



LSC TRANSPORTATION CONSULTANTS, INC.
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Colorado Springs, CO 80909
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June 11, 2021

Mr. Charles C. Crum, P.E.
M.V.E. Inc.
1903 Lelaray Street, Suite 200
Colorado Springs, CO 80909

RE: Viewpoint Estates Lots 71 & 72
Noise Impact Study
El Paso County, Colorado
LSC #204381

Dear Mr. Crum:

In response to your request, LSC Transportation Consultants, Inc. has completed a detailed analysis of the noise impacts of State Highway (SH) 94 on the proposed replat of the existing residential lots within the Viewpoint Estates Development. The site is located north of SH 94 in El Paso County, Colorado. LSC has completed an evaluation of the noise exposure for submittal to El Paso County and the Colorado Department of Transportation in accordance with the Federal Highway Administration (FHWA) requirements.

LSC used the software program Traffic Noise Model Version 2.5, developed by FHWA, to predict the noise levels at each of the seven new lots to be located adjacent to SH 94. A noise receiver was placed on each lot in the vicinity of the driveway location about 100 feet south of the northern property line as all the homes are to be constructed no farther to the south. An elevation of five feet was assumed for the height of each receiver. The receiver locations are shown in Figure 1.

The input data for the noise predictions included traffic volumes, roadway geometry, topographic elevations, and the locations of the receivers. The analysis was completed using the projected 2041 afternoon peak-hour traffic volumes shown in Figure 2. The 2041 traffic volumes are estimates by LSC, based on the manual turning-movement counts conducted at the intersection of SH 94/Antelope Drive in 2018, the CDOT twenty-year growth factor for SH 94 adjacent to the site, and estimates of traffic projected to be generated by known developments within the vicinity of the site including this rezone and Ellicott Town Center Filings 1 through 3. The noise analysis inputs and outputs are attached.

The results of the noise prediction were compared to the noise abatement criteria contained in Exhibit 1 of the *Colorado Department of Transportation Noise Analysis and Abatement Guidelines* dated January 15, 2015. The proposed residential areas would be considered Category "B" land uses. The threshold for exterior noise level for Category B is 66 decibels Leq(h). The results of the noise prediction show that in the year 2041, all of the receiver locations have predicted noise levels that would **not** exceed 66 decibels Leq(h) and therefore noise mitigation would not be required.

* * * * *

Please contact me if you have any questions or need further assistance.

Respectfully submitted,

LSC TRANSPORTATION CONSULTANTS, INC.


By: Kirstin D. Ferrin, P.E.
Senior Transportation Engineer



KDF:jas

Enclosures: Figure 1
Traffic Count Data
Colorado Department of Transportation Straight Line Diagram
Noise Analysis Inputs/Outputs

Figures

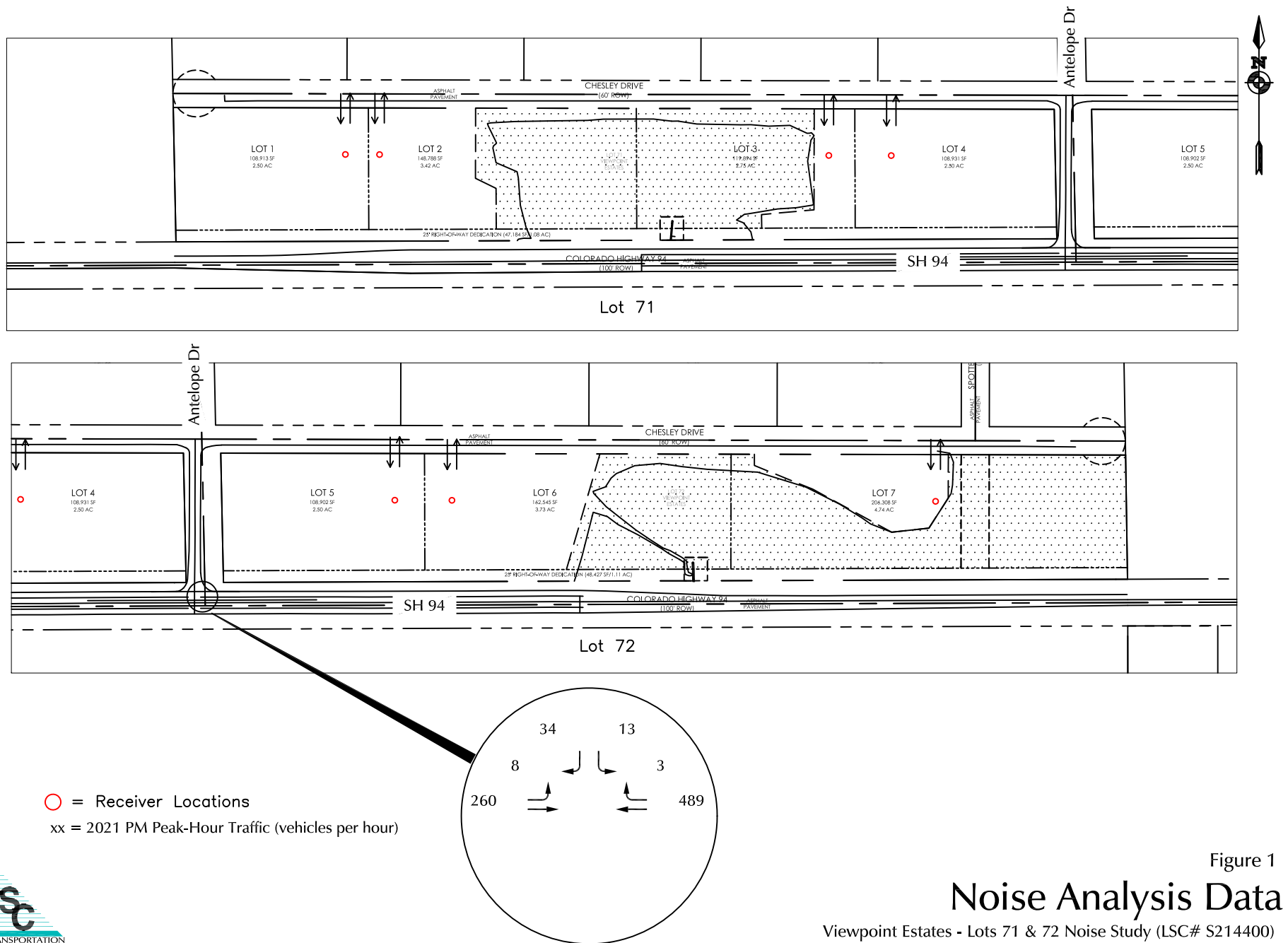


Figure 1
Noise Analysis Data
 Viewpoint Estates - Lots 71 & 72 Noise Study (LSC# S214400)

Traffic Counts

LSC Transportation Consultants, Inc.

545 E Pikes Peak Ave, Suite 210
Colorado Springs, CO 80905
719-633-2868

File Name : Antelope Dr - Hwy 94 AM

Site Code : 184800

Start Date : 8/30/2018

Page No : 1

Groups Printed- Unshifted

	Antelope Dr Southbound				Hwy 94 Westbound				Northbound				Hwy 94 Eastbound				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:30	2	0	5	0	0	66	0	0	0	0	0	0	3	14	0	0	90
06:45	1	0	9	0	0	73	1	0	0	0	0	0	2	26	0	0	112
Total	3	0	14	0	0	139	1	0	0	0	0	0	5	40	0	0	202
07:00	1	0	12	0	0	83	0	0	0	0	0	0	2	27	0	0	125
07:15	6	0	6	0	0	68	0	0	0	0	0	0	1	56	0	0	137
07:30	4	0	7	0	0	69	0	0	0	0	0	0	2	38	0	0	120
07:45	0	0	6	0	0	83	2	0	0	0	0	0	2	29	0	0	122
Total	11	0	31	0	0	303	2	0	0	0	0	0	7	150	0	0	504
08:00	1	0	5	0	0	53	1	0	0	0	0	0	2	16	0	0	78
08:15	1	0	5	0	0	51	1	0	0	0	0	0	3	19	0	0	80
Grand Total	16	0	55	0	0	546	5	0	0	0	0	0	17	225	0	0	864
Apprch %	22.5	0	77.5	0	0	99.1	0.9	0	0	0	0	0	7	93	0	0	
Total %	1.9	0	6.4	0	0	63.2	0.6	0	0	0	0	0	2	26	0	0	

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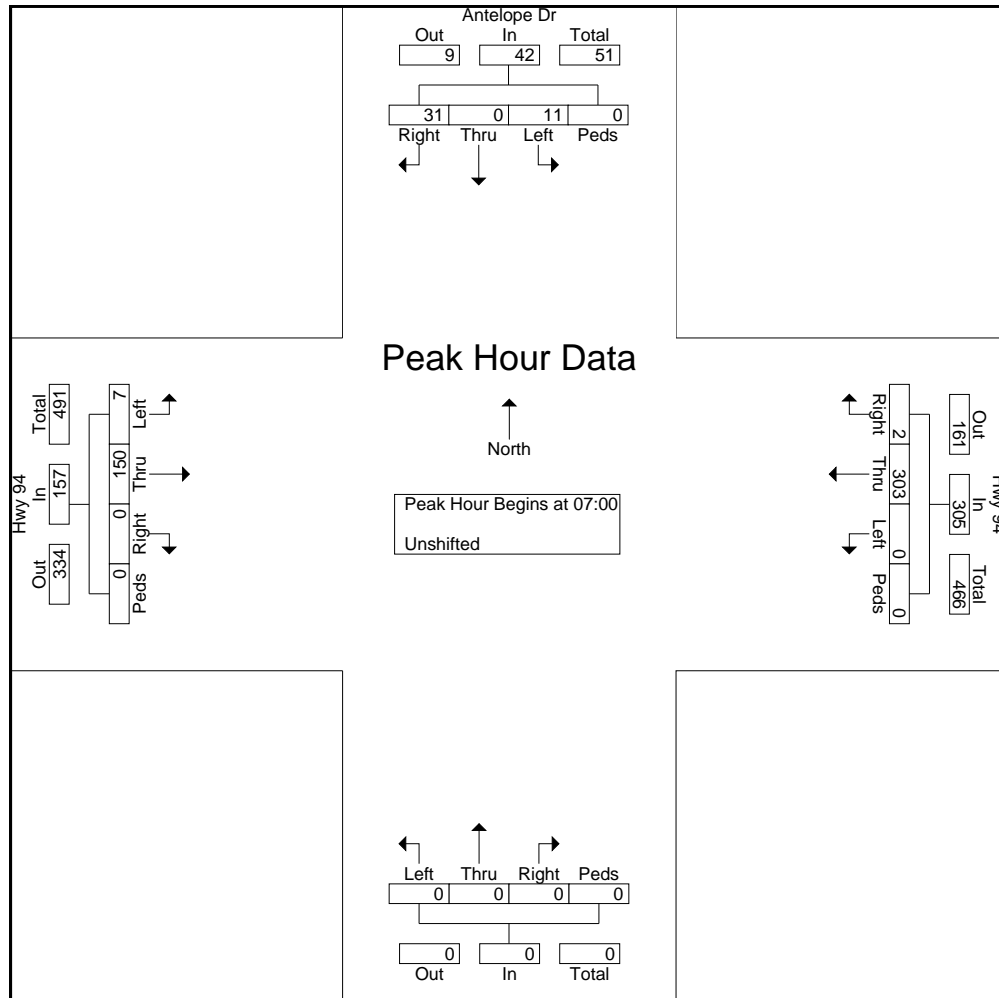
File Name : Antelope Dr - Hwy 94 AM

Site Code : 184800

Start Date : 8/30/2018

Page No : 2

	Antelope Dr Southbound					Hwy 94 Westbound					Northbound					Hwy 94 Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 to 08:15 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	1	0	12	0	13	0	83	0	0	83	0	0	0	0	0	2	27	0	0	29	125
07:15	6	0	6	0	12	0	68	0	0	68	0	0	0	0	0	1	56	0	0	57	137
07:30	4	0	7	0	11	0	69	0	0	69	0	0	0	0	0	2	38	0	0	40	120
07:45	0	0	6	0	6	0	83	2	0	85	0	0	0	0	0	2	29	0	0	31	122
Total Volume	11	0	31	0	42	0	303	2	0	305	0	0	0	0	0	7	150	0	0	157	504
% App. Total	26.2	0	73.8	0		0	99.3	0.7	0		0	0	0	0		4.5	95.5	0	0		
PHF	.458	.000	.646	.000	.808	.000	.913	.250	.000	.897	.000	.000	.000	.000	.000	.875	.670	.000	.000	.689	.920



LSC Transportation Consultants, Inc.

545 E Pikes Peak Ave, Suite 210

Colorado Springs, CO 80905

719-633-2868

File Name : Antelope Dr - Hwy 94 PM

Site Code : 184800

Start Date : 8/30/2018

Page No : 1

Groups Printed- Unshifted

	Antelope Dr Southbound				Hwy 94 Westbound				Northbound				Hwy 94 Eastbound				Int. Total
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	3	0	5	0	0	74	2	0	0	0	0	0	2	46	0	0	132
16:15	1	0	0	0	0	57	4	0	0	0	0	0	7	58	0	0	127
16:30	1	0	6	0	0	37	2	0	0	0	0	0	10	58	0	0	114
16:45	2	0	1	0	0	41	1	0	0	0	0	0	5	56	0	0	106
Total	7	0	12	0	0	209	9	0	0	0	0	0	24	218	0	0	479
17:00	1	0	1	0	0	35	0	0	0	0	0	0	7	81	0	0	125
17:15	1	0	3	0	0	31	2	0	0	0	0	0	2	64	0	0	103
17:30	2	0	2	0	0	20	1	0	0	0	0	0	12	69	0	0	106
17:45	2	0	0	0	0	26	0	0	0	0	0	0	8	74	0	0	110
Total	6	0	6	0	0	112	3	0	0	0	0	0	29	288	0	0	444
Grand Total	13	0	18	0	0	321	12	0	0	0	0	0	53	506	0	0	923
Apprch %	41.9	0	58.1	0	0	96.4	3.6	0	0	0	0	0	9.5	90.5	0	0	
Total %	1.4	0	2	0	0	34.8	1.3	0	0	0	0	0	5.7	54.8	0	0	

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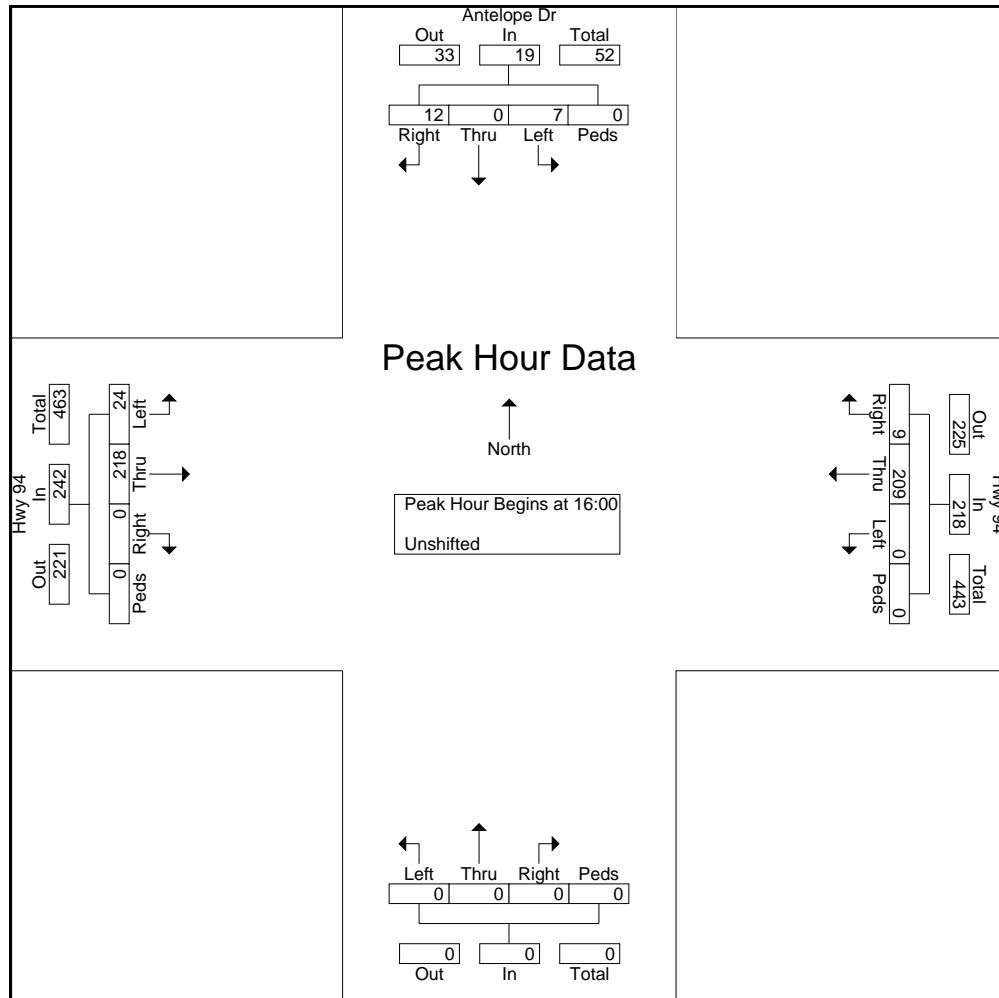
File Name : Antelope Dr - Hwy 94 PM

Site Code : 184800

Start Date : 8/30/2018

Page No : 2

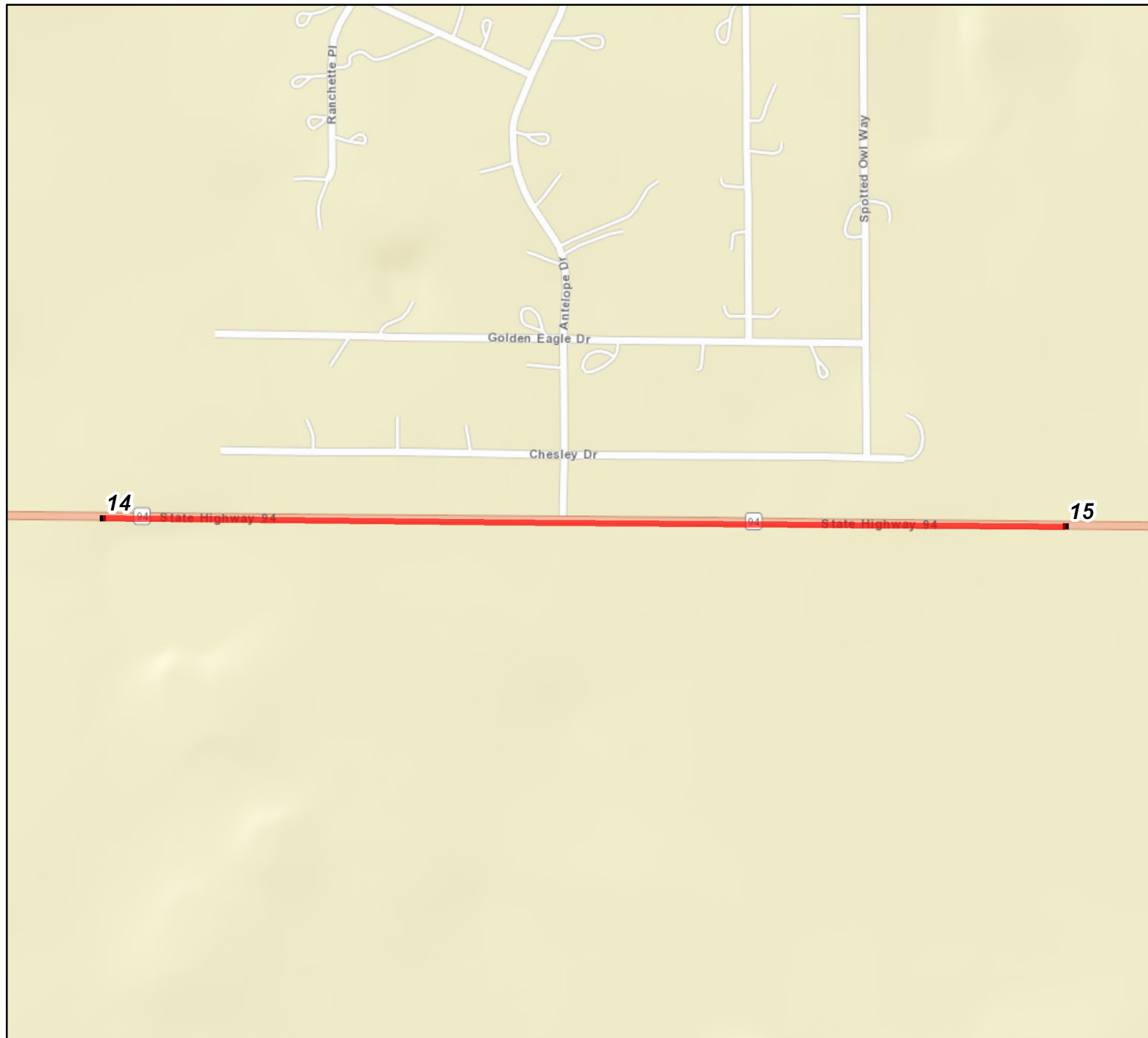
	Antelope Dr Southbound					Hwy 94 Westbound					Northbound					Hwy 94 Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:00																					
16:00	3	0	5	0	8	0	74	2	0	76	0	0	0	0	0	2	46	0	0	48	132
16:15	1	0	0	0	1	0	57	4	0	61	0	0	0	0	0	7	58	0	0	65	127
16:30	1	0	6	0	7	0	37	2	0	39	0	0	0	0	0	10	58	0	0	68	114
16:45	2	0	1	0	3	0	41	1	0	42	0	0	0	0	0	5	56	0	0	61	106
Total Volume	7	0	12	0	19	0	209	9	0	218	0	0	0	0	0	24	218	0	0	242	479
% App. Total	36.8	0	63.2	0		0	95.9	4.1	0		0	0	0	0		9.9	90.1	0	0		
PHF	.583	.000	.500	.000	.594	.000	.706	.563	.000	.717	.000	.000	.000	.000	.000	.600	.940	.000	.000	.890	.907



Colorado Department of Transportation Straight Line Diagram



Route 094A From 14 to 15



Legend

Route

Milepoint

Structures

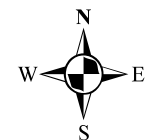
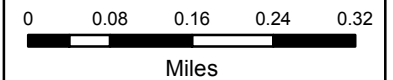
Major Structure

Minor Structure

Created:

Date: 6/10/2021

Time: 12:50:14 PM



The information contained in this map is based on the most currently available data and has been checked for accuracy. CDOT does not guarantee the accuracy of any information presented, is not liable in any respect for any errors or omissions, and is not responsible for determining "fitness for use".

Route 094A
From 14 To 15



- Ramps



Overpass



- Underpass

- Structures

CLASSIFICATION

Access Control	NR-A: Non-Rural Principal Highway
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SAFETY

Primary Speed Limit	65
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TRAFFIC

AADT	4100
DHV	11.0
Off Peak Truck Percentage	6.60
Peak Truck Percentage	0.50
Year 20 Factor	1.19

It may appear that information is missing from the straight line diagram. If so, reduce the number of miles/page and re-submit the request.

Noise Analysis Inputs/Outputs

Viewpoint Estates

10 June 2021

INPUT: TRAFFIC FOR LAeq1h Volumes
Viewpoint Estates

LSC													
KDF													
INPUT: TRAFFIC FOR LAeq1h Volumes			10 June 2021										
PROJECT/CONTRACT:			TNM 2.5										
RUN:													
Viewpoint Estates													
2041 PM Peak Hour													
Roadway	Points												
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles		
			Autos										
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
SH 94 WB E/O Antelope Dr	point1	1	357	65	15	65	10	65	0	0	0	0	
	point58	58	357	65	15	65	10	65	0	0	0	0	
	point59	59	357	65	15	65	10	65	0	0	0	0	
	point60	60	357	65	15	65	10	65	0	0	0	0	
	point61	61	357	65	15	65	10	65	0	0	0	0	
	point62	62	357	65	15	65	10	65	0	0	0	0	
	point63	63	357	65	15	65	10	65	0	0	0	0	
	point64	64	357	65	15	65	10	65	0	0	0	0	
	point65	65	357	65	15	65	10	65	0	0	0	0	
	point2	2											
SH 94 WB Thru	point3	3	344	65	14	65	10	65	0	0	0	0	
	point66	66	344	65	14	65	10	65	0	0	0	0	
	point67	67	344	65	14	65	10	65	0	0	0	0	
	point68	68	344	65	14	65	10	65	0	0	0	0	
	point69	69	344	65	14	65	10	65	0	0	0	0	
	point70	70	344	65	14	65	10	65	0	0	0	0	
	point71	71	344	65	14	65	10	65	0	0	0	0	
	point72	72	344	65	14	65	10	65	0	0	0	0	
	point73	73	344	65	14	65	10	65	0	0	0	0	
	point74	74	344	65	14	65	10	65	0	0	0	0	
	point75	75	344	65	14	65	10	65	0	0	0	0	
	point76	76	344	65	14	65	10	65	0	0	0	0	
	point77	77	344	65	14	65	10	65	0	0	0	0	

INPUT: TRAFFIC FOR LAeq1h Volumes
Viewpoint Estates

	point78	78	344	65	14	65	10	65	0	0	0	0
	point79	79	344	65	14	65	10	65	0	0	0	0
	point80	80	344	65	14	65	10	65	0	0	0	0
	point81	81	344	65	14	65	10	65	0	0	0	0
	point4	4										
SH 94 WB W/O Antelope Dr	point6	6	354	65	15	65	10	65	0	0	0	0
	point94	94	354	65	15	65	10	65	0	0	0	0
	point95	95	354	65	15	65	10	65	0	0	0	0
	point96	96	354	65	15	65	10	65	0	0	0	0
	point82	82	354	65	15	65	10	65	0	0	0	0
	point83	83	354	65	15	65	10	65	0	0	0	0
	point84	84	354	65	15	65	10	65	0	0	0	0
	point85	85	354	65	15	65	10	65	0	0	0	0
	point86	86	354	65	15	65	10	65	0	0	0	0
	point87	87	354	65	15	65	10	65	0	0	0	0
	point88	88	354	65	15	65	10	65	0	0	0	0
	point89	89										
SH 94 EB W/O Antelope Dr	point8	8	413	65	17	65	12	65	0	0	0	0
	point33	33	878	65	18	65	9	65	0	0	0	0
	point34	34	878	65	18	65	9	65	0	0	0	0
	point10	10	878	65	18	65	9	65	0	0	0	0
	point11	11	878	65	18	65	9	65	0	0	0	0
	point27	27	878	65	18	65	9	65	0	0	0	0
	point28	28	878	65	18	65	9	65	0	0	0	0
	point29	29	878	65	18	65	9	65	0	0	0	0
	point30	30	878	65	18	65	9	65	0	0	0	0
	point31	31	878	65	18	65	9	65	0	0	0	0
	point32	32	878	65	18	65	9	65	0	0	0	0
	point9	9										
SH 94 EB Thru	point12	12	388	65	16	65	11	65	0	0	0	0
	point35	35	388	65	16	65	11	65	0	0	0	0
	point36	36	388	65	16	65	11	65	0	0	0	0
	point37	37	388	65	16	65	11	65	0	0	0	0
	point38	38	388	65	16	65	11	65	0	0	0	0
	point39	39	388	65	16	65	11	65	0	0	0	0
	point40	40	388	65	16	65	11	65	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Viewpoint Estates

	point41	41	388	65	16	65	11	65	0	0	0	0
	point42	42	388	65	16	65	11	65	0	0	0	0
	point43	43	388	65	16	65	11	65	0	0	0	0
	point44	44	388	65	16	65	11	65	0	0	0	0
	point45	45	388	65	16	65	11	65	0	0	0	0
	point46	46	388	65	16	65	11	65	0	0	0	0
	point47	47	388	65	16	65	11	65	0	0	0	0
	point48	48	388	65	16	65	11	65	0	0	0	0
	point49	49	388	65	16	65	11	65	0	0	0	0
	point50	50	388	65	16	65	11	65	0	0	0	0
	point13	13										
SH 94 EB E/O Antelope Dr	point14	14	396	65	17	65	11	65	0	0	0	0
	point16	16	396	65	17	65	11	65	0	0	0	0
	point51	51	396	65	17	65	11	65	0	0	0	0
	point52	52	396	65	17	65	11	65	0	0	0	0
	point53	53	396	65	17	65	11	65	0	0	0	0
	point54	54	396	65	17	65	11	65	0	0	0	0
	point55	55	396	65	17	65	11	65	0	0	0	0
	point56	56	396	65	17	65	11	65	0	0	0	0
	point57	57	396	65	17	65	11	65	0	0	0	0
	point15	15										
SH 94 EB LT	point18	18	25	65	2	65	0	0	0	0	0	0
	point97	97	25	65	2	65	0	0	0	0	0	0
	point98	98	25	65	2	65	0	0	0	0	0	0
	point99	99	25	65	2	65	0	0	0	0	0	0
	point100	100	25	65	2	65	0	0	0	0	0	0
	point101	101	25	65	2	65	0	0	1	0	0	0
	point19	19										
SH 94 EB LT Accel	point20	20	9	65	0	0	0	0	0	0	0	0
	point102	102	9	65	0	0	0	0	0	0	0	0
	point103	103	9	65	0	0	0	0	0	0	0	0
	point104	104	9	65	0	0	0	0	0	0	0	0
	point105	105	9	65	0	0	0	0	0	0	0	0
	point106	106	9	65	0	0	0	0	0	0	0	0
	point107	107	9	65	0	0	0	0	0	0	0	0
	point108	108	9	65	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Viewpoint Estates**

	point109	109	9	65	0	0	0	0	0	0	0	0
	point110	110	9	65	0	0	0	0	0	0	0	0
	point111	111	9	65	0	0	0	0	0	0	0	0
	point112	112	9	65	0	0	0	0	0	0	0	0
	point21	21										
SH 94 WB RT	point22	22	11	65	0	0	0	0	0	0	0	0
	point113	113	11	65	0	0	0	0	0	0	0	0
	point114	114	11	65	0	0	0	0	0	0	0	0
	point115	115	11	65	0	0	0	0	0	0	0	0
	point116	116	11	65	0	0	0	0	0	0	0	0
	point117	117	11	65	0	0	0	0	0	0	0	0
	point118	118	11	65	0	0	0	0	0	0	0	0
	point119	119	11	65	0	0	0	0	0	0	0	0
	point120	120	11	65	0	0	0	0	0	0	0	0
	point121	121	11	65	0	0	0	0	0	0	0	0
	point122	122	11	65	0	0	0	0	0	0	0	0
	point123	123	11	65	0	0	0	0	0	0	0	0
	point23	23										
SH 94 WB RT Accel	point25	25	13	65	1	65	0	0	0	0	0	0
	point124	124	13	65	1	65	0	0	0	0	0	0
	point125	125	13	65	1	65	0	0	0	0	0	0
	point126	126	13	65	1	65	0	0	0	0	0	0
	point127	127	13	65	1	65	0	0	0	0	0	0
	point128	128	13	65	1	65	0	0	0	0	0	0
	point26	26										

INPUT: ROADWAYS
Viewpoint Estates

LSC											
KDF											
INPUT: ROADWAYS				10 June 2021							
PROJECT/CONTRACT:				TNM 2.5							
RUN:											
Viewpoint Estates				Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA							
2041 PM Peak Hour											
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
SH 94 WB E/O Antelope Dr	12.0	point1	1	4,143.4	2,228.9	6,040.00				Average	
		point58	58	3,538.2	2,226.7	6,045.00				Average	
		point59	59	3,485.6	2,226.7	6,046.00				Average	
		point60	60	3,387.5	2,226.2	6,047.00				Average	
		point61	61	3,288.0	2,226.7	6,048.00				Average	
		point62	62	2,935.8	2,224.5	6,049.00				Average	
		point63	63	2,517.2	2,223.0	6,050.00				Average	
		point64	64	2,462.6	2,222.8	6,051.00				Average	
		point65	65	2,411.5	2,222.6	6,052.00				Average	
		point2	2	2,365.0	2,222.6	6,053.00					
SH 94 WB Thru	12.0	point3	3	2,359.0	2,222.6	6,053.00				Average	
		point66	66	2,306.1	2,222.8	6,054.00				Average	
		point67	67	2,253.9	2,222.4	6,055.00				Average	
		point68	68	2,201.4	2,222.2	6,056.00				Average	
		point69	69	2,149.1	2,221.6	6,057.00				Average	
		point70	70	2,100.2	2,221.3	6,058.00				Average	
		point71	71	2,055.5	2,221.1	6,059.00				Average	
		point72	72	2,010.1	2,221.0	6,060.00				Average	
		point73	73	1,954.9	2,220.9	6,061.00				Average	
		point74	74	1,890.4	2,220.8	6,062.00				Average	
		point75	75	1,802.6	2,220.9	6,063.00				Average	
		point76	76	1,693.3	2,220.7	6,064.00				Average	
		point77	77	1,431.7	2,219.8	6,064.00				Average	
		point78	78	1,228.3	2,218.7	6,063.00				Average	
		point79	79	1,090.3	2,218.3	6,062.00				Average	

INPUT: ROADWAYS
Viewpoint Estates

		point80	80	953.6	2,218.0	6,061.00				Average	
		point81	81	758.3	2,217.6	6,060.00				Average	
		point4	4	655.4	2,217.5	6,060.00					
SH 94 WB W/O Antelope Dr	12.0	point6	6	649.4	2,217.5	6,060.00				Average	
		point94	94	518.3	2,216.5	6,061.00				Average	
		point95	95	409.3	2,215.6	6,062.00				Average	
		point96	96	322.2	2,214.9	6,063.00				Average	
		point82	82	231.1	2,214.2	6,064.00				Average	
		point83	83	151.1	2,213.6	6,065.00				Average	
		point84	84	47.8	2,213.4	6,066.00				Average	
		point85	85	-28.5	2,213.3	6,067.00				Average	
		point86	86	-92.7	2,213.2	6,068.00				Average	
		point87	87	-212.1	2,213.0	6,069.00				Average	
		point88	88	-319.2	2,212.7	6,070.00				Average	
		point89	89	-797.0	2,211.3	6,075.00					
SH 94 EB W/O Antelope Dr	12.0	point8	8	-797.0	2,199.3	6,075.00				Average	
		point33	33	-319.2	2,199.7	6,070.00				Average	
		point34	34	-212.1	2,197.3	6,069.00				Average	
		point10	10	-92.6	2,194.6	6,068.00				Average	
		point11	11	-28.4	2,193.2	6,067.00				Average	
		point27	27	47.9	2,191.5	6,066.00				Average	
		point28	28	151.2	2,189.6	6,065.00				Average	
		point29	29	231.1	2,190.2	6,064.00				Average	
		point30	30	322.3	2,190.9	6,063.00				Average	
		point31	31	409.4	2,191.6	6,062.00				Average	
		point32	32	518.4	2,192.5	6,061.00				Average	
		point9	9	649.4	2,193.5	6,060.00					
SH 94 EB Thru	12.0	point12	12	655.4	2,193.5	6,060.00				Average	
		point35	35	758.4	2,193.7	6,060.00				Average	
		point36	36	953.7	2,194.0	6,061.00				Average	
		point37	37	1,090.4	2,194.3	6,062.00				Average	
		point38	38	1,228.4	2,194.7	6,063.00				Average	
		point39	39	1,431.8	2,195.8	6,064.00				Average	
		point40	40	1,693.4	2,196.6	6,064.00				Average	
		point41	41	1,802.7	2,196.9	6,063.00				Average	
		point42	42	1,890.5	2,196.8	6,062.00				Average	
		point43	43	1,954.9	2,196.9	6,061.00				Average	
		point44	44	2,010.2	2,197.0	6,060.00				Average	
		point45	45	2,055.6	2,197.1	6,059.00				Average	

INPUT: ROADWAYS
Viewpoint Estates

		point46	46	2,100.3	2,197.3	6,058.00				Average	
		point47	47	2,149.2	2,197.6	6,057.00				Average	
		point48	48	2,201.4	2,198.2	6,056.00				Average	
		point49	49	2,254.0	2,198.4	6,055.00				Average	
		point50	50	2,306.2	2,198.8	6,054.00				Average	
		point13	13	2,353.1	2,198.6	6,053.00					
SH 94 EB E/O Antelope Dr	12.0	point14	14	2,359.1	2,198.6	6,053.00				Average	
		point16	16	2,411.6	2,199.0	6,052.00				Average	
		point51	51	2,462.7	2,199.7	6,051.00				Average	
		point52	52	2,517.3	2,200.5	6,050.00				Average	
		point53	53	2,935.8	2,206.3	6,049.00				Average	
		point54	54	3,288.1	2,211.3	6,048.00				Average	
		point55	55	3,387.6	2,212.6	6,047.00				Average	
		point56	56	3,485.6	2,214.0	6,046.00				Average	
		point57	57	3,538.3	2,214.7	6,045.00				Average	
		point15	15	4,143.4	2,216.9	6,040.00					
SH 94 EB LT	12.0	point18	18	649.4	2,205.5	6,060.00				Average	
		point97	97	758.4	2,205.6	6,060.00				Average	
		point98	98	953.7	2,206.0	6,061.00				Average	
		point99	99	1,090.4	2,206.3	6,062.00				Average	
		point100	100	1,228.3	2,206.7	6,063.00				Average	
		point101	101	1,431.8	2,207.8	6,064.00				Average	
		point19	19	1,525.4	2,208.5	6,064.50					
SH 94 EB LT Accel	12.0	point20	20	1,552.1	2,208.4	6,064.50				Average	
		point102	102	1,693.3	2,208.7	6,064.00				Average	
		point103	103	1,802.6	2,208.9	6,063.00				Average	
		point104	104	1,890.5	2,208.8	6,062.00				Average	
		point105	105	1,954.9	2,208.9	6,061.00				Average	
		point106	106	2,010.1	2,209.0	6,060.00				Average	
		point107	107	2,055.5	2,209.1	6,059.00				Average	
		point108	108	2,100.2	2,209.3	6,058.00				Average	
		point109	109	2,149.2	2,209.6	6,057.00				Average	
		point110	110	2,201.4	2,210.2	6,056.00				Average	
		point111	111	2,253.9	2,210.4	6,055.00				Average	
		point112	112	2,306.2	2,210.8	6,054.00				Average	
		point21	21	2,359.1	2,210.6	6,053.00					
SH 94 WB RT	12.0	point22	22	2,359.0	2,234.6	6,053.00				Average	
		point113	113	2,306.1	2,234.8	6,054.00				Average	
		point114	114	2,253.9	2,234.4	6,055.00				Average	

INPUT: ROADWAYS**Viewpoint Estates**

		point115	115	2,201.3	2,234.2	6,056.00				Average	
		point116	116	2,149.1	2,233.6	6,057.00				Average	
		point117	117	2,100.1	2,233.3	6,058.00				Average	
		point118	118	2,055.4	2,233.1	6,059.00				Average	
		point119	119	2,010.1	2,233.0	6,060.00				Average	
		point120	120	1,954.8	2,232.9	6,061.00				Average	
		point121	121	1,890.4	2,232.8	6,062.00				Average	
		point122	122	1,802.6	2,232.9	6,063.00				Average	
		point123	123	1,693.2	2,232.7	6,064.00				Average	
		point23	23	1,552.2	2,232.4	6,064.50					
SH 94 WB RT Accel	12.0	point25	25	1,525.4	2,232.4	6,064.50				Average	
		point124	124	1,431.7	2,231.8	6,064.00				Average	
		point125	125	1,228.2	2,230.7	6,063.00				Average	
		point126	126	1,090.3	2,230.3	6,062.00				Average	
		point127	127	953.6	2,230.0	6,061.00				Average	
		point128	128	758.3	2,229.6	6,060.00				Average	
		point26	26	649.3	2,229.5	6,060.00					

INPUT: RECEIVERS
Viewpoint Estates

LSC												
KDF												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Viewpoint Estates											
RUN:	2041 PM Peak Hour											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Lot 1	1	1	-3.3	2,444.2	6,065.00	4.92	0.00	66	10.0	8.0	Y	
Lot 2	2	1	69.8	2,444.0	6,064.50	4.92	0.00	66	10.0	8.0	Y	
Lot 3	3	1	1,032.5	2,442.0	6,064.00	4.92	0.00	66	10.0	8.0	Y	
Lot 4	4	1	1,166.2	2,441.7	6,065.00	4.92	0.00	66	10.0	8.0	Y	
Lot 5	5	1	1,968.2	2,440.1	6,060.50	4.92	0.00	66	10.0	8.0	Y	
Lot 6	6	1	2,090.6	2,439.8	6,058.00	4.92	0.00	66	10.0	8.0	Y	
Lot 7	7	1	3,126.8	2,437.7	6,052.00	4.92	0.00	66	10.0	8.0	Y	