823,384.4	584.60				Average	
		point613	613	6,353,575.5	1,823,356.0	584.10				Average	
		point614	614	6,353,534.5	1,823,326.0	583.60				Average	
		point615	615	6,353,494.5	1,823,294.1	583.10				Average	
		point616	616	6,353,456.0	1,823,260.6	582.50				Average	
		point617	617	6,353,419.0	1,823,225.6	582.00				Average	
		point618	618	6,353,383.5	1,823,188.9	581.50				Average	
		point619	619	6,353,349.5	1,823,150.9	581.00				Average	
		point620	620	6,353,317.0	1,823,111.2	580.50				Average	

		point621	621	6,353,286.5	1,823,070.4	580.00				Average	
		point622	622	6,353,257.5	1,823,028.2	579.50				Average	
		point623	623	6,353,230.5	1,822,985.0	579.00				Average	
		point624	624	6,353,139.5	1,822,831.8	577.20				Average	
		point625	625	6,353,113.0	1,822,789.2	576.70				Average	
		point626	626	6,353,084.5	1,822,747.9	576.30				Average	
		point627	627	6,353,055.0	1,822,707.8	576.60				Average	
		point628	628	6,353,023.0	1,822,669.0	577.10				Average	
		point629	629	6,352,990.0	1,822,631.5	577.60				Average	
		point630	630	6,352,955.5	1,822,595.4	578.10				Average	
		point631	631	6,352,919.0	1,822,560.9	578.60				Average	
		point632	632	6,352,881.5	1,822,527.8	579.10				Average	
		point633	633	6,352,842.5	1,822,496.2	579.60				Average	
		point634	634	6,352,802.5	1,822,466.5	580.10				Average	
		point635	635	6,352,761.0	1,822,438.4	580.60				Average	
		point636	636	6,352,718.5	1,822,412.0	581.10				Average	
		point637	637	6,352,675.0	1,822,387.5	580.60				Average	
		point638	638	6,352,630.5	1,822,364.8	581.00				Average	
		point639	639	6,352,585.0	1,822,343.9	581.50				Average	
		point640	640	6,352,538.5	1,822,325.0	582.00				Average	
		point641	641	6,352,443.5	1,822,288.4	583.10				Average	
		point642	642	6,352,397.5	1,822,269.0	583.30				Average	
		point643	643	6,352,352.5	1,822,247.0	583.20				Average	
		point644	644	6,352,309.0	1,822,222.2	582.70				Average	
		point645	645	6,352,267.5	1,822,194.9	582.20				Average	
		point646	646	6,352,227.0	1,822,165.1	581.70				Average	
		point647	647	6,352,189.0	1,822,133.0	581.20				Average	
		point648	648	6,352,153.0	1,822,098.5	580.70				Average	
		point649	649	6,352,119.0	1,822,062.0	580.20				Average	
		point650	650	6,352,087.0	1,822,023.5	579.70				Average	
		point651	651	6,352,057.5	1,821,983.0	579.20				Average	
		point652	652	6,352,031.0	1,821,941.0	578.70				Average	
		point653	653	6,352,006.5	1,821,897.4	578.20				Average	
		point654	654	6,351,985.0	1,821,852.2	577.70				Average	
		point655	655	6,351,966.0	1,821,806.0	577.20				Average	
		point656	656	6,351,950.0	1,821,758.8	576.70				Average	
		point657	657	6,351,919.0	1,821,657.0	575.60				Average	
		point658	658	6,351,888.0	1,821,555.1	574.50				Average	
		point659	659	6,351,857.0	1,821,453.4	573.50				Average	

		point660	660	6,351,826.0	1,821,351.6	572.40				Average	
		point661	661	6,351,795.0	1,821,249.9	571.30				Average	
		point662	662	6,351,764.0	1,821,148.0	570.30				Average	
		point663	663	6,351,752.0	1,821,111.1	569.90				Average	
		point664	664	6,351,738.5	1,821,074.8	569.50				Average	
		point665	665	6,351,704.0	1,820,986.4	568.60				Average	
		point666	666	6,351,669.5	1,820,898.0	568.40				Average	
		point667	667	6,351,635.0	1,820,809.8	569.40				Average	
		point668	668	6,351,600.0	1,820,721.4	570.40				Average	
		point669	669	6,351,565.5	1,820,633.0	571.30				Average	
		point670	670	6,351,531.0	1,820,544.6	572.20				Average	
		point671	671	6,351,496.5	1,820,456.4	572.80				Average	
		point672	672	6,351,461.5	1,820,368.0	571.90				Average	
		point673	673	6,351,442.5	1,820,323.2	571.40				Average	
		point674	674	6,351,420.0	1,820,279.9	570.90				Average	
		point675	675	6,351,394.5	1,820,238.2	570.40				Average	
		point676	676	6,351,366.5	1,820,198.5	569.90				Average	
		point677	677	6,351,335.5	1,820,160.8	569.40				Average	
		point678	678	6,351,302.0	1,820,125.4	568.90				Average	
		point679	679	6,351,266.0	1,820,092.2	568.40				Average	
		point680	680	6,351,228.0	1,820,061.8	567.90				Average	
		point681	681	6,351,188.0	1,820,034.0	567.50				Average	
		point682	682	6,351,146.0	1,820,009.1	567.00				Average	
		point683	683	6,351,102.5	1,819,987.2	566.50				Average	
		point684	684	6,351,057.5	1,819,968.5	566.00				Average	
		point685	685	6,351,011.0	1,819,952.9	565.50				Average	
		point686	686	6,350,964.0	1,819,940.5	565.00				Average	
		point687	687	6,350,916.0	1,819,931.4	564.50				Average	
		point688	688	6,350,867.5	1,819,925.6	564.00				Average	
		point689	689	6,350,819.0	1,819,923.4	563.60				Average	
		point690	690	6,350,770.0	1,819,924.4	563.10				Average	
		point691	691	6,350,721.5	1,819,928.9	562.60				Average	
		point692	692	6,350,625.0	1,819,941.2	561.70				Average	
		point693	693	6,350,528.5	1,819,953.5	561.60				Average	
		point694	694	6,350,432.0	1,819,965.8	562.60				Average	
		point695	695	6,350,335.5	1,819,978.1	565.10				Average	
		point696	696	6,350,239.0	1,819,990.4	568.80				Average	
		point697	697	6,350,142.5	1,820,002.6	572.20				Average	
		point698	698	6,350,045.5	1,820,015.0	575.60				Average	

		point699	699	6,349,996.5	1,820,022.0	577.30				Average	
		point700	700	6,349,948.0	1,820,030.8	579.00				Average	
		point701	701	6,349,899.5	1,820,041.0	580.80				Average	
		point702	702	6,349,851.5	1,820,052.9	582.50				Average	
		point703	703	6,349,804.0	1,820,066.2	584.20				Average	
		point704	704	6,349,756.5	1,820,081.4	585.90				Average	
		point705	705	6,349,710.0	1,820,097.9	587.70				Average	
		point706	706	6,349,664.0	1,820,116.0	589.40				Average	
		point707	707	6,349,618.5	1,820,135.6	591.10				Average	
		point708	708	6,349,573.5	1,820,156.6	592.80				Average	
		point709	709	6,349,529.5	1,820,179.2	594.60				Average	
		point710	710	6,349,486.5	1,820,203.2	596.30				Average	
		point711	711	6,349,389.0	1,820,259.2	600.20				Average	
		point712	712	6,349,292.0	1,820,315.2	604.10				Average	
		point713	713	6,349,194.5	1,820,371.4	608.00				Average	
		point714	714	6,349,097.5	1,820,427.4	611.90				Average	
		point715	715	6,349,000.0	1,820,483.4	615.90				Average	
		point716	716	6,348,903.0	1,820,539.5	619.80				Average	
		point717	717	6,348,819.5	1,820,587.5	624.60					
Proctor Valley Road - Proj Ent 1 to 2	60.0	point886	886	6,354,855.5	1,824,377.8	603.80				Average	
		point592	592	6,354,808.0	1,824,274.2	602.10				Average	
		point593	593	6,354,761.0	1,824,170.8	600.40				Average	
		point594	594	6,354,713.5	1,824,067.2	598.60				Average	
		point595	595	6,354,692.5	1,824,024.8	597.90				Average	
		point596	596	6,354,668.5	1,823,983.8	597.20				Average	
		point597	597	6,354,641.5	1,823,944.5	596.40				Average	
		point598	598	6,354,612.5	1,823,907.2	595.70				Average	
		point599	599	6,354,550.0	1,823,833.0	594.20				Average	
		point885	885	6,354,487.5	1,823,758.6	593.10				Average	
		point601	601	6,354,425.0	1,823,684.4	591.80					
Proctor Valley Road - Proj Ent 2 to 3	60.0	point887	887	6,355,996.0	1,826,801.6	649.50				Average	
		point551	551	6,355,981.0	1,826,756.0	648.90				Average	
		point552	552	6,355,967.5	1,826,709.8	648.10				Average	
		point553	553	6,355,957.0	1,826,662.9	647.30				Average	
		point554	554	6,355,948.5	1,826,615.6	646.50				Average	
		point555	555	6,355,942.5	1,826,567.9	645.70				Average	
		point556	556	6,355,939.0	1,826,520.0	644.90				Average	
		point557	557	6,355,934.0	1,826,413.9	643.10				Average	
		point558	558	6,355,929.0	1,826,307.8	641.40				Average	

		point559	559	6,355,924.0	1,826,201.6	639.60				Average	
		point560	560	6,355,919.0	1,826,095.5	637.80				Average	
		point561	561	6,355,914.0	1,825,989.4	636.30				Average	
		point562	562	6,355,909.0	1,825,883.2	635.20				Average	
		point563	563	6,355,904.0	1,825,777.1	634.10				Average	
		point564	564	6,355,899.5	1,825,727.6	633.60				Average	
		point565	565	6,355,891.0	1,825,678.8	633.10				Average	
		point566	566	6,355,878.5	1,825,630.8	632.60				Average	
		point567	567	6,355,862.0	1,825,584.0	632.20				Average	
		point568	568	6,355,842.0	1,825,538.6	631.70				Average	
		point569	569	6,355,818.0	1,825,495.2	631.20				Average	
		point570	570	6,355,790.5	1,825,453.9	630.70				Average	
		point571	571	6,355,760.0	1,825,414.9	630.20				Average	
		point572	572	6,355,726.0	1,825,378.6	629.70				Average	
		point573	573	6,355,689.5	1,825,345.2	629.20				Average	
		point574	574	6,355,650.0	1,825,315.0	628.70				Average	
		point575	575	6,355,543.5	1,825,240.2	627.40				Average	
		point576	576	6,355,437.5	1,825,165.5	626.10				Average	
		point577	577	6,355,331.0	1,825,090.6	624.80				Average	
		point578	578	6,355,292.5	1,825,062.0	624.30				Average	
		point579	579	6,355,255.5	1,825,031.6	623.80				Average	
		point580	580	6,355,219.5	1,824,999.4	623.30				Average	
		point581	581	6,355,185.5	1,824,965.5	622.80				Average	
		point582	582	6,355,153.0	1,824,930.0	622.40				Average	
		point583	583	6,355,122.5	1,824,893.0	621.90				Average	
		point584	584	6,355,093.5	1,824,854.6	621.30				Average	
		point585	585	6,355,066.5	1,824,814.9	620.50				Average	
		point586	586	6,355,041.5	1,824,773.8	619.40				Average	
		point587	587	6,355,018.5	1,824,731.6	617.90				Average	
		point588	588	6,354,997.5	1,824,688.4	616.00				Average	
		point589	589	6,354,950.0	1,824,584.9	611.00				Average	
		point590	590	6,354,902.5	1,824,481.4	606.40				Average	
		point591	591	6,354,855.5	1,824,377.8	603.80					
Proctor Valley Road - Proj Ent 3 to 4	60.0	point888	888	6,356,791.0	1,827,626.9	692.80				Average	
		point533	533	6,356,707.0	1,827,562.4	689.10				Average	
		point534	534	6,356,623.5	1,827,497.8	684.20				Average	
		point535	535	6,356,593.5	1,827,474.2	682.40				Average	
		point536	536	6,356,564.0	1,827,450.1	680.70				Average	
		point537	537	6,356,535.0	1,827,425.5	679.00				Average	

		point538	538	6,356,445.5	1,827,348.0	673.40				Average	
		point539	539	6,356,356.0	1,827,270.5	667.50				Average	
		point540	540	6,356,266.5	1,827,193.0	662.30				Average	
		point541	541	6,356,231.0	1,827,160.6	660.20				Average	
		point542	542	6,356,197.0	1,827,126.5	658.30				Average	
		point543	543	6,356,165.0	1,827,090.6	656.40				Average	
		point544	544	6,356,134.5	1,827,053.2	655.00				Average	
		point545	545	6,356,106.5	1,827,014.5	653.80				Average	
		point546	546	6,356,080.0	1,826,974.2	652.90				Average	
		point547	547	6,356,056.0	1,826,932.8	652.10				Average	
		point548	548	6,356,033.5	1,826,890.0	650.40				Average	
		point549	549	6,356,014.0	1,826,846.2	650.50				Average	
		point550	550	6,355,996.0	1,826,801.6	649.50					
Proctor Valley Road - Proj Ent 4 to 5	60.0	point889	889	6,359,116.5	1,829,950.2	763.10				Average	
		point485	485	6,359,094.5	1,829,907.9	762.40				Average	
		point486	486	6,359,072.0	1,829,865.5	761.60				Average	
		point487	487	6,359,049.5	1,829,823.1	760.60				Average	
		point488	488	6,359,027.5	1,829,780.8	759.00				Average	
		point489	489	6,359,005.0	1,829,738.4	756.50				Average	
		point490	490	6,358,982.5	1,829,696.0	753.50				Average	
		point491	491	6,358,960.5	1,829,653.6	750.00				Average	
		point492	492	6,358,938.0	1,829,611.2	746.90				Average	
		point493	493	6,358,916.0	1,829,568.9	744.90				Average	
		point494	494	6,358,893.5	1,829,526.5	743.00				Average	
		point495	495	6,358,871.0	1,829,484.1	741.50				Average	
		point496	496	6,358,849.0	1,829,441.8	740.10				Average	
		point497	497	6,358,803.5	1,829,368.9	737.40				Average	
		point498	498	6,358,748.5	1,829,303.2	734.70				Average	
		point499	499	6,358,712.0	1,829,265.8	733.10				Average	
		point500	500	6,358,675.5	1,829,228.2	731.40				Average	
		point501	501	6,358,639.0	1,829,190.8	729.80				Average	
		point502	502	6,358,602.5	1,829,153.2	728.10				Average	
		point503	503	6,358,566.5	1,829,115.8	726.50				Average	
		point504	504	6,358,530.0	1,829,078.2	724.80				Average	
		point505	505	6,358,493.5	1,829,040.8	723.20				Average	
		point506	506	6,358,457.0	1,829,003.2	721.50				Average	
		point507	507	6,358,421.0	1,828,965.2	719.90				Average	
		point508	508	6,358,385.5	1,828,927.2	718.30				Average	
		point509	509	6,358,349.5	1,828,889.1	716.70				Average	

		point510	510	6,358,313.5	1,828,851.1	715.20				Average	
		point511	511	6,358,278.0	1,828,813.1	714.20				Average	
		point512	512	6,358,242.0	1,828,775.1	713.60				Average	
		point513	513	6,358,206.0	1,828,737.0	713.00				Average	
		point514	514	6,358,170.5	1,828,699.0	712.50				Average	
		point515	515	6,358,136.5	1,828,665.6	712.00				Average	
		point516	516	6,358,100.0	1,828,635.1	711.50				Average	
		point517	517	6,358,048.5	1,828,595.4	710.90				Average	
		point518	518	6,357,964.5	1,828,530.9	709.80				Average	
		point519	519	6,357,880.5	1,828,466.2	708.80				Average	
		point520	520	6,357,797.0	1,828,401.8	707.70				Average	
		point521	521	6,357,713.0	1,828,337.1	706.70				Average	
		point522	522	6,357,629.0	1,828,272.6	705.60				Average	
		point523	523	6,357,545.5	1,828,208.0	704.50				Average	
		point524	524	6,357,461.5	1,828,143.5	703.50				Average	
		point525	525	6,357,378.0	1,828,078.9	702.40				Average	
		point526	526	6,357,294.0	1,828,014.4	701.40				Average	
		point527	527	6,357,210.0	1,827,949.8	700.30				Average	
		point528	528	6,357,126.5	1,827,885.1	699.20				Average	
		point529	529	6,357,042.5	1,827,820.6	698.20				Average	
		point530	530	6,356,958.5	1,827,756.0	697.10				Average	
		point531	531	6,356,875.0	1,827,691.5	695.50				Average	
		point532	532	6,356,791.0	1,827,626.9	692.80					
Proctor Valley Road - Proj Ent 5 to 6	60.0	point890	890	6,359,518.0	1,831,098.8	836.00				Average	
		point461	461	6,359,514.5	1,831,048.6	835.30				Average	
		point462	462	6,359,510.0	1,830,998.5	834.10				Average	
		point463	463	6,359,504.0	1,830,948.6	832.80				Average	
		point464	464	6,359,496.5	1,830,898.9	831.00				Average	
		point465	465	6,359,488.0	1,830,849.4	829.00				Average	
		point466	466	6,359,478.0	1,830,800.0	825.70				Average	
		point467	467	6,359,467.0	1,830,751.0	822.20				Average	
		point468	468	6,359,455.0	1,830,702.2	818.00				Average	
		point469	469	6,359,441.5	1,830,653.9	813.80				Average	
		point470	470	6,359,427.0	1,830,605.8	809.70				Average	
		point471	471	6,359,411.0	1,830,558.0	805.50				Average	
		point472	472	6,359,394.0	1,830,510.8	801.30				Average	
		point473	473	6,359,375.5	1,830,463.9	797.10				Average	
		point474	474	6,359,356.0	1,830,417.5	793.00				Average	
		point475	475	6,359,335.5	1,830,371.6	788.80				Average	

		point476	476	6,359,314.0	1,830,326.4	784.70				Average	
		point477	477	6,359,291.0	1,830,281.6	780.60				Average	
		point478	478	6,359,235.5	1,830,176.4	772.20				Average	
		point479	479	6,359,219.5	1,830,143.0	769.80				Average	
		point480	480	6,359,203.5	1,830,105.4	768.00				Average	
		point481	481	6,359,187.0	1,830,067.8	766.70				Average	
		point482	482	6,359,164.0	1,830,021.8	765.10				Average	
		point483	483	6,359,136.5	1,829,978.2	763.40				Average	
		point484	484	6,359,116.5	1,829,950.2	763.10					
Proctor Valley Road - West Fork	40.0	point891	891	6,360,476.5	1,835,546.8	884.80				Average	
		point763	763	6,360,443.5	1,835,500.8	885.50				Average	
		point764	764	6,360,416.5	1,835,458.5	886.20				Average	
		point765	765	6,360,393.5	1,835,413.6	886.80				Average	
		point766	766	6,360,375.5	1,835,366.8	887.00				Average	
		point767	767	6,360,368.0	1,835,342.8	887.20				Average	
		point768	768	6,360,354.5	1,835,294.0	886.60				Average	
		point769	769	6,360,341.5	1,835,245.4	885.90				Average	
		point770	770	6,360,328.0	1,835,196.6	885.00				Average	
		point771	771	6,360,314.5	1,835,148.0	884.00				Average	
		point772	772	6,360,300.5	1,835,099.4	883.20				Average	
		point773	773	6,360,285.0	1,835,051.4	882.50				Average	
		point774	774	6,360,269.0	1,835,003.5	882.20				Average	
		point775	775	6,360,253.0	1,834,955.5	882.50				Average	
		point776	776	6,360,237.0	1,834,907.6	883.20				Average	
		point777	777	6,360,226.5	1,834,870.4	883.90				Average	
		point778	778	6,360,218.5	1,834,832.5	884.70				Average	
		point779	779	6,360,209.5	1,834,780.4	886.50				Average	
		point780	780	6,360,201.0	1,834,728.2	888.30				Average	
		point781	781	6,360,192.0	1,834,676.0	890.60				Average	
		point782	782	6,360,183.5	1,834,623.9	892.80				Average	
		point783	783	6,360,173.5	1,834,572.0	895.00				Average	
		point784	784	6,360,163.5	1,834,520.0	897.20				Average	
		point785	785	6,360,153.5	1,834,468.1	899.50				Average	
		point786	786	6,360,144.0	1,834,416.1	901.70				Average	
		point787	787	6,360,134.0	1,834,364.2	904.00				Average	
		point788	788	6,360,127.0	1,834,312.8	906.20				Average	
		point789	789	6,360,125.0	1,834,261.0	908.30				Average	
		point790	790	6,360,129.0	1,834,209.2	909.70				Average	
		point791	791	6,360,138.0	1,834,158.1	910.90				Average	

		point792	792	6,360,152.0	1,834,108.2	912.20				Average	
		point793	793	6,360,171.5	1,834,060.1	912.80				Average	
		point794	794	6,360,474.5	1,833,407.5	907.20				Average	
		point795	795	6,360,484.5	1,833,386.6	907.10				Average	
		point796	796	6,360,508.0	1,833,346.5	906.90				Average	
		point797	797	6,360,535.0	1,833,308.6	906.70					
Proctor Valley Road - Ent 8 to Melody	40.0	point876	876	6,362,537.5	1,836,340.0	910.00				Average	
		point877	877	6,362,460.5	1,836,102.2	904.00				Average	
		point878	878	6,361,350.0	1,836,103.2	904.20				Average	
		point879	879	6,361,272.5	1,836,104.5	901.80				Average	
		point880	880	6,361,198.5	1,836,106.0	901.10				Average	
		point450	450	6,361,196.5	1,836,105.6	901.10				Average	
		point452	452	6,361,145.0	1,836,103.8	900.90				Average	
		point746	746	6,361,094.0	1,836,096.6	901.80				Average	
		point747	747	6,361,044.0	1,836,084.2	901.90				Average	
		point748	748	6,360,995.5	1,836,066.8	902.00				Average	
		point749	749	6,360,949.0	1,836,044.4	902.10				Average	
		point750	750	6,360,905.0	1,836,017.4	902.20				Average	
		point751	751	6,360,864.5	1,835,986.0	901.00				Average	
		point752	752	6,360,817.5	1,835,945.9	899.60				Average	
		point753	753	6,360,770.5	1,835,905.8	897.60				Average	
		point754	754	6,360,723.5	1,835,865.8	894.90				Average	
		point755	755	6,360,705.0	1,835,849.5	893.80				Average	
		point756	756	6,360,671.5	1,835,814.6	891.70				Average	
		point757	757	6,360,641.5	1,835,776.6	889.60				Average	
		point758	758	6,360,608.5	1,835,730.6	888.20				Average	
		point759	759	6,360,575.5	1,835,684.6	887.30				Average	
		point760	760	6,360,542.5	1,835,638.8	886.50				Average	
		point761	761	6,360,509.5	1,835,592.8	885.50				Average	
		point762	762	6,360,476.5	1,835,546.8	884.80					
Proctor Valley Road - Proj Ent 6 to 7	60.0	point892	892	6,360,535.0	1,833,308.6	906.70				Average	
		point798	798	6,360,565.5	1,833,273.4	906.00				Average	
		point799	799	6,360,677.0	1,833,156.2	901.10				Average	
		point800	800	6,360,710.0	1,833,117.9	899.00				Average	
		point801	801	6,360,739.0	1,833,076.4	896.70				Average	
		point802	802	6,360,763.5	1,833,032.1	894.50				Average	
		point803	803	6,360,783.5	1,832,985.6	892.30				Average	
		point804	804	6,360,798.5	1,832,937.2	890.50				Average	
		point805	805	6,360,809.0	1,832,887.8	888.80				Average	

		point806	806	6,360,814.0	1,832,837.4	888.30				Average	
		point807	807	6,360,814.0	1,832,786.8	887.80				Average	
		point808	808	6,360,809.0	1,832,736.4	887.20				Average	
		point809	809	6,360,799.0	1,832,686.8	886.80				Average	
		point810	810	6,360,784.0	1,832,638.5	887.60				Average	
		point811	811	6,360,722.5	1,832,472.2	893.10				Average	
		point812	812	6,360,714.5	1,832,452.8	894.00				Average	
		point813	813	6,360,706.0	1,832,433.5	894.90				Average	
		point814	814	6,360,697.0	1,832,414.6	895.70				Average	
		point815	815	6,360,686.5	1,832,396.1	896.60				Average	
		point816	816	6,360,676.0	1,832,378.1	897.60				Average	
		point817	817	6,360,664.0	1,832,360.6	898.70				Average	
		point818	818	6,360,652.0	1,832,343.5	900.40				Average	
		point819	819	6,360,639.0	1,832,327.0	898.00				Average	
		point820	820	6,360,469.5	1,832,122.2	908.10				Average	
		point821	821	6,360,452.5	1,832,102.6	908.40				Average	
		point822	822	6,360,435.0	1,832,083.8	908.80				Average	
		point823	823	6,360,416.5	1,832,065.6	909.10				Average	
		point824	824	6,360,397.0	1,832,048.4	909.50				Average	
		point825	825	6,360,377.0	1,832,032.0	909.80				Average	
		point826	826	6,360,356.0	1,832,016.5	910.10				Average	
		point827	827	6,360,335.0	1,832,001.9	910.20				Average	
		point828	828	6,360,313.0	1,831,988.1	910.00				Average	
		point829	829	6,360,290.0	1,831,975.4	909.80				Average	
		point830	830	6,360,267.0	1,831,963.8	909.60				Average	
		point831	831	6,359,717.0	1,831,699.0	876.40				Average	
		point832	832	6,359,693.5	1,831,686.6	874.40				Average	
		point833	833	6,359,671.0	1,831,672.4	872.30				Average	
		point834	834	6,359,649.5	1,831,656.5	870.30				Average	
		point835	835	6,359,629.5	1,831,639.1	868.20				Average	
		point836	836	6,359,611.0	1,831,620.2	866.20				Average	
		point837	837	6,359,593.5	1,831,599.9	864.10				Average	
		point838	838	6,359,578.0	1,831,578.4	862.00				Average	
		point839	839	6,359,564.0	1,831,555.8	860.00				Average	
		point840	840	6,359,552.0	1,831,532.1	857.80				Average	
		point841	841	6,359,541.5	1,831,507.6	855.00				Average	
		point842	842	6,359,533.0	1,831,482.4	852.40				Average	
		point843	843	6,359,526.5	1,831,456.6	851.00				Average	
		point453	453	6,359,522.0	1,831,430.4	849.50				Average	

		point454	454	6,359,519.5	1,831,403.9	847.60				Average	
		point455	455	6,359,519.0	1,831,377.2	845.70				Average	
		point456	456	6,359,519.0	1,831,350.9	844.60				Average	
		point457	457	6,359,521.0	1,831,249.5	840.40				Average	
		point458	458	6,359,521.5	1,831,199.2	838.00				Average	
		point459	459	6,359,520.5	1,831,149.0	836.90				Average	
		point460	460	6,359,518.0	1,831,098.8	836.00					
Proctor Valley Rd - Ent 8 to Melody	40.0	point894	894	6,360,868.0	1,834,920.0	908.80				Average	
		point865	865	6,360,849.0	1,834,975.9	905.90				Average	
		point866	866	6,360,820.5	1,835,031.9	902.60				Average	
		point867	867	6,360,794.0	1,835,089.8	899.20				Average	
		point868	868	6,360,762.5	1,835,145.4	896.00				Average	
		point869	869	6,360,662.0	1,835,308.8	889.20				Average	
		point870	870	6,360,643.0	1,835,337.8	888.10				Average	
		point871	871	6,360,622.5	1,835,365.6	887.30				Average	
		point872	872	6,360,591.0	1,835,402.4	886.40				Average	
		point873	873	6,360,556.5	1,835,436.6	885.70				Average	
		point874	874	6,360,529.5	1,835,460.1	885.40				Average	
		point875	875	6,360,503.5	1,835,480.4	885.10				Average	
		point846	846	6,360,457.0	1,835,513.6	884.50					

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INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 8207
RUN: OtyRchPctrVly2030wPjwMt2ndFlr0817

Roadway	Points												
Name	Name	No.	Segment										
			Total	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			Volume	P	S	P	S	P	S	P	S	P	S
			veh/hr	%	mph	%	mph	%	mph	%	mph	%	mph
Melody Road - Proctor Vlly Rd - SR-94	point379	379	570	97	40	2	40	0	0	1	40	0	0
	point380	380											
PrctrVllyRd - Melody Rd-SchleeCyn Rd	point381	381	780	97	45	2	45	0	0	1	45	0	0
	point382	382											
PrctrVllyRd - SchleeCyn Rd-MaxfieldRd	point383	383	600	97	40	2	40	0	0	1	40	0	0
	point384	384											
Proctor Valley Rd-HuntePkyw-Northwd	point385	385	3580	97	45	2	45	0	0	1	45	0	0
	point387	387	3580	97	45	2	45	0	0	1	45	0	0
	point445	445	3580	97	45	2	45	0	0	1	45	0	0
	point444	444	3580	97	45	2	45	0	0	1	45	0	0
	point386	386											
Proctor Valley Rd-Lane Ave-HuntePkwy	point388	388	3820	97	45	2	45	0	0	1	45	0	0
	point434	434	3820	97	45	2	45	0	0	1	45	0	0
	point389	389											
Proctor Valley Rd-MtMglRd - Lane Ave	point390	390	4650	97	45	2	45	0	0	1	45	0	0
	point392	392	4650	97	45	2	45	0	0	1	45	0	0
	point430	430	4650	97	45	2	45	0	0	1	45	0	0
	point431	431	4650	97	45	2	45	0	0	1	45	0	0
	point391	391											
SnMglRnch/Mt MglRd-SR125-PrctrVlly	point394	394	1170	97	40	2	40	0	0	1	40	0	0
	point428	428	1170	97	40	2	40	0	0	1	40	0	0
	point395	395											
SanMglRnchRd-PrctrVllyRd - SR-125	point396	396	1560	97	45	2	45	0	0	1	45	0	0

	point423	423	1560	97	45	2	45	0	0	1	45	0	0
	point424	424	1560	97	45	2	45	0	0	1	45	0	0
	point426	426	1560	97	45	2	45	0	0	1	45	0	0
	point397	397											
Proctor Valley Rd-SR125 - MtMglRd	point398	398	3570	97	45	2	45	0	0	1	45	0	0
	point429	429	3570	97	45	2	45	0	0	1	45	0	0
	point399	399											
Northwoods Dr - ProctrVlly-BlueRdgDr	point400	400	190	97	45	2	45	0	0	1	45	0	0
	point446	446	190	97	45	2	45	0	0	1	45	0	0
	point447	447	190	97	45	2	45	0	0	1	45	0	0
	point448	448	190	97	45	2	45	0	0	1	45	0	0
	point401	401											
Hunte Pkwy-PrctrVllyRd - OtayLksRd	point402	402	1360	97	45	2	45	0	0	1	45	0	0
	point437	437	1360	97	45	2	45	0	0	1	45	0	0
	point435	435	1360	97	45	2	45	0	0	1	45	0	0
	point436	436	1360	97	45	2	45	0	0	1	45	0	0
	point406	406	1360	97	45	2	45	0	0	1	45	0	0
	point403	403											
Hunte Pkwy-OtayLksRd-OlmpcPkwy	point407	407	1970	97	45	2	45	0	0	1	45	0	0
	point438	438	1970	97	45	2	45	0	0	1	45	0	0
	point439	439	1970	97	45	2	45	0	0	1	45	0	0
	point440	440	1970	97	45	2	45	0	0	1	45	0	0
	point409	409	1970	97	45	2	45	0	0	1	45	0	0
	point408	408											
Hunte Pkwy-OlmpcPkwy-EastlkPkwy	point410	410	3580	97	50	2	50	0	0	1	50	0	0
	point412	412	3580	97	50	2	50	0	0	1	50	0	0
	point441	441	3580	97	50	2	50	0	0	1	50	0	0
	point442	442	3580	97	50	2	50	0	0	1	50	0	0
	point443	443	3580	97	50	2	50	0	0	1	50	0	0
	point411	411											
Lane Ave PrctrVllyRd-OtayLksRd	point415	415	1600	97	40	2	40	0	0	1	40	0	0
	point433	433	1600	97	40	2	40	0	0	1	40	0	0
	point432	432	1600	97	40	2	40	0	0	1	40	0	0
	point416	416											
PrctrVllyRd - MaxfieldRd to SR-94	point421	421	570	97	40	2	40	0	0	1	40	0	0
	point449	449	570	97	40	2	40	0	0	1	40	0	0

	point422	422											
Proctor Valley Rd - Ent 7 to Ent 8	point845	845	847	97	45	2	45	0	0	1	45	0	0
	point847	847	847	97	45	2	45	0	0	1	45	0	0
	point848	848	847	97	45	2	45	0	0	1	45	0	0
	point849	849	847	97	45	2	45	0	0	1	45	0	0
	point850	850	847	97	45	2	45	0	0	1	45	0	0
	point851	851	847	97	45	2	45	0	0	1	45	0	0
	point852	852	847	97	45	2	45	0	0	1	45	0	0
	point853	853	847	97	45	2	45	0	0	1	45	0	0
	point854	854	847	97	45	2	45	0	0	1	45	0	0
	point855	855	847	97	45	2	45	0	0	1	45	0	0
	point856	856	847	97	45	2	45	0	0	1	45	0	0
	point857	857	847	97	45	2	45	0	0	1	45	0	0
	point858	858	847	97	45	2	45	0	0	1	45	0	0
	point859	859	847	97	45	2	45	0	0	1	45	0	0
	point860	860	847	97	45	2	45	0	0	1	45	0	0
	point861	861	847	97	45	2	45	0	0	1	45	0	0
	point862	862	847	97	45	2	45	0	0	1	45	0	0
	point863	863	847	97	45	2	45	0	0	1	45	0	0
	point864	864	847	97	45	2	45	0	0	1	45	0	0
	point893	893											
Proctor Valley Road - Ent 9 to Melody	point881	881	837	97	45	2	45	0	0	1	45	0	0
	point882	882	837	97	45	2	45	0	0	1	45	0	0
	point883	883											
Proctor Valley Road - Proj Ent 1 to Chula	point884	884	2940	97	45	2	45	0	0	1	45	0	0
	point602	602	2940	97	45	2	45	0	0	1	45	0	0
	point603	603	2940	97	45	2	45	0	0	1	45	0	0
	point604	604	2940	97	45	2	45	0	0	1	45	0	0
	point605	605	2940	97	45	2	45	0	0	1	45	0	0
	point606	606	2940	97	45	2	45	0	0	1	45	0	0
	point607	607	2940	97	45	2	45	0	0	1	45	0	0
	point608	608	2940	97	45	2	45	0	0	1	45	0	0
	point609	609	2940	97	45	2	45	0	0	1	45	0	0
	point610	610	2940	97	45	2	45	0	0	1	45	0	0
	point611	611	2940	97	45	2	45	0	0	1	45	0	0
	point612	612	2940	97	45	2	45	0	0	1	45	0	0

	point613	613	2940	97	45	2	45	0	0	1	45	0	0
	point614	614	2940	97	45	2	45	0	0	1	45	0	0
	point615	615	2940	97	45	2	45	0	0	1	45	0	0
	point616	616	2940	97	45	2	45	0	0	1	45	0	0
	point617	617	2940	97	45	2	45	0	0	1	45	0	0
	point618	618	2940	97	45	2	45	0	0	1	45	0	0
	point619	619	2940	97	45	2	45	0	0	1	45	0	0
	point620	620	2940	97	45	2	45	0	0	1	45	0	0
	point621	621	2940	97	45	2	45	0	0	1	45	0	0
	point622	622	2940	97	45	2	45	0	0	1	45	0	0
	point623	623	2940	97	45	2	45	0	0	1	45	0	0
	point624	624	2940	97	45	2	45	0	0	1	45	0	0
	point625	625	2940	97	45	2	45	0	0	1	45	0	0
	point626	626	2940	97	45	2	45	0	0	1	45	0	0
	point627	627	2940	97	45	2	45	0	0	1	45	0	0
	point628	628	2940	97	45	2	45	0	0	1	45	0	0
	point629	629	2940	97	45	2	45	0	0	1	45	0	0
	point630	630	2940	97	45	2	45	0	0	1	45	0	0
	point631	631	2940	97	45	2	45	0	0	1	45	0	0
	point632	632	2940	97	45	2	45	0	0	1	45	0	0
	point633	633	2940	97	45	2	45	0	0	1	45	0	0
	point634	634	2940	97	45	2	45	0	0	1	45	0	0
	point635	635	2940	97	45	2	45	0	0	1	45	0	0
	point636	636	2940	97	45	2	45	0	0	1	45	0	0
	point637	637	2940	97	45	2	45	0	0	1	45	0	0
	point638	638	2940	97	45	2	45	0	0	1	45	0	0
	point639	639	2940	97	45	2	45	0	0	1	45	0	0
	point640	640	2940	97	45	2	45	0	0	1	45	0	0
	point641	641	2940	97	45	2	45	0	0	1	45	0	0
	point642	642	2940	97	45	2	45	0	0	1	45	0	0
	point643	643	2940	97	45	2	45	0	0	1	45	0	0
	point644	644	2940	97	45	2	45	0	0	1	45	0	0
	point645	645	2940	97	45	2	45	0	0	1	45	0	0
	point646	646	2940	97	45	2	45	0	0	1	45	0	0
	point647	647	2940	97	45	2	45	0	0	1	45	0	0
	point648	648	2940	97	45	2	45	0	0	1	45	0	0

	point649	649	2940	97	45	2	45	0	0	1	45	0	0
	point650	650	2940	97	45	2	45	0	0	1	45	0	0
	point651	651	2940	97	45	2	45	0	0	1	45	0	0
	point652	652	2940	97	45	2	45	0	0	1	45	0	0
	point653	653	2940	97	45	2	45	0	0	1	45	0	0
	point654	654	2940	97	45	2	45	0	0	1	45	0	0
	point655	655	2940	97	45	2	45	0	0	1	45	0	0
	point656	656	2940	97	45	2	45	0	0	1	45	0	0
	point657	657	2940	97	45	2	45	0	0	1	45	0	0
	point658	658	2940	97	45	2	45	0	0	1	45	0	0
	point659	659	2940	97	45	2	45	0	0	1	45	0	0
	point660	660	2940	97	45	2	45	0	0	1	45	0	0
	point661	661	2940	97	45	2	45	0	0	1	45	0	0
	point662	662	2940	97	45	2	45	0	0	1	45	0	0
	point663	663	2940	97	45	2	45	0	0	1	45	0	0
	point664	664	2940	97	45	2	45	0	0	1	45	0	0
	point665	665	2940	97	45	2	45	0	0	1	45	0	0
	point666	666	2940	97	45	2	45	0	0	1	45	0	0
	point667	667	2940	97	45	2	45	0	0	1	45	0	0
	point668	668	2940	97	45	2	45	0	0	1	45	0	0
	point669	669	2940	97	45	2	45	0	0	1	45	0	0
	point670	670	2940	97	45	2	45	0	0	1	45	0	0
	point671	671	2940	97	45	2	45	0	0	1	45	0	0
	point672	672	2940	97	45	2	45	0	0	1	45	0	0
	point673	673	2940	97	45	2	45	0	0	1	45	0	0
	point674	674	2940	97	45	2	45	0	0	1	45	0	0
	point675	675	2940	97	45	2	45	0	0	1	45	0	0
	point676	676	2940	97	45	2	45	0	0	1	45	0	0
	point677	677	2940	97	45	2	45	0	0	1	45	0	0
	point678	678	2940	97	45	2	45	0	0	1	45	0	0
	point679	679	2940	97	45	2	45	0	0	1	45	0	0
	point680	680	2940	97	45	2	45	0	0	1	45	0	0
	point681	681	2940	97	45	2	45	0	0	1	45	0	0
	point682	682	2940	97	45	2	45	0	0	1	45	0	0
	point683	683	2940	97	45	2	45	0	0	1	45	0	0
	point684	684	2940	97	45	2	45	0	0	1	45	0	0

	point685	685	2940	97	45	2	45	0	0	1	45	0	0
	point686	686	2940	97	45	2	45	0	0	1	45	0	0
	point687	687	2940	97	45	2	45	0	0	1	45	0	0
	point688	688	2940	97	45	2	45	0	0	1	45	0	0
	point689	689	2940	97	45	2	45	0	0	1	45	0	0
	point690	690	2940	97	45	2	45	0	0	1	45	0	0
	point691	691	2940	97	45	2	45	0	0	1	45	0	0
	point692	692	2940	97	45	2	45	0	0	1	45	0	0
	point693	693	2940	97	45	2	45	0	0	1	45	0	0
	point694	694	2940	97	45	2	45	0	0	1	45	0	0
	point695	695	2940	97	45	2	45	0	0	1	45	0	0
	point696	696	2940	97	45	2	45	0	0	1	45	0	0
	point697	697	2940	97	45	2	45	0	0	1	45	0	0
	point698	698	2940	97	45	2	45	0	0	1	45	0	0
	point699	699	2940	97	45	2	45	0	0	1	45	0	0
	point700	700	2940	97	45	2	45	0	0	1	45	0	0
	point701	701	2940	97	45	2	45	0	0	1	45	0	0
	point702	702	2940	97	45	2	45	0	0	1	45	0	0
	point703	703	2940	97	45	2	45	0	0	1	45	0	0
	point704	704	2940	97	45	2	45	0	0	1	45	0	0
	point705	705	2940	97	45	2	45	0	0	1	45	0	0
	point706	706	2940	97	45	2	45	0	0	1	45	0	0
	point707	707	2940	97	45	2	45	0	0	1	45	0	0
	point708	708	2940	97	45	2	45	0	0	1	45	0	0
	point709	709	2940	97	45	2	45	0	0	1	45	0	0
	point710	710	2940	97	45	2	45	0	0	1	45	0	0
	point711	711	2940	97	45	2	45	0	0	1	45	0	0
	point712	712	2940	97	45	2	45	0	0	1	45	0	0
	point713	713	2940	97	45	2	45	0	0	1	45	0	0
	point714	714	2940	97	45	2	45	0	0	1	45	0	0
	point715	715	2940	97	45	2	45	0	0	1	45	0	0
	point716	716	2940	97	45	2	45	0	0	1	45	0	0
	point717	717											
Proctor Valley Road - Proj Ent 1 to 2	point886	886	2770	97	45	2	45	0	0	1	45	0	0
	point592	592	2770	97	45	2	45	0	0	1	45	0	0
	point593	593	2770	97	45	2	45	0	0	1	45	0	0

	point594	594	2770	97	45	2	45	0	0	1	45	0	0
	point595	595	2770	97	45	2	45	0	0	1	45	0	0
	point596	596	2770	97	45	2	45	0	0	1	45	0	0
	point597	597	2770	97	45	2	45	0	0	1	45	0	0
	point598	598	2770	97	45	2	45	0	0	1	45	0	0
	point599	599	2770	97	45	2	45	0	0	1	45	0	0
	point885	885	2770	97	45	2	45	0	0	1	45	0	0
	point601	601											
Proctor Valley Road - Proj Ent 2 to 3	point887	887	2400	97	45	2	45	0	0	1	45	0	0
	point551	551	2400	97	45	2	45	0	0	1	45	0	0
	point552	552	2400	97	45	2	45	0	0	1	45	0	0
	point553	553	2400	97	45	2	45	0	0	1	45	0	0
	point554	554	2400	97	45	2	45	0	0	1	45	0	0
	point555	555	2400	97	45	2	45	0	0	1	45	0	0
	point556	556	2400	97	45	2	45	0	0	1	45	0	0
	point557	557	2400	97	45	2	45	0	0	1	45	0	0
	point558	558	2400	97	45	2	45	0	0	1	45	0	0
	point559	559	2400	97	45	2	45	0	0	1	45	0	0
	point560	560	2400	97	45	2	45	0	0	1	45	0	0
	point561	561	2400	97	45	2	45	0	0	1	45	0	0
	point562	562	2400	97	45	2	45	0	0	1	45	0	0
	point563	563	2400	97	45	2	45	0	0	1	45	0	0
	point564	564	2400	97	45	2	45	0	0	1	45	0	0
	point565	565	2400	97	45	2	45	0	0	1	45	0	0
	point566	566	2400	97	45	2	45	0	0	1	45	0	0
	point567	567	2400	97	45	2	45	0	0	1	45	0	0
	point568	568	2400	97	45	2	45	0	0	1	45	0	0
	point569	569	2400	97	45	2	45	0	0	1	45	0	0
	point570	570	2400	97	45	2	45	0	0	1	45	0	0
	point571	571	2400	97	45	2	45	0	0	1	45	0	0
	point572	572	2400	97	45	2	45	0	0	1	45	0	0
	point573	573	2400	97	45	2	45	0	0	1	45	0	0
	point574	574	2400	97	45	2	45	0	0	1	45	0	0
	point575	575	2400	97	45	2	45	0	0	1	45	0	0
	point576	576	2400	97	45	2	45	0	0	1	45	0	0
	point577	577	2400	97	45	2	45	0	0	1	45	0	0

	point578	578	2400	97	45	2	45	0	0	1	45	0	0
	point579	579	2400	97	45	2	45	0	0	1	45	0	0
	point580	580	2400	97	45	2	45	0	0	1	45	0	0
	point581	581	2400	97	45	2	45	0	0	1	45	0	0
	point582	582	2400	97	45	2	45	0	0	1	45	0	0
	point583	583	2400	97	45	2	45	0	0	1	45	0	0
	point584	584	2400	97	45	2	45	0	0	1	45	0	0
	point585	585	2400	97	45	2	45	0	0	1	45	0	0
	point586	586	2400	97	45	2	45	0	0	1	45	0	0
	point587	587	2400	97	45	2	45	0	0	1	45	0	0
	point588	588	2400	97	45	2	45	0	0	1	45	0	0
	point589	589	2400	97	45	2	45	0	0	1	45	0	0
	point590	590	2400	97	45	2	45	0	0	1	45	0	0
	point591	591											
Proctor Valley Road - Proj Ent 3 to 4	point888	888	2390	97	45	2	45	0	0	1	45	0	0
	point533	533	2390	97	45	2	45	0	0	1	45	0	0
	point534	534	2390	97	45	2	45	0	0	1	45	0	0
	point535	535	2390	97	45	2	45	0	0	1	45	0	0
	point536	536	2390	97	45	2	45	0	0	1	45	0	0
	point537	537	2390	97	45	2	45	0	0	1	45	0	0
	point538	538	2390	97	45	2	45	0	0	1	45	0	0
	point539	539	2390	97	45	2	45	0	0	1	45	0	0
	point540	540	2390	97	45	2	45	0	0	1	45	0	0
	point541	541	2390	97	45	2	45	0	0	1	45	0	0
	point542	542	2390	97	45	2	45	0	0	1	45	0	0
	point543	543	2390	97	45	2	45	0	0	1	45	0	0
	point544	544	2390	97	45	2	45	0	0	1	45	0	0
	point545	545	2390	97	45	2	45	0	0	1	45	0	0
	point546	546	2390	97	45	2	45	0	0	1	45	0	0
	point547	547	2390	97	45	2	45	0	0	1	45	0	0
	point548	548	2390	97	45	2	45	0	0	1	45	0	0
	point549	549	2390	97	45	2	45	0	0	1	45	0	0
	point550	550											
Proctor Valley Road - Proj Ent 4 to 5	point889	889	1280	97	45	2	45	0	0	1	45	0	0
	point485	485	1280	97	45	2	45	0	0	1	45	0	0
	point486	486	1280	97	45	2	45	0	0	1	45	0	0

	point487	487	1280	97	45	2	45	0	0	1	45	0	0
	point488	488	1280	97	45	2	45	0	0	1	45	0	0
	point489	489	1280	97	45	2	45	0	0	1	45	0	0
	point490	490	1280	97	45	2	45	0	0	1	45	0	0
	point491	491	1280	97	45	2	45	0	0	1	45	0	0
	point492	492	1280	97	45	2	45	0	0	1	45	0	0
	point493	493	1280	97	45	2	45	0	0	1	45	0	0
	point494	494	1280	97	45	2	45	0	0	1	45	0	0
	point495	495	1280	97	45	2	45	0	0	1	45	0	0
	point496	496	1280	97	45	2	45	0	0	1	45	0	0
	point497	497	1280	97	45	2	45	0	0	1	45	0	0
	point498	498	1280	97	45	2	45	0	0	1	45	0	0
	point499	499	1280	97	45	2	45	0	0	1	45	0	0
	point500	500	1280	97	45	2	45	0	0	1	45	0	0
	point501	501	1280	97	45	2	45	0	0	1	45	0	0
	point502	502	1280	97	45	2	45	0	0	1	45	0	0
	point503	503	1280	97	45	2	45	0	0	1	45	0	0
	point504	504	1280	97	45	2	45	0	0	1	45	0	0
	point505	505	1280	97	45	2	45	0	0	1	45	0	0
	point506	506	1280	97	45	2	45	0	0	1	45	0	0
	point507	507	1280	97	45	2	45	0	0	1	45	0	0
	point508	508	1280	97	45	2	45	0	0	1	45	0	0
	point509	509	1280	97	45	2	45	0	0	1	45	0	0
	point510	510	1280	97	45	2	45	0	0	1	45	0	0
	point511	511	1280	97	45	2	45	0	0	1	45	0	0
	point512	512	1280	97	45	2	45	0	0	1	45	0	0
	point513	513	1280	97	45	2	45	0	0	1	45	0	0
	point514	514	1280	97	45	2	45	0	0	1	45	0	0
	point515	515	1280	97	45	2	45	0	0	1	45	0	0
	point516	516	1280	97	45	2	45	0	0	1	45	0	0
	point517	517	1280	97	45	2	45	0	0	1	45	0	0
	point518	518	1280	97	45	2	45	0	0	1	45	0	0
	point519	519	1280	97	45	2	45	0	0	1	45	0	0
	point520	520	1280	97	45	2	45	0	0	1	45	0	0
	point521	521	1280	97	45	2	45	0	0	1	45	0	0
	point522	522	1280	97	45	2	45	0	0	1	45	0	0

	point523	523	1280	97	45	2	45	0	0	1	45	0	0
	point524	524	1280	97	45	2	45	0	0	1	45	0	0
	point525	525	1280	97	45	2	45	0	0	1	45	0	0
	point526	526	1280	97	45	2	45	0	0	1	45	0	0
	point527	527	1280	97	45	2	45	0	0	1	45	0	0
	point528	528	1280	97	45	2	45	0	0	1	45	0	0
	point529	529	1280	97	45	2	45	0	0	1	45	0	0
	point530	530	1280	97	45	2	45	0	0	1	45	0	0
	point531	531	1280	97	45	2	45	0	0	1	45	0	0
	point532	532											
Proctor Valley Road - Proj Ent 5 to 6	point890	890	907	97	45	2	45	0	0	1	45	0	0
	point461	461	907	97	45	2	45	0	0	1	45	0	0
	point462	462	907	97	45	2	45	0	0	1	45	0	0
	point463	463	907	97	45	2	45	0	0	1	45	0	0
	point464	464	907	97	45	2	45	0	0	1	45	0	0
	point465	465	907	97	45	2	45	0	0	1	45	0	0
	point466	466	907	97	45	2	45	0	0	1	45	0	0
	point467	467	907	97	45	2	45	0	0	1	45	0	0
	point468	468	907	97	45	2	45	0	0	1	45	0	0
	point469	469	907	97	45	2	45	0	0	1	45	0	0
	point470	470	907	97	45	2	45	0	0	1	45	0	0
	point471	471	907	97	45	2	45	0	0	1	45	0	0
	point472	472	907	97	45	2	45	0	0	1	45	0	0
	point473	473	907	97	45	2	45	0	0	1	45	0	0
	point474	474	907	97	45	2	45	0	0	1	45	0	0
	point475	475	907	97	45	2	45	0	0	1	45	0	0
	point476	476	907	97	45	2	45	0	0	1	45	0	0
	point477	477	907	97	45	2	45	0	0	1	45	0	0
	point478	478	907	97	45	2	45	0	0	1	45	0	0
	point479	479	907	97	45	2	45	0	0	1	45	0	0
	point480	480	907	97	45	2	45	0	0	1	45	0	0
	point481	481	907	97	45	2	45	0	0	1	45	0	0
	point482	482	907	97	45	2	45	0	0	1	45	0	0
	point483	483	907	97	45	2	45	0	0	1	45	0	0
	point484	484											
Proctor Valley Road - West Fork	point891	891	0	0	0	0	0	0	0	0	0	0	0

	point763	763	0	0	0	0	0	0	0	0	0	0	0
	point764	764	0	0	0	0	0	0	0	0	0	0	0
	point765	765	0	0	0	0	0	0	0	0	0	0	0
	point766	766	0	0	0	0	0	0	0	0	0	0	0
	point767	767	0	0	0	0	0	0	0	0	0	0	0
	point768	768	0	0	0	0	0	0	0	0	0	0	0
	point769	769	0	0	0	0	0	0	0	0	0	0	0
	point770	770	0	0	0	0	0	0	0	0	0	0	0
	point771	771	0	0	0	0	0	0	0	0	0	0	0
	point772	772	0	0	0	0	0	0	0	0	0	0	0
	point773	773	0	0	0	0	0	0	0	0	0	0	0
	point774	774	0	0	0	0	0	0	0	0	0	0	0
	point775	775	0	0	0	0	0	0	0	0	0	0	0
	point776	776	0	0	0	0	0	0	0	0	0	0	0
	point777	777	0	0	0	0	0	0	0	0	0	0	0
	point778	778	0	0	0	0	0	0	0	0	0	0	0
	point779	779	0	0	0	0	0	0	0	0	0	0	0
	point780	780	0	0	0	0	0	0	0	0	0	0	0
	point781	781	0	0	0	0	0	0	0	0	0	0	0
	point782	782	0	0	0	0	0	0	0	0	0	0	0
	point783	783	0	0	0	0	0	0	0	0	0	0	0
	point784	784	0	0	0	0	0	0	0	0	0	0	0
	point785	785	0	0	0	0	0	0	0	0	0	0	0
	point786	786	0	0	0	0	0	0	0	0	0	0	0
	point787	787	0	0	0	0	0	0	0	0	0	0	0
	point788	788	0	0	0	0	0	0	0	0	0	0	0
	point789	789	0	0	0	0	0	0	0	0	0	0	0
	point790	790	0	0	0	0	0	0	0	0	0	0	0
	point791	791	0	0	0	0	0	0	0	0	0	0	0
	point792	792	0	0	0	0	0	0	0	0	0	0	0
	point793	793	0	0	0	0	0	0	0	0	0	0	0
	point794	794	0	0	0	0	0	0	0	0	0	0	0
	point795	795	0	0	0	0	0	0	0	0	0	0	0
	point796	796	0	0	0	0	0	0	0	0	0	0	0
	point797	797											
Proctor Valley Road - Ent 8 to Melody	point876	876	690	97	45	2	45	0	0	1	45	0	0

	point877	877	690	97	45	2	45	0	0	1	45	0	0
	point878	878	690	97	45	2	45	0	0	1	45	0	0
	point879	879	690	97	45	2	45	0	0	1	45	0	0
	point880	880	690	97	45	2	45	0	0	1	45	0	0
	point450	450	690	97	45	2	45	0	0	1	45	0	0
	point452	452	690	97	45	2	45	0	0	1	45	0	0
	point746	746	690	97	45	2	45	0	0	1	45	0	0
	point747	747	690	97	45	2	45	0	0	1	45	0	0
	point748	748	690	97	45	2	45	0	0	1	45	0	0
	point749	749	690	97	45	2	45	0	0	1	45	0	0
	point750	750	690	97	45	2	45	0	0	1	45	0	0
	point751	751	690	97	45	2	45	0	0	1	45	0	0
	point752	752	690	97	45	2	45	0	0	1	45	0	0
	point753	753	690	97	45	2	45	0	0	1	45	0	0
	point754	754	690	97	45	2	45	0	0	1	45	0	0
	point755	755	690	97	45	2	45	0	0	1	45	0	0
	point756	756	690	97	45	2	45	0	0	1	45	0	0
	point757	757	690	97	45	2	45	0	0	1	45	0	0
	point758	758	690	97	45	2	45	0	0	1	45	0	0
	point759	759	690	97	45	2	45	0	0	1	45	0	0
	point760	760	690	97	45	2	45	0	0	1	45	0	0
	point761	761	690	97	45	2	45	0	0	1	45	0	0
	point762	762											
Proctor Valley Road - Proj Ent 6 to 7	point892	892	867	97	45	2	45	0	0	1	45	0	0
	point798	798	867	97	45	2	45	0	0	1	45	0	0
	point799	799	867	97	45	2	45	0	0	1	45	0	0
	point800	800	867	97	45	2	45	0	0	1	45	0	0
	point801	801	867	97	45	2	45	0	0	1	45	0	0
	point802	802	867	97	45	2	45	0	0	1	45	0	0
	point803	803	867	97	45	2	45	0	0	1	45	0	0
	point804	804	867	97	45	2	45	0	0	1	45	0	0
	point805	805	867	97	45	2	45	0	0	1	45	0	0
	point806	806	867	97	45	2	45	0	0	1	45	0	0
	point807	807	867	97	45	2	45	0	0	1	45	0	0
	point808	808	867	97	45	2	45	0	0	1	45	0	0
	point809	809	867	97	45	2	45	0	0	1	45	0	0

	point810	810	867	97	45	2	45	0	0	1	45	0	0
	point811	811	867	97	45	2	45	0	0	1	45	0	0
	point812	812	867	97	45	2	45	0	0	1	45	0	0
	point813	813	867	97	45	2	45	0	0	1	45	0	0
	point814	814	867	97	45	2	45	0	0	1	45	0	0
	point815	815	867	97	45	2	45	0	0	1	45	0	0
	point816	816	867	97	45	2	45	0	0	1	45	0	0
	point817	817	867	97	45	2	45	0	0	1	45	0	0
	point818	818	867	97	45	2	45	0	0	1	45	0	0
	point819	819	867	97	45	2	45	0	0	1	45	0	0
	point820	820	867	97	45	2	45	0	0	1	45	0	0
	point821	821	867	97	45	2	45	0	0	1	45	0	0
	point822	822	867	97	45	2	45	0	0	1	45	0	0
	point823	823	867	97	45	2	45	0	0	1	45	0	0
	point824	824	867	97	45	2	45	0	0	1	45	0	0
	point825	825	867	97	45	2	45	0	0	1	45	0	0
	point826	826	867	97	45	2	45	0	0	1	45	0	0
	point827	827	867	97	45	2	45	0	0	1	45	0	0
	point828	828	867	97	45	2	45	0	0	1	45	0	0
	point829	829	867	97	45	2	45	0	0	1	45	0	0
	point830	830	867	97	45	2	45	0	0	1	45	0	0
	point831	831	867	97	45	2	45	0	0	1	45	0	0
	point832	832	867	97	45	2	45	0	0	1	45	0	0
	point833	833	867	97	45	2	45	0	0	1	45	0	0
	point834	834	867	97	45	2	45	0	0	1	45	0	0
	point835	835	867	97	45	2	45	0	0	1	45	0	0
	point836	836	867	97	45	2	45	0	0	1	45	0	0
	point837	837	867	97	45	2	45	0	0	1	45	0	0
	point838	838	867	97	45	2	45	0	0	1	45	0	0
	point839	839	867	97	45	2	45	0	0	1	45	0	0
	point840	840	867	97	45	2	45	0	0	1	45	0	0
	point841	841	867	97	45	2	45	0	0	1	45	0	0
	point842	842	867	97	45	2	45	0	0	1	45	0	0
	point843	843	867	97	45	2	45	0	0	1	45	0	0
	point453	453	867	97	45	2	45	0	0	1	45	0	0
	point454	454	867	97	45	2	45	0	0	1	45	0	0

	point455	455	867	97	45	2	45	0	0	1	45	0	0
	point456	456	867	97	45	2	45	0	0	1	45	0	0
	point457	457	867	97	45	2	45	0	0	1	45	0	0
	point458	458	867	97	45	2	45	0	0	1	45	0	0
	point459	459	867	97	45	2	45	0	0	1	45	0	0
	point460	460											
Proctor Valley Rd - Ent 8 to Melody	point894	894	690	97	45	2	45	0	0	1	45	0	0
	point865	865	690	97	45	2	45	0	0	1	45	0	0
	point866	866	690	97	45	2	45	0	0	1	45	0	0
	point867	867	690	97	45	2	45	0	0	1	45	0	0
	point868	868	690	97	45	2	45	0	0	1	45	0	0
	point869	869	690	97	45	2	45	0	0	1	45	0	0
	point870	870	690	97	45	2	45	0	0	1	45	0	0
	point871	871	690	97	45	2	45	0	0	1	45	0	0
	point872	872	690	97	45	2	45	0	0	1	45	0	0
	point873	873	690	97	45	2	45	0	0	1	45	0	0
	point874	874	690	97	45	2	45	0	0	1	45	0	0
	point875	875	690	97	45	2	45	0	0	1	45	0	0
	point846	846											

Dudek 12 September 2017
M Greene TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 8207
RUN: OtyRchPctrVly2030wPjwMt2ndFlr0817

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 San MiguelRnchRd W of SR125	3	1	6,336,436.0	1,822,219.6	468.00	5.00	0.00	65	1.0	8.0	
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	6,339,900.0	1,821,486.4	615.00	5.00	0.00	65	1.0	8.0	
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	6,339,003.0	1,820,430.0	582.00	5.00	0.00	65	1.0	8.0	
R4 MtMglRd - Lane Ave	9	1	6,340,321.0	1,820,500.0	616.00	5.00	0.00	65	1.0	8.0	
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	6,343,360.0	1,820,300.0	634.00	5.00	0.00	65	1.0	8.0	
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	6,344,053.0	1,820,475.0	668.00	5.00	0.00	65	1.0	8.0	
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	6,344,700.5	1,819,652.4	618.00	5.00	0.00	65	1.0	8.0	
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	6,344,900.0	1,816,970.0	628.50	5.00	0.00	65	1.0	8.0	
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	6,344,665.0	1,809,346.0	479.00	5.00	0.00	65	1.0	8.0	
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	6,346,300.5	1,820,440.0	717.50	5.00	0.00	65	1.0	8.0	
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	6,348,750.5	1,819,747.5	671.50	5.00	0.00	65	1.0	8.0	
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	6,348,497.0	1,820,845.9	662.00	5.00	0.00	65	1.0	8.0	
M6 / R13 SnMglRnchRd e of SR125	29	1	6,339,505.5	1,822,497.2	625.00	5.00	0.00	65	1.0	8.0	
M8 / R14 PrctrVlly Rd n of Project	31	1	6,361,958.0	1,836,218.8	908.00	5.00	0.00	65	1.0	8.0	
M9 / R15 PrtrVllyRd-Melody Rd-SchleeC	33	1	6,368,071.5	1,836,854.1	1,024.00	5.00	0.00	65	1.0	8.0	
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	6,370,177.0	1,836,423.4	978.00	5.00	0.00	65	1.0	8.0	
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mx	37	1	6,368,788.5	1,838,925.6	1,050.00	5.00	0.00	65	1.0	8.0	
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	6,371,215.0	1,839,505.0	1,020.00	5.00	0.00	65	1.0	8.0	
R19 P-1	100	1	6,354,456.5	1,823,499.0	607.00	5.00	0.00	65	1.0	8.0	
R20 R-4 southwest side	101	1	6,354,558.0	1,823,693.1	611.50	15.00	0.00	60	1.0	8.0	Y
R21 R-4 west side	102	1	6,354,724.0	1,823,907.5	614.00	15.00	0.00	60	1.0	8.0	Y
R22 R-4 northwest side	103	1	6,354,895.0	1,824,260.4	617.50	15.00	0.00	60	1.0	8.0	Y

R23 R-5 Lot 10 southwest side	104	1	6,356,039.0	1,826,086.0	666.00	15.00	0.00	60	1.0	8.0	Y
R24 R-5 Lot 5 west side	105	1	6,356,020.5	1,826,361.2	660.40	51.00	0.00	60	1.0	8.0	Y
R25 R-5 PPP-1 northwest side	106	1	6,356,118.5	1,826,646.5	652.00	5.00	0.00	65	1.0	8.0	
R26 R-12 Park south side	107	1	6,355,945.5	1,827,033.9	655.00	5.00	0.00	65	1.0	8.0	
R27 S-1 School southwest side	108	1	6,356,228.5	1,826,927.2	654.00	5.00	0.00	65	1.0	8.0	
R28 R-12 Park north side	109	1	6,356,079.0	1,827,190.6	657.00	5.00	0.00	65	1.0	8.0	
R29 S-1 School west side	110	1	6,356,557.0	1,827,223.8	669.00	5.00	0.00	65	1.0	8.0	
R30 S-1 School northwest side	111	1	6,356,790.5	1,827,436.0	679.00	5.00	0.00	65	1.0	8.0	
R31 P-2 park	112	1	6,356,626.5	1,827,662.9	695.50	5.00	0.00	65	1.0	8.0	
R32 MU-1	113	1	6,357,022.5	1,827,640.1	696.00	15.00	0.00	65	1.0	8.0	Y
R33 R-10 Lot 6	114	1	6,358,835.5	1,829,554.6	754.00	15.00	0.00	60	1.0	8.0	Y
R34 R-10 Lot 4	115	1	6,358,922.0	1,829,724.8	761.00	15.00	0.00	60	1.0	8.0	Y
R35 R-10 Lot 2	116	1	6,358,998.0	1,829,870.5	768.50	15.00	0.00	60	1.0	8.0	Y
R36 R-11 PP-4	117	1	6,359,091.0	1,830,099.8	769.50	5.00	0.00	65	1.0	8.0	
R37 R-11 Lot 54	118	1	6,359,253.0	1,830,336.1	794.00	15.00	0.00	60	1.0	8.0	Y
R38 R-11 Lot 58	119	1	6,359,394.0	1,830,700.5	821.00	15.00	0.00	60	1.0	8.0	Y
R39 R-11 Lot 61	120	1	6,359,453.0	1,831,009.2	837.50	15.00	0.00	60	1.0	8.0	Y
R40 R-11 Lot 1	121	1	6,359,450.0	1,831,202.1	844.00	15.00	0.00	60	1.0	8.0	Y
R41 R-11 Lot 4	122	1	6,359,450.5	1,831,470.0	864.00	15.00	0.00	60	1.0	8.0	Y
R42 R-11 Lot 6	123	1	6,359,446.0	1,831,682.4	877.50	15.00	0.00	60	1.0	8.0	Y
R43 R-11 Lot 8	124	1	6,359,465.0	1,831,973.5	895.50	15.00	0.00	60	1.0	8.0	Y
R44 R-14 Lot 64	125	1	6,361,053.0	1,833,915.5	944.80	15.00	0.00	60	1.0	8.0	Y
R45 R-14 Lot 28	126	1	6,360,942.0	1,834,076.0	945.00	15.00	0.00	60	1.0	8.0	Y
R46 R-14 open space	127	1	6,361,003.5	1,834,478.8	962.00	5.00	0.00	65	1.0	8.0	
R47 R-14 Lot 27	128	1	6,360,911.0	1,834,870.4	918.80	15.00	0.00	60	1.0	8.0	Y
R48 R-14 Lot 2	129	1	6,360,871.5	1,835,014.0	915.80	15.00	0.00	60	1.0	8.0	Y
R49 R-14 Lot 1	130	1	6,360,814.5	1,834,957.2	909.70	15.00	0.00	60	1.0	8.0	Y
R50 R-14 P-4	131	1	6,360,680.5	1,835,123.4	900.00	5.00	0.00	60	1.0	8.0	
R51 R-13 Lot 1	132	1	6,360,505.0	1,835,675.9	900.00	15.00	0.00	60	0.0	8.0	Y
R52 R-13 Lot 9	133	1	6,360,673.5	1,835,730.4	898.00	15.00	0.00	60	0.0	8.0	Y
R53 R-13 Lot 8	134	1	6,360,565.5	1,835,794.2	909.70	15.00	0.00	60	0.0	8.0	Y
R54 R-13 Lot 10	135	1	6,360,785.0	1,835,859.2	903.80	15.00	0.00	60	0.0	8.0	Y
R55 R-13 Lot 11	136	1	6,361,005.5	1,836,025.0	907.00	15.00	0.00	60	0.0	8.0	Y
R56 R-13 Lot 12	138	1	6,361,179.0	1,836,059.1	906.00	15.00	0.00	66	10.0	8.0	Y

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M Greene

12 September 2017
TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 8207
RUN: OtyRchPctrVly2030wPjwMt2ndFlr0817

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 Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Barrier17	W	0.00	99.99	0.00				0.00	point223	223	6,337,800.0	1,822,229.6	534.50	6.00	0.00	0	0		
									point224	224	6,336,466.5	1,822,229.6	467.50	6.00	0.00	0	0		
									point225	225	6,335,800.0	1,822,229.6	434.00	6.00					
Barrier18	W	0.00	99.99	0.00				0.00	point226	226	6,339,890.0	1,820,650.0	594.00	6.00	0.00	0	0		
									point227	227	6,339,890.0	1,821,450.0	615.00	6.00	0.00	0	0		
									point228	228	6,339,890.0	1,822,300.0	641.00	6.00					
Barrier19	W	0.00	99.99	0.00				0.00	point229	229	6,339,430.0	1,820,440.0	582.00	6.00	0.00	0	0		
									point230	230	6,338,993.5	1,820,440.0	582.00	6.00	0.00	0	0		
									point231	231	6,338,331.0	1,820,440.0	582.00	6.00					
Barrier20	W	0.00	99.99	0.00				0.00	point232	232	6,340,965.0	1,820,510.0	637.00	6.00	0.00	0	0		
									point233	233	6,340,382.5	1,820,510.0	616.00	6.00	0.00	0	0		
									point234	234	6,339,800.0	1,820,510.0	596.00	6.00					
Barrier21	W	0.00	99.99	0.00				0.00	point235	235	6,343,350.0	1,820,550.0	642.00	6.00	0.00	0	0		
									point236	236	6,343,350.0	1,819,775.0	632.80	6.00	0.00	0	0		
									point237	237	6,343,350.0	1,819,000.0	623.50	6.00					
Barrier22	W	0.00	99.99	0.00				0.00	point238	238	6,344,725.0	1,820,485.0	672.00	6.00	0.00	0	0		
									point239	239	6,344,050.0	1,820,485.0	668.00	6.00	0.00	0	0		
									point240	240	6,343,375.0	1,820,485.0	664.00	6.00					
Barrier23	W	0.00	99.99	0.00				0.00	point241	241	6,344,710.0	1,820,182.5	644.00	6.00	0.00	0	0		
									point242	242	6,344,710.0	1,819,770.0	624.00	6.00	0.00	0	0		
									point244	244	6,344,710.0	1,819,632.5	617.33	6.00	0.00	0	0		
									point243	243	6,344,710.0	1,819,357.5	604.00	6.00					
Barrier24	W	0.00	99.99	0.00				0.00	point246	246	6,344,890.0	1,817,682.5	620.80	6.00	0.00	0	0		
									point247	247	6,344,890.0	1,816,970.0	628.50	6.00	0.00	0	0		
									point248	248	6,344,890.0	1,816,257.5	636.30	6.00					
Barrier25	W	0.00	99.99	0.00				0.00	point249	249	6,344,675.0	1,810,821.2	545.00	6.00	0.00	0	0		
									point250	250	6,344,675.0	1,809,416.0	479.00	6.00	0.00	0	0		
									point251	251	6,344,675.0	1,808,010.6	504.00	6.00					
Barrier26	W	0.00	99.99	0.00				0.00	point252	252	6,348,298.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point253	253	6,348,499.0	1,820,815.5	660.00	6.00	0.00	0	0		
									point254	254	6,348,588.0	1,820,898.6	660.00	6.00					
Barrier27	W	0.00	99.99	0.00				0.00	point255	255	6,346,800.5	1,820,450.0	730.00	6.00	0.00	0	0		
									point256	256	6,346,300.5	1,820,450.0	717.50	6.00	0.00	0	0		
									point257	257	6,345,800.5	1,820,450.0	705.00	6.00					
Barrier28	W	0.00	99.99	0.00				0.00	point258	258	6,348,760.5	1,820,171.2	652.80	6.00	0.00	0	0		

									point259	259	6,348,760.5	1,819,747.5	671.50	6.00	0.00	0	0		
									point260	260	6,348,760.5	1,819,323.8	691.30	6.00					
Wall at R-4	W	0.00	99.99	0.00				0.00	point272	272	6,354,547.5	1,823,638.4	610.60	6.00	0.00	0	0		
									point273	273	6,354,545.5	1,823,656.1	610.70	6.00	0.00	0	0		
									point274	274	6,354,536.5	1,823,681.6	611.00	6.00	0.00	0	0		
									point275	275	6,354,537.5	1,823,689.5	611.00	6.00	0.00	0	0		
									point276	276	6,354,548.0	1,823,711.9	611.30	6.00	0.00	0	0		
									point277	277	6,354,566.5	1,823,731.9	611.50	6.00	0.00	0	0		
									point278	278	6,354,598.0	1,823,770.5	612.00	6.00	0.00	0	0		
									point279	279	6,354,661.5	1,823,848.0	613.00	6.00	0.00	0	0		
									point280	280	6,354,693.0	1,823,886.9	613.50	6.00	0.00	0	0		
									point281	281	6,354,722.0	1,823,927.8	614.00	6.00	0.00	0	0		
									point282	282	6,354,748.0	1,823,970.9	614.50	6.00	0.00	0	0		
									point283	283	6,354,783.0	1,824,038.8	615.20	6.00	0.00	0	0		
									point284	284	6,354,815.0	1,824,108.4	618.00	6.00	0.00	0	0		
									point286	286	6,354,889.0	1,824,276.9	618.00	6.00	0.00	0	0		
									point287	287	6,354,893.0	1,824,278.8	618.00	6.00	0.00	0	0		
									point288	288	6,354,981.0	1,824,235.8	618.00	6.00					
Wall at R-10	W	0.00	99.99	0.00				0.00	point327	327	6,358,736.0	1,829,468.2	746.00	6.00	0.00	0	0		
									point328	328	6,358,761.0	1,829,468.1	746.00	6.00	0.00	0	0		
									point329	329	6,358,802.5	1,829,449.6	746.00	6.00	0.00	0	0		
									point330	330	6,358,840.0	1,829,511.9	746.00	6.00	0.00	0	0		
									point331	331	6,358,834.0	1,829,530.5	754.00	6.00	0.00	0	0		
									point332	332	6,358,872.5	1,829,592.1	754.00	6.00	0.00	0	0		
									point333	333	6,358,868.5	1,829,597.1	756.50	6.00	0.00	0	0		
									point334	334	6,358,913.0	1,829,668.0	756.50	6.00	0.00	0	0		
									point335	335	6,358,905.0	1,829,674.1	761.00	6.00	0.00	0	0		
									point336	336	6,358,969.0	1,829,776.6	761.00	6.00	0.00	0	0		
									point337	337	6,358,960.5	1,829,783.2	766.00	6.00	0.00	0	0		
									point338	338	6,358,983.5	1,829,818.9	766.00	6.00	0.00	0	0		
									point339	339	6,358,985.0	1,829,830.9	768.50	6.00	0.00	0	0		
									point340	340	6,359,018.5	1,829,878.4	768.50	6.00	0.00	0	0		
									point341	341	6,359,032.0	1,829,900.9	768.50	6.00	0.00	0	0		
									point342	342	6,359,034.5	1,829,927.4	768.40	6.00	0.00	0	0		
									point343	343	6,359,030.5	1,829,940.6	768.50	6.00	0.00	0	0		
									point344	344	6,359,015.5	1,829,959.6	768.50	6.00	0.00	0	0		
									point345	345	6,358,977.5	1,829,986.5	768.50	6.00					
Wall at R-11 South	W	0.00	99.99	0.00				0.00	point346	346	6,359,190.0	1,830,179.9	780.00	6.00	0.00	0	0		
									point347	347	6,359,177.0	1,830,208.4	789.00	6.00	0.00	0	0		
									point348	348	6,359,202.0	1,830,216.4	789.00	6.00	0.00	0	0		
									point349	349	6,359,206.5	1,830,221.4	789.00	6.00	0.00	0	0		
									point350	350	6,359,232.5	1,830,259.6	789.00	6.00	0.00	0	0		
									point351	351	6,359,253.5	1,830,299.6	789.00	6.00	0.00	0	0		
									point352	352	6,359,254.5	1,830,312.4	794.00	6.00	0.00	0	0		
									point353	353	6,359,289.5	1,830,383.0	794.00	6.00	0.00	0	0		
									point354	354	6,359,295.5	1,830,395.8	800.00	6.00	0.00	0	0		
									point355	355	6,359,329.5	1,830,474.2	800.00	6.00	0.00	0	0		
									point356	356	6,359,335.5	1,830,489.2	806.50	6.00	0.00	0	0		
									point357	357	6,359,364.5	1,830,567.4	806.50	6.00	0.00	0	0		

									point358	358	6,359,370.5	1,830,582.9	814.00	6.00	0.00	0	0		
									point359	359	6,359,396.0	1,830,664.1	814.00	6.00	0.00	0	0		
									point360	360	6,359,400.0	1,830,678.4	821.00	6.00	0.00	0	0		
									point361	361	6,359,421.5	1,830,761.4	821.00	6.00	0.00	0	0		
									point362	362	6,359,425.0	1,830,775.9	828.00	6.00	0.00	0	0		
									point363	363	6,359,442.5	1,830,859.9	828.00	6.00	0.00	0	0		
									point364	364	6,359,445.0	1,830,873.6	834.50	6.00	0.00	0	0		
									point366	366	6,359,459.0	1,830,965.4	837.50	6.00	0.00	0	0		
									point367	367	6,359,468.0	1,831,049.8	837.50	6.00	0.00	0	0		
									point368	368	6,359,418.5	1,831,051.6	837.50	6.00					
Wall at R-5	W	0.00	99.99	0.00				0.00	point297	297	6,356,180.5	1,825,789.4	670.00	6.00	0.00	0	0		
									point298	298	6,356,111.0	1,825,785.0	670.00	6.00	0.00	0	0		
									point299	299	6,356,097.0	1,825,787.4	670.00	6.00	0.00	0	0		
									point300	300	6,356,085.5	1,825,796.2	670.00	6.00	0.00	0	0		
									point301	301	6,356,066.0	1,825,831.0	670.00	6.00	0.00	0	0		
									point302	302	6,356,049.5	1,825,870.1	670.00	6.00	0.00	0	0		
									point303	303	6,356,034.0	1,825,924.8	670.00	6.00	0.00	0	0		
									point304	304	6,356,025.0	1,826,002.6	670.00	6.00	0.00	0	0		
									point305	305	6,356,028.5	1,826,004.6	669.30	6.00	0.00	0	0		
									point306	306	6,356,029.5	1,826,053.6	669.30	6.00	0.00	0	0		
									point307	307	6,356,024.5	1,826,060.8	666.60	6.00	0.00	0	0		
									point308	308	6,356,025.0	1,826,110.8	666.60	6.00	0.00	0	0		
									point309	309	6,356,017.5	1,826,115.4	665.40	6.00	0.00	0	0		
									point311	311	6,356,019.0	1,826,168.9	664.20	6.00	0.00	0	0		
									point312	312	6,356,019.0	1,826,225.0	663.00	6.00	0.00	0	0		
									point313	313	6,356,017.0	1,826,277.9	661.70	6.00	0.00	0	0		
									point314	314	6,356,013.5	1,826,330.0	661.70	6.00	0.00	0	0		
									point315	315	6,356,009.0	1,826,335.2	660.40	6.00	0.00	0	0		
									point316	316	6,356,010.0	1,826,384.9	660.40	6.00	0.00	0	0		
									point317	317	6,356,005.5	1,826,390.1	659.10	6.00	0.00	0	0		
									point318	318	6,356,006.0	1,826,443.6	659.10	6.00	0.00	0	0		
									point319	319	6,356,002.0	1,826,448.1	657.70	6.00	0.00	0	0		
									point320	320	6,356,003.5	1,826,508.1	656.20	6.00	0.00	0	0		
									point321	321	6,356,007.5	1,826,565.6	654.70	6.00	0.00	0	0		
									point325	325	6,356,016.0	1,826,623.4	654.70	6.00	0.00	0	0		
									point326	326	6,356,098.5	1,826,618.0	652.00	6.00					
Wall at R-11 North	W	0.00	99.99	0.00				0.00	point369	369	6,359,369.0	1,831,167.2	842.00	6.00	0.00	0	0		
									point370	370	6,359,463.0	1,831,168.9	842.00	6.00	0.00	0	0		
									point371	371	6,359,461.5	1,831,259.9	847.50	6.00	0.00	0	0		
									point372	372	6,359,460.0	1,831,352.9	847.50	6.00	0.00	0	0		
									point373	373	6,359,462.5	1,831,451.0	862.50	6.00	0.00	0	0		
									point374	374	6,359,461.5	1,831,529.0	862.50	6.00	0.00	0	0		
									point375	375	6,359,461.0	1,831,545.5	869.50	6.00	0.00	0	0		
									point376	376	6,359,459.5	1,831,622.9	869.50	6.00	0.00	0	0		
									point377	377	6,359,462.0	1,831,643.9	877.50	6.00					
Wall at R-14 Lot 28	W	0.00	99.99	0.00				0.00	point378	378	6,360,984.5	1,834,014.5	939.80	6.00	0.00	0	0		
									point379	379	6,360,926.5	1,834,015.5	944.60	6.00	0.00	0	0		
									point380	380	6,360,933.5	1,834,167.4	945.40	6.00	0.00	0	0		
									point381	381	6,360,971.5	1,834,165.6	945.30	6.00	0.00	0	0		

									point382	382	6,360,990.5	1,834,163.9	945.30	6.00						
Wall at R-14 Lot 27	W	0.00	99.99	0.00				0.00	point385	385	6,360,967.5	1,834,761.1	916.00	6.00	0.00	0	0		
									point386	386	6,360,914.0	1,834,758.2	915.90	6.00	0.00	0	0		
									point387	387	6,360,912.5	1,834,778.6	919.10	6.00	0.00	0	0		
									point388	388	6,360,903.5	1,834,860.1	918.80	6.00	0.00	0	0		
									point389	389	6,360,900.5	1,834,880.4	918.80	6.00	0.00	0	0		
									point390	390	6,360,896.5	1,834,908.0	918.80	6.00	0.00	0	0		
									point391	391	6,360,904.0	1,834,920.6	918.60	6.00	0.00	0	0		
									point392	392	6,360,918.5	1,834,928.9	918.40	6.00	0.00	0	0		
									point393	393	6,360,954.0	1,834,936.8	918.40	6.00					
Wall at R-14 Lot 2	W	0.00	99.99	0.00				0.00	point394	394	6,360,923.0	1,834,977.8	915.80	6.00	0.00	0	0		
									point395	395	6,360,889.5	1,834,973.9	915.80	6.00	0.00	0	0		
									point396	396	6,360,880.0	1,834,974.5	915.80	6.00	0.00	0	0		
									point397	397	6,360,872.5	1,834,979.4	915.90	6.00	0.00	0	0		
									point398	398	6,360,868.0	1,834,987.2	915.80	6.00	0.00	0	0		
									point400	400	6,360,849.5	1,835,055.6	915.80	6.00	0.00	0	0		
									point401	401	6,360,825.0	1,835,128.6	915.80	6.00					
Wall at R-14 Lot 1	W	0.00	99.99	0.00				0.00	point402	402	6,360,777.0	1,834,907.5	909.80	6.00	0.00	0	0		
									point403	403	6,360,790.0	1,834,921.1	909.70	6.00	0.00	0	0		
									point404	404	6,360,807.5	1,834,928.5	909.00	6.00	0.00	0	0		
									point405	405	6,360,826.5	1,834,928.2	909.40	6.00	0.00	0	0		
									point406	406	6,360,843.5	1,834,920.6	909.90	6.00	0.00	0	0		
									point407	407	6,360,821.5	1,834,972.0	909.80	6.00	0.00	0	0		
									point408	408	6,360,797.0	1,835,021.6	909.80	6.00	0.00	0	0		
									point409	409	6,360,769.0	1,835,069.6	909.80	6.00					
Wall at R-13 South	W	0.00	99.99	0.00				0.00	point410	410	6,360,467.0	1,835,664.2	899.80	6.00	0.00	0	0		
									point411	411	6,360,483.0	1,835,663.0	899.80	6.00	0.00	0	0		
									point412	412	6,360,498.0	1,835,655.8	899.80	6.00	0.00	0	0		
									point413	413	6,360,502.0	1,835,652.5	899.70	6.00	0.00	0	0		
									point414	414	6,360,558.5	1,835,729.0	899.80	6.00					
Wall at R-13 North	W	0.00	99.99	0.00				0.00	point416	416	6,360,488.5	1,835,769.2	910.00	6.00	0.00	0	0		
									point417	417	6,360,560.0	1,835,769.0	909.80	6.00	0.00	0	0		
									point418	418	6,360,587.0	1,835,800.2	909.90	6.00	0.00	0	0		
									point419	419	6,360,627.5	1,835,841.4	909.80	6.00	0.00	0	0		
									point420	420	6,360,670.5	1,835,881.9	909.80	6.00	0.00	0	0		
									point423	423	6,360,716.5	1,835,921.4	911.80	6.00	0.00	0	0		
									point424	424	6,360,776.0	1,835,970.0	911.80	6.00	0.00	0	0		
									point425	425	6,360,794.5	1,835,989.8	911.70	6.00					
Wall at R-13 North (lots 9-12)	W	0.00	99.99	0.00				0.00	point426	426	6,360,853.0	1,835,759.0	903.60	6.00	0.00	0	0		
									point427	427	6,360,600.0	1,835,670.2	896.80	6.00	0.00	0	0		
									point428	428	6,360,675.5	1,835,757.4	897.90	6.00	0.00	0	0		
									point429	429	6,360,721.0	1,835,815.4	900.00	6.00	0.00	0	0		
									point430	430	6,360,752.5	1,835,848.2	903.80	6.00	0.00	0	0		
									point431	431	6,360,778.0	1,835,871.0	903.80	6.00	0.00	0	0		
									point432	432	6,360,858.5	1,835,933.0	906.90	6.00	0.00	0	0		
									point433	433	6,360,879.5	1,835,951.2	906.90	6.00	0.00	0	0		
									point434	434	6,360,917.0	1,835,984.4	906.90	6.00	0.00	0	0		
									point435	435	6,360,973.0	1,836,021.5	906.90	6.00	0.00	0	0		
									point436	436	6,360,999.5	1,836,034.8	906.90	6.00	0.00	0	0		

									point437	437	6,361,075.5	1,836,062.0	906.90	6.00	0.00	0	0		
									point438	438	6,361,134.0	1,836,073.5	905.90	6.00	0.00	0	0		
									point440	440	6,361,220.5	1,836,075.6	902.40	6.00	0.00	0	0		
									point441	441	6,361,279.0	1,835,959.5	902.00	6.00					

Dudek			12 September 2017	
M Greene			TNM 2.5	
INPUT: TERRAIN LINES				
PROJECT/CONTRACT:	8207			
RUN:	OtyRchPctrVly2030wPjwMt2ndFlr0817			
Terrain Line	Points			
Name	No.	Coordinates (ground)		
		X	Y	Z
		ft	ft	ft
Terrain Line1	1	6,354,564.5	1,823,396.8	610.80
	3	6,354,548.5	1,823,432.6	610.00
	4	6,354,543.5	1,823,442.5	609.80
	5	6,354,537.0	1,823,451.4	609.60
	6	6,354,515.0	1,823,478.1	608.90
	7	6,354,486.0	1,823,511.4	608.00
	8	6,354,427.5	1,823,574.0	606.40
	9	6,354,424.5	1,823,575.9	606.40
	10	6,354,421.5	1,823,576.8	606.30
	11	6,354,418.5	1,823,576.6	606.30
	12	6,354,415.5	1,823,575.4	606.30
	13	6,354,413.5	1,823,573.1	606.40
	14	6,354,412.0	1,823,570.4	606.50
	15	6,354,411.5	1,823,567.2	606.60
	16	6,354,412.5	1,823,564.1	606.60
	17	6,354,421.0	1,823,544.8	607.10
	18	6,354,421.0	1,823,513.8	608.00
	19	6,354,423.5	1,823,421.2	610.00
	2	6,354,420.0	1,823,349.5	611.40
Terrain Line3	68	6,356,143.5	1,826,709.6	650.00
	70	6,356,049.5	1,826,741.2	649.90
	71	6,356,031.5	1,826,731.5	649.80
Terrain Line4	101	6,356,906.0	1,827,372.1	680.60
	103	6,356,900.5	1,827,382.2	680.70

	104	6,356,896.0	1,827,395.8	680.90
	105	6,356,894.0	1,827,409.9	681.00
	106	6,356,894.0	1,827,424.1	681.20
	107	6,356,895.0	1,827,429.8	681.20
	108	6,356,896.5	1,827,437.9	681.30
	109	6,356,896.5	1,827,440.2	681.40
	110	6,356,894.0	1,827,445.1	681.40
	111	6,356,847.0	1,827,504.2	681.40
	112	6,356,836.0	1,827,508.4	681.20
	113	6,356,832.5	1,827,510.6	681.20
	114	6,356,826.0	1,827,516.6	681.00
	115	6,356,815.5	1,827,525.6	680.80
	116	6,356,807.0	1,827,531.5	680.60
	117	6,356,802.0	1,827,533.4	680.50
	118	6,356,795.0	1,827,533.6	680.40
	119	6,356,788.5	1,827,531.5	680.30
	120	6,356,784.0	1,827,528.2	680.20
	121	6,356,773.0	1,827,517.8	680.00
	122	6,356,757.0	1,827,502.6	679.30
	123	6,356,746.5	1,827,493.4	678.90
	124	6,356,729.0	1,827,479.5	678.30
	125	6,356,711.0	1,827,466.1	677.60
	126	6,356,675.0	1,827,441.4	676.30
	127	6,356,639.5	1,827,416.1	675.00
	128	6,356,596.5	1,827,382.9	673.40
	129	6,356,509.5	1,827,312.8	670.00
	130	6,356,380.5	1,827,208.6	665.00
	131	6,356,256.0	1,827,108.2	660.80
	132	6,356,232.0	1,827,090.5	660.00
	133	6,356,183.0	1,827,034.8	657.80
	134	6,356,129.0	1,826,958.0	655.00
	135	6,356,092.5	1,826,900.8	655.20
	136	6,356,085.0	1,826,884.5	655.00
	137	6,356,093.0	1,826,867.0	653.90
	102	6,356,115.0	1,826,854.8	653.70
Terrain Line5	138	6,355,957.0	1,826,917.9	654.70

	140	6,355,985.0	1,826,924.1	654.80
	141	6,356,017.0	1,826,937.2	655.10
	142	6,356,037.5	1,826,968.8	655.40
	143	6,356,087.0	1,827,045.1	656.00
	144	6,356,134.5	1,827,106.0	658.00
	145	6,356,190.0	1,827,176.5	660.50
	139	6,356,238.5	1,827,223.4	665.00
Terrain Line6	146	6,356,522.5	1,827,491.2	683.10
	148	6,356,542.0	1,827,507.1	684.00
	149	6,356,585.0	1,827,541.5	690.00
	150	6,356,594.0	1,827,550.4	694.10
	151	6,356,689.0	1,827,625.8	696.00
	152	6,356,717.5	1,827,648.9	696.60
	153	6,356,724.0	1,827,656.5	696.80
	154	6,356,725.5	1,827,665.8	697.00
	155	6,356,738.5	1,827,694.5	697.60
	156	6,356,753.0	1,827,713.5	698.00
	157	6,356,768.5	1,827,723.2	698.20
	158	6,356,790.0	1,827,733.1	698.40
	159	6,356,822.0	1,827,735.8	698.60
	160	6,356,847.5	1,827,732.5	698.90
	161	6,356,938.5	1,827,798.4	699.80
	162	6,356,947.5	1,827,793.2	702.00
	147	6,357,200.0	1,827,986.8	702.00
Terrain Line7	163	6,357,100.5	1,827,800.8	697.00
	165	6,356,920.5	1,827,667.9	696.60
	166	6,356,910.5	1,827,654.1	696.60
	167	6,356,901.0	1,827,629.8	696.50
	168	6,356,902.5	1,827,608.1	696.50
	169	6,356,905.5	1,827,604.0	695.00
	170	6,356,906.0	1,827,602.6	695.00
	171	6,356,905.5	1,827,601.2	695.00
	164	6,356,898.5	1,827,594.0	694.60
Terrain Line10	239	6,359,479.5	1,831,999.5	895.50
	241	6,359,475.0	1,831,916.2	895.50
	242	6,359,473.5	1,831,907.2	891.50

	243	6,359,467.0	1,831,828.2	891.50
	244	6,359,467.0	1,831,809.4	884.50
	245	6,359,462.5	1,831,734.2	884.50
	246	6,359,457.5	1,831,718.8	877.50
	247	6,359,459.0	1,831,683.9	877.50
Terrain Line11	258	6,361,189.5	1,833,985.5	944.90
	260	6,361,032.0	1,833,971.0	944.90
	261	6,361,026.5	1,833,968.6	944.90
	262	6,361,023.5	1,833,963.6	944.80
	263	6,361,023.5	1,833,957.6	944.80
	264	6,361,049.0	1,833,892.4	944.80
	265	6,361,055.5	1,833,880.2	944.80
	266	6,361,064.0	1,833,869.5	944.80
	267	6,361,074.0	1,833,860.4	944.80
	268	6,361,085.5	1,833,853.0	944.80
	269	6,361,098.0	1,833,847.9	944.80
	270	6,361,113.5	1,833,844.4	944.80
	271	6,361,129.0	1,833,843.6	944.80
	272	6,361,144.5	1,833,845.4	944.80
	273	6,361,160.0	1,833,849.6	944.80
	259	6,361,174.0	1,833,856.4	944.80
Terrain Line13	281	6,361,015.0	1,834,191.0	958.40
	283	6,360,999.0	1,834,193.1	957.60
	284	6,360,983.0	1,834,194.8	955.90
	285	6,360,967.5	1,834,196.0	954.80
	286	6,360,951.5	1,834,196.9	953.20
	287	6,360,935.5	1,834,197.4	953.00
	288	6,360,942.0	1,834,226.9	955.20
	289	6,360,948.0	1,834,256.5	956.90
	290	6,360,953.5	1,834,286.1	958.40
	291	6,360,958.0	1,834,316.0	960.00
	292	6,360,962.0	1,834,347.5	962.10
	293	6,360,965.0	1,834,379.0	963.30
	294	6,360,967.0	1,834,410.5	964.00
	295	6,360,969.0	1,834,442.1	964.20
	296	6,360,970.0	1,834,469.9	963.10

	297	6,360,969.0	1,834,497.6	961.00
	298	6,360,965.0	1,834,525.1	956.00
	299	6,360,958.5	1,834,552.1	950.30
Terrain Line13-2	492	6,360,958.5	1,834,552.1	950.30
	300	6,360,913.0	1,834,758.2	915.90
Terrain Line10-2	494	6,359,460.0	1,831,683.9	877.50
	248	6,359,463.0	1,831,643.9	877.50
Terrain Line9-2	496	6,359,180.5	1,830,207.6	789.00
	227	6,359,200.0	1,830,179.1	780.00
	228	6,359,191.0	1,830,161.2	771.00
	229	6,359,160.0	1,830,089.6	770.00
	230	6,359,151.0	1,830,071.2	769.70
	231	6,359,148.0	1,830,050.0	769.30
	232	6,359,138.5	1,830,034.4	769.00
	233	6,359,122.5	1,830,023.9	768.80
	234	6,359,091.5	1,830,015.8	768.40
	235	6,359,041.5	1,830,028.1	768.20
	236	6,359,000.0	1,830,046.5	768.70
	237	6,358,984.5	1,830,068.4	769.00
	238	6,358,978.5	1,830,077.9	769.20
	203	6,358,971.5	1,830,084.4	769.40
Terrain Line3-2	497	6,356,031.5	1,826,731.5	649.80
	72	6,356,015.5	1,826,623.4	654.70

Dudek
M Greene

12 September 2017
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 8207
RUN: OtyRchPctrVly2030wPjwMt2ndFlr0817
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 San MiguelRnchRd W of SR125	3	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R2 MtMiguelRd - ProctorVlly-SnMgl	5	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R3 PrctrVlly Rd SR15 - MtMiguelRd	7	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R4 MtMglRd - Lane Ave	9	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R5 Lane Ave - PrctrVllyRd-OtayLksRd	11	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R6 PrctrVllyRd-Lane Ave-HuntePkwy	13	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R7 HuntePkwy-PrctrVllyRd-OtyLksRd	15	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R8 HuntePkwy-OtyLksRd-OlmpcPkwy	17	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R9 HuntePkwy-OlmpcPkwy-EastlkPkwy	19	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R10 PrctrVllyRd-HuntePkyw-Nrthwd	21	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R11 NrthwdsDr-ProctrVlly-BlueRdgDr	23	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M4 / R12 PrctrVlly Rd w of NrthwdsDr	27	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M6 / R13 SnMglRnchRd e of SR125	29	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M8 / R14 PrctrVlly Rd n of Project	31	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M9 / R15 PrtrVllyRd-Melody Rd-SchleeCyn	33	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M10 / R16 MldyRd - PrctrVllyRd - SR-94	35	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
M11 / R17 PrctrVllyRd-SchleeCyn Rd-Mxfl	37	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R18 PrctrVllyRd - MaxfieldRd to SR-94	39	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R19 P-1	100	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R20 R-4 southwest side	101	1	0.0	68.7	60	68.7	1	Snd Lvl	68.7	0.0	8	-8.0
R21 R-4 west side	102	1	0.0	69.0	60	69.0	1	Snd Lvl	69.0	0.0	8	-8.0
R22 R-4 northwest side	103	1	0.0	69.2	60	69.2	1	Snd Lvl	69.2	0.0	8	-8.0
R23 R-5 Lot 10 southwest side	104	1	0.0	67.0	60	67.0	1	Snd Lvl	67.0	0.0	8	-8.0
R24 R-5 Lot 5 west side	105	1	0.0	67.7	60	67.7	1	Snd Lvl	67.7	0.0	8	-8.0

R25 R-5 PPP-1 northwest side	106	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R26 R-12 Park south side	107	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R27 S-1 School southwest side	108	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R28 R-12 Park north side	109	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R29 S-1 School west side	110	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R30 S-1 School northwest side	111	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R31 P-2 park	112	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R32 MU-1	113	1	0.0	64.2	65	64.2	1	----	64.2	0.0	8	-8.0
R33 R-10 Lot 6	114	1	0.0	67.2	60	67.2	1	Snd Lvl	67.2	0.0	8	-8.0
R34 R-10 Lot 4	115	1	0.0	67.0	60	67.0	1	Snd Lvl	67.0	0.0	8	-8.0
R35 R-10 Lot 2	116	1	0.0	66.8	60	66.8	1	Snd Lvl	66.8	0.0	8	-8.0
R36 R-11 PP-4	117	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R37 R-11 Lot 54	118	1	0.0	66.1	60	66.1	1	Snd Lvl	66.1	0.0	8	-8.0
R38 R-11 Lot 58	119	1	0.0	66.2	60	66.2	1	Snd Lvl	66.2	0.0	8	-8.0
R39 R-11 Lot 61	120	1	0.0	66.1	60	66.1	1	Snd Lvl	66.1	0.0	8	-8.0
R40 R-11 Lot 1	121	1	0.0	65.1	60	65.1	1	Snd Lvl	65.1	0.0	8	-8.0
R41 R-11 Lot 4	122	1	0.0	64.3	60	64.3	1	Snd Lvl	64.3	0.0	8	-8.0
R42 R-11 Lot 6	123	1	0.0	59.9	60	59.9	1	----	59.9	0.0	8	-8.0
R43 R-11 Lot 8	124	1	0.0	55.4	60	55.4	1	----	55.4	0.0	8	-8.0
R44 R-14 Lot 64	125	1	0.0	59.7	60	59.7	1	----	59.7	0.0	8	-8.0
R45 R-14 Lot 28	126	1	0.0	66.7	60	66.7	1	Snd Lvl	66.7	0.0	8	-8.0
R46 R-14 open space	127	1	0.0	0.0	65	0.0	1	inactive	0.0	0.0	8	0.0
R47 R-14 Lot 27	128	1	0.0	67.6	60	67.6	1	Snd Lvl	67.6	0.0	8	-8.0
R48 R-14 Lot 2	129	1	0.0	66.9	60	66.9	1	Snd Lvl	66.9	0.0	8	-8.0
R49 R-14 Lot 1	130	1	0.0	66.9	60	66.9	1	Snd Lvl	66.9	0.0	8	-8.0
R50 R-14 P-4	131	1	0.0	0.0	60	0.0	1	inactive	0.0	0.0	8	0.0
R51 R-13 Lot 1	132	1	0.0	65.2	60	65.2	0	Snd Lvl	65.2	0.0	8	-8.0
R52 R-13 Lot 9	133	1	0.0	64.9	60	64.9	0	Snd Lvl	64.9	0.0	8	-8.0
R53 R-13 Lot 8	134	1	0.0	64.0	60	64.0	0	Snd Lvl	64.0	0.0	8	-8.0
R54 R-13 Lot 10	135	1	0.0	65.9	60	65.9	0	Snd Lvl	65.9	0.0	8	-8.0
R55 R-13 Lot 11	136	1	0.0	66.3	60	66.3	0	Snd Lvl	66.3	0.0	8	-8.0
R56 R-13 Lot 12	138	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0

Dwelling Units	**# DUs**	**Noise Reduction**		
		Min	**Avg**	**Max**
		dB	**dB**	**dB**
All Selected	56	0.0	0.0	0.0
All Impacted	22	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0