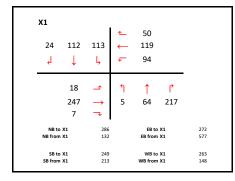
	APP	ENDIX	4.5
NOISE MODE	LING	RESUI	TS

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UCM LRDP AM Existing



X1 CA59 at Bellevue Road

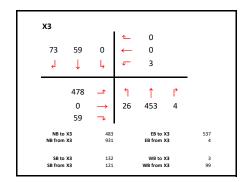
NB to X1	286	0	0	EB to X1	272	0	(
NB from X1	132	0	0	EB from X1	577	0	·
SB to X1	249	0	0	WB to X1	263	0	(
SB from X1	213	0	0	WB from X1	148	0	(

Fleet Mix	
LDA	100%
MDT	0%
HDT	0%

Х2						
			←	9		
37	334	14	←	40		
ل	\downarrow	Ļ	\	47		
	26		4	↑	Þ	
	249	_	142	274	225	
	129	¬́	1-12	2,4	223	
NB to		641		EB to		404
NB fron	n X2	309		EB from	X2	488
SB to		385		WB to		96
SB fron	n X2	510		WB from	X2	219

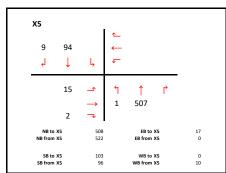
X2 G Street at Bellevue Road

NB to X2	641	0	0	EB to X2	404	0	0
NB from X2	309	0	0	EB from X2	488	0	0
SB to X2	385	0	0	WB to X2	96	0	0
SB from X2	510	0	0	WB from X2	219	0	0



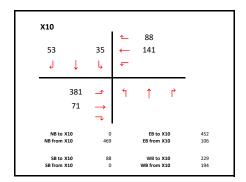
X3 Lake Road at Bellevue Road

NB to X3	483	0	0	EB to X3	537	0	0
NB from X3	931	0	0	EB from X3	4	0	0
SB to X3	132	0	0	WB to X3	3	0	0
SB from X3	121	0	0	WB from X3	99	0	0



X5 Lake Road at Cardella Road

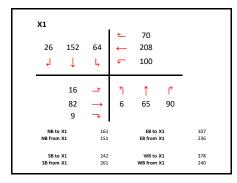
NB to X5	508	0	0	EB to X5	17	0	0
NB from X5	522	0	0	EB from X5	0	0	0
SB to X5	103	0	0	WB to X5	0	0	0
SB from X5	96	0	0	WB from X5	10	0	0



X10 Lake Road at Yosemite Avenue

NB to X10	0	0	0	EB to X10	452	0	0
NB from X10	469	0	0	EB from X10	106	0	0
SB to X10	88	0	0	WB to X10	229	0	0
SB from X10	0	0	0	WB from X10	194	0	0

UCM LRDP PM Existing



X1 CA59 at Bellevue Road

NB to X1	161	0	0	EB to X1	107	0	0
NB from X1	151	0	0	EB from X1	236	0	0
SB to X1	242	0	0	WB to X1	378	0	0
SB from X1	261	0	0	WB from X1	240	0	0

Fleet Mix

LDA 100%

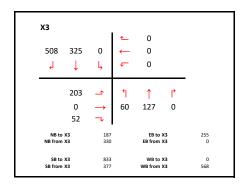
MDT 0%

HDT 0%

X2						
			←	6		
18	128	8	←	247		
٦	\downarrow	Ļ	↓	317		
	29	_	٩	1	ď	
	88	\rightarrow	117	183	157	
	108	⊸				
NB to		457		EB to		225
NB from	X2	218		EB from	X2	253
SB to		154		WB to		570
SB from	X2	553		WB from	X2	382

X2 G Street at Bellevue Road

NB to X2	457	0	0	EB to X2	225	0	0
NB from X2	218	0	0	EB from X2	253	0	0
SB to X2	154	0	0	WB to X2	570	0	0
SB from X2	553	0	0	WB from X2	382	0	0



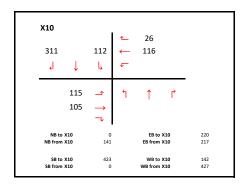
X3 Lake Road at Bellevue Road

NB to X3	187	0	0	EB to X3	255	0	0
NB from X3	330	0	0	EB from X3	0	0	0
SB to X3	833	0	0	WB to X3	0	0	0
SB from X3	377	0	0	WB from X3	568	0	0

Х5						
		1	←			
12	423		←			
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	5	4	Í	1	ľ	
		\rightarrow	2	154		
	2	→				
NB to	X5	156		EB to	X5	7
NB from	X5	159		EB from	X5	0
SB to	X5	435		WB to	X5	0
SB from	X5	425		WB from	X5	14

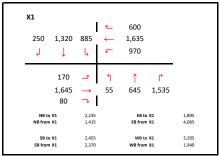
X5 Lake Road at Cardella Road

NB to X5	156	0	0	EB to X5	7	0	0
NB from X5	159	0	0	EB from X5	0	0	0
SB to X5	435	0	0	WB to X5	0	0	0
SB from X5	425	0	0	WB from X5	14	0	0



NB to X10	0	0	0	EB to X10	220	0	0
NB from X10	141	0	0	EB from X10	217	0	0
SB to X10	423	0	0	WB to X10	142	0	0
SB from X10	0	0	0	WB from X10	427	0	0

UCM LRDP Existing DAILY



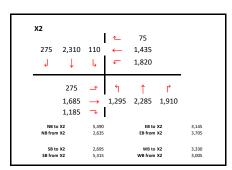
X1 CA59 at Bellevue Road

	0	0	1895	EB to X1	0	0	2235	NB to X1	
4,065	0	0	4065	EB from X1	0	0	1415	NB from X1	1415
	0	0	3205	WB to X1	0	0	2455	SB to X1	
1,940	0	0	1940	WB from X1	0	0	2370	SB from X1	2370
į.									

Fleet Mix

A	100%
DT	0%
	00/

Segment	Between	And	Intersections	ADT
Lake Road	Bellevue	Cardella	3-5	2948
Lake Road	Cardella	Yosemite	5-10	2828
Bellevue	Lake	G	3-2	3520
Bellevue	G	CA59	2-1	3535



X2 G Street at Bellevue Road

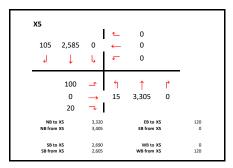
NB	to X2	5490	0	0	EB to X2	3145	0	0	
NB fro	om X2	2635	0	0	EB from X2	3705	0	0	3705
SB	to X2	2695	0	0	WB to X2	3330	0	0	
5 SB fro	om X2	5315	0	0	WB from X2	3005	0	0	300

X3 2,905 1,920 0 ← 0 ↓ ↓ ↓ ← 15 3,405 ← ↑ ↑ ↑ 0 → 430 2,900 20 555 →

EB to X3 EB from X3

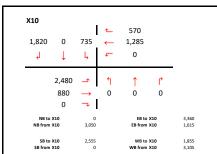
X3 Lake Road at Bellevue Road

	NB to X3	3350	0	0	EB to X3	3960	0	0	
6305	NB from X3	6305	0	0	EB from X3	20	0	0	20
	SB to X3	4825	0	0	WB to X3	15	0	0	
2490	SB from X3	2490	0	0	WB from X3	3335	0	0	3,335



X5 Lake Road at Cardella Road

	NB to X5	3320	0	0	EB to X5	120	0	0
	NB from X5	3405	0	0	EB from X5	0	0	0
	SB to X5	2690	0	0	WB to X5	0	0	0
5	SB from X5	2605	0	0	WB from X5	120	0	0



_		-							
	NB to X10	0	0	0	EB to X10	3360	0	0	
	NB from X10	3050	0	0	EB from X10	1615	0	0	1615
	SB to X10	2555	0	0	WB to X10	1855	0	0	
0	SB from X10	0	0	0	WB from X10	3105	0	0	3105
									1553

UCM LRDP AM 2030 No Project

X1						
				75		
24	118	121	←	125		
ل	\downarrow	Ļ	Ļ	97		
	18	ļ	4	↑	r	
	249	\rightarrow	5	81	218	
	7	→				
NB to		304		EB to		274
NB from	X1	174		EB from	X1	588
SB to	X1	263		WB to	X1	297
SB from	X1	222		WB from	X1	154

X1 CA59 at Bellevue Road

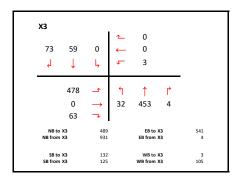
NB to X1	304	0	0	EB to X1	274	0	c
NB from X1	174	0	0	EB from X1	588	0	c
SB to X1	263	0	0	WB to X1	297	0	
SB from X1	222	0	0	WB from X1	154	0	(

Fleet Mix	
LDA	100%
MDT	0%
HDT	0%

X2						
			←	10		
49	381	15	←	45		
ل _غ	\downarrow	Ļ	Ļ	47		
	30	4	4	↑	r	
	251	\rightarrow	151	289	226	
	133	⊸				
	B to X2	666		EB to		414
NB f	rom X2	329		EB from	X2	492
5	SB to X2 445			WB to	X2	102
SB f	rom X2	561		WB from	X2	245

X2 G Street at Bellevue Road

NB to X2	666	0	0	EB to X2	414	0	0
NB from X2	329	0	0	EB from X2	492	0	0
SB to X2	445	0	0	WB to X2	102	0	0
SB from X2	561	0	0	WB from X2	245	0	0



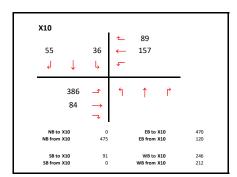
X3 Lake Road at Bellevue Road

	1			ı			
NB to X3	489	0	0	EB to X3	541	0	0
NB from X3	931	0	0	EB from X3	4	0	0
SB to X3	132	0	0	WB to X3	3	0	0
SB from X3	125	0	0	WB from X3	105	0	0

X5						
			_			
9	98		←			
٦	\downarrow	Ļ	\			
	15	l,	4	↑	ľ	
		\rightarrow	1	513		
	2	⊸				
NB to	X5	514		EB to	X5	17
NB from	NB from X5			EB from	X5	0
SB to		107		WB to		0
SB from	X5	100		WB from	X5	10

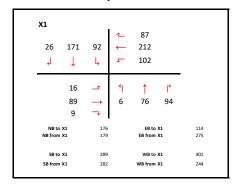
X5 Lake Road at Cardella Road

NB to X5	514	0	0	EB to X5	17	0	0
NB from X5	528	0	0	EB from X5	0	0	0
SB to X5	107	0	0	WB to X5	0	0	0
SB from X5	100	0	0	WB from X5	10	0	0



NB to X10	0	0	0	EB to X10	470	0	0
NO TO ALO		Ü	Ü	LD to A20	470	Ü	Ŭ
NB from X10	475	0	0	EB from X10	120	0	0
SB to X10	91			WB to X10	246		0
SB to X10	91	U	0	WB to X10	246	U	U
SB from X10	0	0	0	WB from X10	212	0	0

UCM LRDP PM 2030 No Project



X1 CA59 at Bellevue Road

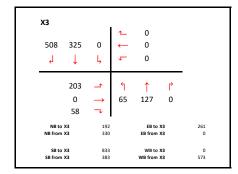
NB to X1	176	0	0	EB to X1	114	0	(
NB from X1	179	0	0	EB from X1	275	0	(
SB to X1	289	0	0	WB to X1	401	0	
SB from X1	282	0	0	WB from X1	244	0	(

Fleet Mix LDA 100 MDT 0

X2						
			_	8		
26	158	9	←	251		
لم	\downarrow	Ļ	Ļ	317		
	43	_	Í	↑	ľ	
	94	\rightarrow	123	232	161	
	119	⊸				
NB to	X2	516		EB to	X2	256
NB from	NB from X2 283			EB from	X2	264
	SB to X2 193			WB to		576
SB from	1 X2	594		WB from	X2	400

X2 G Street at Bellevue Road

	1						
NB to X2	516	0	0	EB to X2	256	0	0
NB from X2	283	0	0	EB from X2	264	0	0
SB to X2	193	0	0	WB to X2	576	0	0
SB from X2	594	0	0	WB from X2	400	0	0



X3 Lake Road at Bellevue Road

NB to X3	192	0	0	EB to X3	261	0	0
NB from X3	330	0	0	EB from X3	0	0	0
SB to X3	833	0	0	WB to X3	0	0	0
SB from X3	383	0	0	WB from X3	573	0	0

X5			1			
12 ل	429 ↓	Ļ	1 1 1			
	5	→ →	၅ 2	↑ 159	۲	•
	NB to X5 16 NB from X5 16					7 0
SB to SB from		441 431		WB to 3		0 14

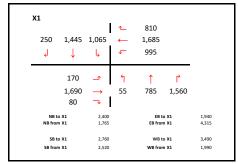
X5 Lake Road at Cardella Road

NB to X5	161	0	0	EB to X5	7	0	0
NB from X5	164	0	0	EB from X5	0	0	0
SB to X5	441	0	0	WB to X5	0	0	0
SB from X5	431	0	0	WB from X5	14	0	0

X10					
		←	28		
317	113	←	132		
4 ↓	Ļ	₽			
11	9 🚣	4	↑	ľ	
14	5 →				
	→				
NB to X10	0		EB to		264
NB from X10	147		EB from	X10	258
SB to X10	430		WB to	X10	160
SB from X10	0	1	WB from	X10	449

NB to X10	0	0	0	EB to X10	264	0	0
NB from X10	147	0	0	EB from X10	258	0	0
SB to X10	430	0	0	WB to X10	160	0	0
SB from X10	0	0	0	WB from X10	449	0	0

UCM LRDP 2030 No Project DAILY

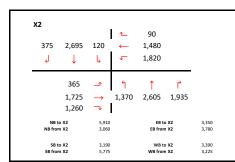


X1 CA59 at Bellevue Road

NB to X1	2400	0	0	EB to X1	1940	0	0	
NB from X1	1765	0	0	EB from X1	4315	0	0	4,31
SB to X1	2760	0	0	WB to X1	3490	0	0	
SB from X1	2520	0	0	WB from X1	1990	0	0	1,99
	NB from X1 SB to X1	NB from X1 1765 SB to X1 2760	NB from X1 1765 0 SB to X1 2760 0	NB from X1 1765 0 0 SB to X1 2760 0 0	NB from X1 1765 0 0 EB from X1 SB to X1 2760 0 0 WB to X1	NB from X1 1765 0 0 EB from X1 4315 SB to X1 2760 0 0 W8 to X1 3490	NB from X1 1765 0 0 EB from X1 4315 0 SB to X1 2760 0 0 WB to X1 3490 0	NB from X1 1765 0 0 0 EB from X1 4315 0 0 0 SB to X1 2760 0 0 WB to X1 3490 0 0

Fleet Mix	
LDA	1009
MDT	09

Segment	Between	And	Intersections	ADT
Lake Road	Bellevue	Cardella	3-5	300
Lake Road	Cardella	Yosemite	5-10	288
Bellevue	Lake	G	3-2	358
Bellevue	G	CA59	2-1	3770

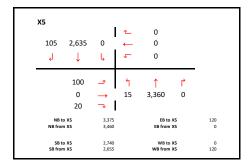


X2 G Street at Bellevue Road

NB to X2	5910	0	0	EB to X2	3350	0	0	
NB from X2	3060	0	0	EB from X2	3780	0	0	
SB to X2	3190	0	0	WB to X2	3390	0	0	
SB from X2	5775	0	0	WB from X2	3225	0	0	:

X3 Lake Road at Bellevue Road

	NB to X3	3405	0	0	EB to X3	4010	0	0	
6305	NB from X3	6305	0	0	EB from X3	20	0	0	20
	SB to X3	4825	0	0	WB to X3	15	0	0	İ
2540	SB from X3	2540	0	0	WB from X3	3390	0	0	3,390
,									



X5 Lake Road at Cardella Road

	NB to X5	3375	0	0	EB to X5	120	0	0	
	NB from X5	3460	0	0	EB from X5	0	0	0	
	SB to X5	2740	0	0	WB to X5	0	0	0	
655	SB from X5	2655	0	0	WB from X5	120	0	0	1

X10						
			←	585		
1,860	0	745	\leftarrow	1,445		
ل	\downarrow	Ļ	₩	0		
	2,525	_	4	↑	ď	
	1,145	\rightarrow	0	0	0	
	0	⊸	l			
NB to 2		0 3,110		EB to EB from		3,670 1,890
SB to 2		2,605		WB to		2,030
SB from 2	X10	0		WB from	X10	3,305

NB to X10	0	0	0	EB to X10	3670	0	0	
NB from X10	3110	0	0	EB from X10	1890	0	0	18
SB to X10	2605	0	0	WB to X10	2030	0	0	
SB from X10	0	0	0	WB from X10	3305	0	0	33

UCM LRDP AM 2030 Plus Project

X1				75		
24 ل	118 ↓	121 Ļ	1 1	125 104		
	18 249 7	→ → ¬	¶ 5	† 81	! 247	
NB to NB from		333 174		EB to EB from		274 617
SB to SB from		263 229		WB to		304 154

X1 CA59 at Bellevue Road

NB to X1	333	0	0	EB to X1	274	0	0
NB from X1	174	0	0	EB from X1	617	0	0
SB to X1	263	0	0	WB to X1	304	0	0
SB from X1	229	0	0	WB from X1	154	0	0

Fleet Mix LDA 1 MDT

X2						
			←	10		
49	381	15	←	52		
ل	\downarrow	Ļ	Ļ	100		
	30	_	4	↑	ľ	
	280	\rightarrow	151	289	385	
	133	⊸				
NB to		825		EB to		443
NB from	X2	329		EB from	X2	680
SB to	X2	445		WB to	X2	162
SB from	X2	614		WB from	X2	252

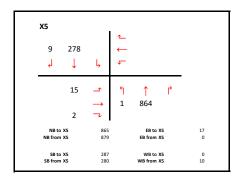
X2 G Street at Bellevue Road

NB to X2	825	0	0	EB to X2	443	0	0
NB from X2	329	0	0	EB from X2	680	0	0
SB to X2	445	0	0	WB to X2	162	0	0
SB from X2	614	0	0	WB from X2	252	0	0

154 0 47 82 ٤ \downarrow 60 559 ٩ 88 546 87 36 81 NB to X3 NB from X3 669 1,105 EB to X3 EB from X3 728 175 SB to X3 SB from X3 236 295 WB to X3 WB from X3 107 165

X3 Lake Road at Bellevue Road

NB to X3	669	0	0	EB to X3	728	0	0
NB from X3	1105	0	0	EB from X3	175	0	0
SB to X3	236	0	0	WB to X3	107	0	0
SB from X3	295	0	0	WB from X3	165	0	0



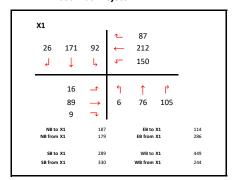
X5 Lake Road at Cardella Road

1	_				_		
NB to X5	865	0	0	EB to X5	17	0	0
NB from X5	879	0	0	EB from X5	0	0	0
SB to X5	287	0	0	WB to X5	0	0	0
SB from X5	280	0	0	WB from X5	10	0	0

X10 222 49 ← 157 ↓ ↓ ↓ ↓ 655 - ↑ ↑ ↑ ↑ 84 → ↑ N8 to X10 0 EB to X10 739 N8 from X10 826 EB from X10 133 S8 to X10 271 WB to X10 328 S8 from X10 0 WB from X10 379

NB to X10	0	0	0	EB to X10	739	0	0
	_				100	-	
NB from X10	826	0	0	EB from X10	133	0	0
SB to X10	271	0	0	WB to X10	328	0	0
SB from X10	0	0	0	WB from X10	379	0	0
3B HOIII A10				WB HOIII A10	3/3		

UCM LRDP PM 2030 Plus Project



X1 CA59 at Bellevue Road

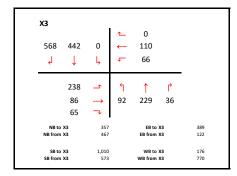
NB to X1	187	0	0	EB to X1	114	0	(
NB from X1	179	0	0	EB from X1	286	0	(
SB to X1	289	0	0	WB to X1	449	0	
SB from X1	330	0	0	WB from X1	244	0	(

Fleet Mix LDA 10 MDT

X2						
			←	8		
26	158	9	←	299		
↲	\downarrow	Ļ	Ļ	466		
	43	_	4	↑	ľ	
	105	\rightarrow	123	232	278	
	119	⊸				
NB to		633		EB to		267
NB from	X2	283		EB from	X2	392
SB to		193		WB to		773
SB from	X2	743		WB from	X2	448

X2 G Street at Bellevue Road

	1				1		
NB to X2	633	0	0	EB to X2	267	0	0
NB from X2	283	0	0	EB from X2	392	0	0
SB to X2	193	0	0	WB to X2	773	0	0
SB from X2	743	0	0	WB from X2	448	0	0



X3 Lake Road at Bellevue Road

NB to X3	357	0	0	EB to X3	389	0	0
NB from X3	467	0	0	EB from X3	122	0	0
SB to X3	1010	0	0	WB to X3	176	0	0
SB from X3	573	0	0	WB from X3	770	0	0

Х5			1			
12	794		←			
<u>ــــــــــــــــــــــــــــــــــــ</u>	J	Ļ	, ,			
	•					•
	5	_	1	↑	ľ	
		\rightarrow	2	359		
	2	7				
NB to NB from		361 364		EB to		7 0
SB to	vr	806		WB to	w-	0
SB from		796		WB from		14

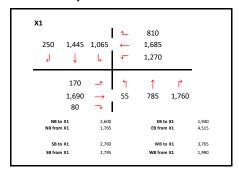
X5 Lake Road at Cardella Road

NB to X5	361	0	0	EB to X5	7	0	0
NB from X5	364	0	0	EB from X5	0	0	0
SB to X5	806	0	0	WB to X5	0	0	0
SB from X5	796	0	0	WB from X5	14	0	0

X10						
			←	57		
606		189	←	132		
Ą	\downarrow	Ļ	Ļ			
:	290	٦	Í	↑	r	
:	145	\rightarrow				
		⊸				
NB to X1		0		EB to		435
NB from X1	0	347		EB from	X10	334
SB to X1	0	795		WB to	X10	189
SB from X1	0	0		WB from	X10	738

NB to X10	0	0	0	EB to X10	435	0	0
NB from X10	347	0	0	EB from X10	334	0	0
SB to X10	795	0	0	WB to X10	189	0	0
SB from X10	0	0	0	WB from X10	738	0	0

UCM LRDP 2030 + Project DAILY



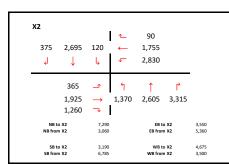
X1 CA59 at Bellevue Road

								1
NB to X1	2600	0	0	EB to X1	1940	0	0	
NB from X1	1765	0	0	EB from X1	4515	0	0	4,515
SB to X1	2760	0	0	WB to X1	3765	0	0	
SB from X1	2795	0	0	WB from X1	1990	0	0	1,990
	NB from X1 SB to X1	NB from X1 1765 SB to X1 2760	NB from X1 1765 0 SB to X1 2760 0	NB from X1 1765 0 0 SB to X1 2760 0 0	NB from X1 1765 0 0 EB from X1 SB to X1 2760 0 0 WB to X1	NB from X1 1765 0 0 EB from X1 4515 SB to X1 2760 0 0 WB to X1 3765	NB from X1 1765 0 0 EB from X1 4515 0 SB to X1 2760 0 0 WB to X1 3765 0	NB from X1 1765 0 0 EB from X1 4515 0 0 SB to X1 2760 0 0 WB to X1 3765 0 0

Fleet Mix

DA	100%
IDT	0%
IDT	0%

Segment	Between	And	Intersections	ADT
Lake Road	Bellevue	Cardella	3-5	5278
Lake Road	Cardella	Yosemite	5-10	5623
Bellevue	Lake	G	3-2	5018
Bellevue	G	CA59	2-1	4008



X2 G Street at Bellevue Road

	NB to X2	7290	0	0	EB to X2	3550	0	0	
	HD tO AL	7230	- 0	Ü	LD to AL	3330	Ü	Ü	
	NB from X2	3060	0	0	EB from X2	5360	0	0	536
	SB to X2	3190	0	0	WB to X2	4675	0	0	
785	SB from X2	6785	0	0	WB from X2	3500	0	0	350

хз						
			_	0		
3,250	2,980	0	←	785		
Ļ	\downarrow	Ļ	₽	630		
						•
	3,985	_	٦	1	ľ	
	870	\rightarrow	640	3,875	615	
	730	⊸				
NB to		5,130		EB to		5,585
NB from	х3	7,860		EB from	хз	1,485
SB to		6,230		WB to		1,415
SB from	Х3	4,340		WB from	Х3	4,675

X3 Lake Road at Bellevue Road

	NB to X3	5130	0	0	EB to X3	5585	0	0	
7860	NB from X3	7860	0	0	EB from X3	1485	0	0	1,485
	SB to X3	6230	0	0	WB to X3	1415	0	0	
4340	SB from X3	4340	0	0	WB from X3	4675	0	0	4,675

X5

105 5,360 0 ← 0

100 → 15 6,115 0

20 → 15 6,115 0

NB to X5 6,130 EB to X5 120

NB to X5 6,215 EB from X5 0

SB to X5 5,465 WB to X5 120

SB to X5 5,465 WB from X5 120

X5 Lake Road at Cardella Road

Г									
	NB to X5	6130	0	0	EB to X5	120	0	0	
	NB from X5	6215	0	0	EB from X5	0	0	0	0
	SB to X5	5465	0	0	WB to X5	0	0	0	
380	SB from X5	5380	0	0	WB from X5	120	0	0	120
									803

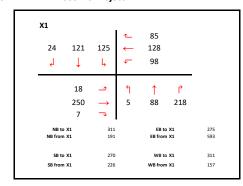
X10 Lake Road at Yosemite Avenue

				1,140		
4,140	0	1,190	\leftarrow	1,445		
٢	\downarrow	Ļ	₽	0		
	4,725	4	4	↑	ŀ	•
	1,145	\rightarrow	0	o	0	
	0	→				
NB to		0		EB to		5,870
NR from		5 865		FR from		2 335

X10

	NB to X10	0	0	0	EB to X10	5870	0	0	
	NB from X10	5865	0	0	EB from X10	2335	0	0	233
	SB to X10	5330	0	0	WB to X10	2585	0	0	
0	SB from X10	0	0	0		5585		0	558

UCM LRDP AM 2035 No Project



X1 CA59 at Bellevue Road

NB to X1	311	0	0	EB to X1	275	0	0
NB from X1	191	0	0	EB from X1	593	0	o
SB to X1	270	0	0	WB to X1	311	0	0
SB from X1	226	0	0	WB from X1	157	0	0

X2 G Street at Bellevue Road X3 Lake Road at Bellevue Road X5 Lake Road at Cardella Road X10 Lake Road at Yosemite Avenue

X2						
			←	10		
54	400	16	←	47		
٦	\downarrow	Ļ	L	47		
	31	4	4	↑	ľ	
	252	\rightarrow	155	295	226	
	134	→				
NB to		676		EB to		417
NB from	K2	336		EB from	X2	494
SB to	X2	470		WB to	X2	104
SB from	X2	581		WB from	X2	256

X2 G Street at Bellevue Road

NB to X2	676	0	0	EB to X2	417	0	0
NB from X2	336	0	0	EB from X2	494	0	0
SB to X2	470	0	0	WB to X2	104	0	0
SB from X2	581	0	0	WB from X2	256	0	0

,	хз						
					0		
	73	59	0	←	0		
	لم	\downarrow	Ļ	Ļ	3		
-		478	_	4	↑	Ļ	
		0	\rightarrow	34	453	4	
		64	\neg				
	NB to		491		EB to		542
	NB from	хз	931		EB from	хз	4
	SB to		132		WB to		3
	SB from	Х3	126		WB from	Х3	107

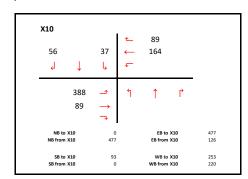
X3 Lake Road at Bellevue Road

		_					
NB to X3	491	0	0	EB to X3	542	0	0
NB from X3	931	0	0	EB from X3	4	0	0
SB to X3	132	0	0	WB to X3	3	0	0
SB from X3	126	0	0	WB from X3	107	0	0

X5						
			1			
9	99		←			
ل	\downarrow	Ļ	₩.			
	15	_	4	↑	ľ	
		\rightarrow	1	515		
	2	⊸				
NB to	X5	516		EB to	X5	17
NB from	X5	530		EB from	X5	0
SB to		108		WB to		0
SB from	X5	101		WB from	X5	10

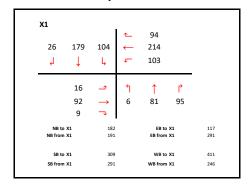
X5 Lake Road at Cardella Road

NB to X5	516	0	0	EB to X5	17	0	0
NB from X5	530	0	0	EB from X5	0	0	0
SB to X5	108	0	0	WB to X5	0	0	0
SB from X5	101	0	0	WB from X5	10	0	0



NB to X10	0	0	0	EB to X10	477	0	0
NB from X10	477	0	0	EB from X10	126	0	0
SB to X10	93	0	0	WB to X10	253	0	o
SB from X10	0	0	0	WB from X10	220	0	0

UCM LRDP PM 2035 No Project



X1 CA59 at Bellevue Road

NB to X1	182	0	0	EB to X1	117	0	0
NB from X1	191	0	0	EB from X1	291	0	o
SB to X1	309	0	0	WB to X1	411	0	0
SB from X1	291	0	0	WB from X1	246	0	0

 Fleet Mix

 LDA
 100%

 MDT
 0%

 HDT
 0%

X2 G Street at Bellevue Road X3 Lake Road at Bellevue Road X5 Lake Road at Cardella Road X10 Lake Road at Yosemite Avenue

X2						
			←	9		
30	171	10	←	252		
٢	\downarrow	Ļ	F	317		
	49	_	4	↑	ľ	
	96	\rightarrow	126	252	162	
	123	⊸				
NB	to X2	540		EB to	X2	268
NB fro	m X2	310		EB from	X2	268
	to X2	211		WB to		578
SB fro	m X2	611		WB from	X2	408

X2 G Street at Bellevue Road

NB to X2	540	0	0	EB to X2	268	0	0
NB from X2	310	0	0	EB from X2	268	0	0
SB to X2	211	0	0	WB to X2	578	0	0
SB from X2	611	0	0	WB from X2	408	0	0

Х3						
			←	0		
508	325	0	←	0		
ل	\downarrow	Ļ	Ļ	0		
	203	_	4	↑	l,	
	0	\rightarrow	67	127	0	
	61	→				
NB to 3	(3	194		EB to	Х3	264
NB from 3	(3	330		EB from	Х3	0
SB to 3	(3	833		WB to	Х3	0
SB from 3	(3	386		WB from	Х3	575

X3 Lake Road at Bellevue Road

NB to X3	194	0	0	EB to X3	264	0	0
NB from X3	330	0	0	EB from X3	0	0	0
SB to X3	833	0	0	WB to X3	0	0	o
SB from X3	386	0	0	WB from X3	575	0	0

X5		ĺ	i			
42	422		~_			
12	432		←			
ل _خ	\downarrow	Ļ	Ļ			
	5	•	4	*	r	
	3	_		- 1	- 1	
		\rightarrow	2	161		
	2	⊸				
NB to	X5	163		EB to	X5	7
NB from	X5	166		EB from	X5	0
SB to	X5	444		WB to	X5	0
SB from	X5	434		WB from	X5	14

X5 Lake Road at Cardella Road

NB to X5	163	0	0	EB to X5	7	0	0
NB from X5	166	0	0	EB from X5	0	0	0
SB to X5	444	0	0	WB to X5	0	0	0
SB from X5	434	0	0	WB from X5	14	0	0

X10	İ		29		
319	114	_ —	138		
↓ ↓	Ļ	F			
120	ļ	4	↑	ľ	•
161	\rightarrow				
	→				
NB to X10	0		EB to		281
NB from X10	149		EB from	X10	275
SB to X10	433		WB to	X10	167
SB from X10	0		WB from	X10	457

NB to X10	0	0	0	EB to X10	281	0	0
NB from X10	149	0	0	EB from X10	275	0	0
SB to X10	433	0	0	WB to X10	167	0	0
SR from Y10	0	0	0	WR from X10	457	0	0

UCM LRDP 2035 No Project DAILY

ХЗ

2,905 1,920

↓ ↓

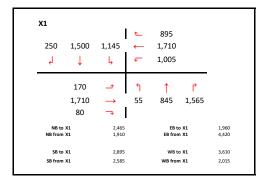
NB to X3 NB from X3

3,405 0

625

0

↓



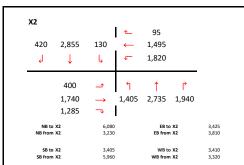
X1 CA59 at Bellevue Road

	NB to X1	2465	0	0	EB to X1	1960	0	0	
1910	NB from X1	1910	0	0	EB from X1	4420	0	0	4,420
	SB to X1	2895	0	0	WB to X1	3610	0	0	
2585	SB from X1	2585	0	0	WB from X1	2015	0	0	2,015

Fleet Mix LDA

LDA	100%
MDT	0%
HDT	0%

Segment	Between	And	Intersectio	ADT
Lake Road	Bellevue	Cardella	3-5	3020
Lake Road	Cardella	Yosemite	5-10	2903
Bellevue	Lake	G	3-2	3610
Bellevue	G	CA59	2-1	3870



0

0

15

EB to X3 EB from X3

20

505 2,900

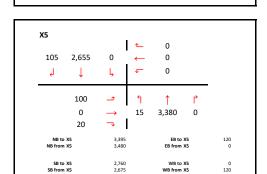
X2 G Street at Bellevue Road

NB to X2	6080	0	0	EB to X2	3425	0	0	
NB from X2	3230	0	0	EB from X2	3810	0	0	38:
SB to X2	3405	0	0	WB to X2	3410	0	0	
0 SB from X2	5960	0	0	WB from X2	3320	0	0	33

X3 Lake Road at Bellevue Road

	2
4,030	

	NB to X3	3425	0	0	EB to X3	4030	0	0	
6305	NB from X3	6305	0	0	EB from X3	20	0	0	20
	SB to X3	4825	0	0	WB to X3	15	0	0	
2560	SB from X3	2560	0	0	WB from X3	3410	0	0	3,410



X5 Lake Road at Cardella Road

ı								
	NB to X5	3395	0	0	EB to X5	120	0	0
	NB from X5	3480	0	0	EB from X5	0	0	0
	SB to X5	2760	0	0	WB to X5	0	0	0
75	SB from X5	2675	0	0	WB from X5	120	0	0

X10 Lake Road at Yosemite Avenue

X10						
			←	590		
1,875	0	755	\leftarrow	1,510		
ل	\downarrow	Ļ	₽	0		
	2,540	_	4	↑	Ļ	1
	1,250	\rightarrow	0	Ö	0	
	0	→				
NB to	X10	0		EB to	X10	3,790
NB from	X10	3,130		EB from	X10	2,005
SB to	X10	2,630		WB to	X10	2,100
SB from	X10	0		WB from	X10	3,385

	0	0	3790	EB to X10	0	0	0	NB to X10	
2005	0	0	2005	EB from X10	0	0	3130	NB from X10	
	0	0	2100	WB to X10	0	0	2630	SB to X10	Ì
3385	0	0	3385	WB from X10	0	0	0	SB from X10	0
	0	0	3385	WB from X10	0	0	0	SB from X10	0

120

UCM LRDP AM 2035 Plus Project

X1		i				
			_	85		
24	121	125	\leftarrow	128		
ل	\downarrow	Ļ	Ļ	109		
	18	4	4	↑	r	
	250	\rightarrow	5	88	262	
	7	→				
NB to	X1	355		EB to	X1	275
NB from	X1	191		EB from	X1	637
SB to		270		WB to	X1	322
SB from	X1	237		WB from	X1	157

X1 CA59 at Bellevue Road

	1	1			1		
NB to X1	355	0	0	EB to X1	275	0	(
NB from X1	191	0	0	EB from X1	637	0	(
SB to X1	270	0	0	WB to X1	322	0	
SB from X1	237	0	0	WB from X1	157	0	(

Fleet Mix LDA 100 MDT 0

X2 G Street at Bellevue Road

NB to X2	905	0	0	EB to X2	461	0	0
NB from X2	336	0	0	EB from X2	767	0	0
SB to X2	470	0	0	WB to X2	189	0	0
SB from X2	655	0	0	WB from X2	267	0	0

X2 G Street at Bellevue Road X3 Lake Road at Bellevue Road X5 Lake Road at Cardella Road X10 Lake Road at Yosemite Avenue

X2					
			10		
54 400	16	←	58		
4 1	Ļ	Ļ	121		
31	Ļ	4	↑	ľ	
296	\rightarrow	155	295	455	
134	→				
NB to X2	905		EB to		461
NB from X2	336		EB from	X2	767
SB to X2	470		WB to		189
SB from X2	655		WB from	X2	267

X3 Lake Road at Bellevue Road

NB to X3	753	0	0	EB to X3	815	0	0
NB from X3	1183	0	0	EB from X3	253	0	0
SB to X3	270	0	0	WB to X3	140	0	c
SB from X3	350	0	0	WB from X3	192	0	0

хз						
		ĺ	←	0		
87	183	0	←	64		
لم	\downarrow	Ļ	Ļ	76		
	596	1	4	↑	ď	
	128	\rightarrow	41	587	125	
	91	→				
NB to		753		EB to		815
NB from	Х3	1,183		EB from	Х3	253
SB to	хз	270		WB to	хз	140
SB from	Х3	350		WB from	Х3	192

X5 Lake Road at Cardella Road

NB to X5	1028	0	0	EB to X5	17	0	0
NB from X5	1042	0	0	EB from X5	0	0	0
SB to X5	347	0	0	WB to X5	0	0	0
SR from X5	340	0	0	WB from X5	10	0	

X5		ĺ	_			
9	338		←			
٦	\downarrow	Ļ	Ļ			
	15	4	þ	↑	ľ	
		\rightarrow	1	1,027		
	2	⊸				
NB to		1,028		EB to 3	(5	17
NB from	X5	1,042		EB from 3	K 5	C
SB to	X5	347		WB to 2	(5	0
SB from	X5	340		WB from 2	(5	10

NB to X10	0	0	0	EB to X10	868	0	0
NB from X10	989	0	0	EB from X10	144	0	0
SB to X10	332	0	0	WB to X10	374	0	0
SB from X10	0	0	0	WB from X10	441	0	0

	X10						
				←	210		
	277		55	←	164		
	ل	\downarrow	Ļ	\			
		779	4	ń	↑	ľ	
		89	\rightarrow				
			→				
	NB to 3	K10	0		EB to	X10	868
	NB from 3	K10	989		EB from	X10	144
I			222				274
	SB to 3		332 0		WB to WB from		374 441
	35 /10111 /				****	~10	1

UCM LRDP PM 2035 Plus Project

X1						
				94		
26	179	104	←	214		
ل	\downarrow	Ļ	Ļ	175		
	16	4	4	↑	r	
	92	\rightarrow	6	81	110	
	9	→				
NB to	X1	197		EB to	X1	117
NB from	X1	191		EB from	X1	306
SB to	X1	309		WB to	X1	483
SB from	X1	363		WB from	X1	246

X1 CA59 at Bellevue Road

NB to X1	197	0	0	EB to X1	117	0	0
NB from X1	191	0	0	EB from X1	306	0	0
SB to X1	309	0	0	WB to X1	483	0	0
SB from X1	363	0	0	WB from X1	246	0	0

X2 G Street at Bellevue Road

X2 30 171 10 ← 324 ┰ 534 ٤ 49 111 126 252 323 \rightarrow

WB to X2 WB from X2

123

X2 G Street at Bellevue Road

SB from X2

NB to X2	701	0	0	EB to X2	283	0	0
NB from X2	310	0	0	EB from X2	444	0	0
SB to X2	211	0	0	WB to X2	867	0	0

0 WB from X2 480

X3 Lake Road at Bellevue Road X5 Lake Road at Cardella Road X10 Lake Road at Yosemite Avenue

хз						
			←	0		
596	490	0	←	160		
إ	\downarrow	Ļ	Ļ	93		
	254	L	٩	↑	Ļ	
	116	\rightarrow	107	262	51	
	71	⊸				
NB to		420		EB to		441
NB from	Х3	516		EB from	Х3	167
SB to	хз	1,086		WB to	хз	253
SB from	Х3	654		WB from	Х3	863

X3 Lake Road at Bellevue Road

NB to X3	420	0	0	EB to X3	441	0	0
NB from X3	516	0	0	EB from X3	167	0	0
SB to X3	1086	0	0	WB to X3	253	0	0
SB from X3	654	0	0	WB from X3	863	0	0

X5						
			←			
12	957		←			
J	\downarrow	Ļ	~			
	5	L	4	↑	ľ	
		\rightarrow	2	437		
	2	→				
NB to)	X5	439		EB to	X5	7
NB from 2	(5	442		EB from	X5	0
SB to)	X5	969		WB to	X5	c
SB from)	K5	959		WB from	X5	14

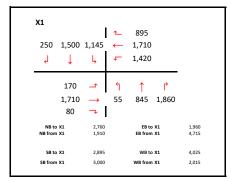
X5 Lake Road at Cardella Road

NB to X5	439	0	0	EB to X5	7	0	0
NB from X5	442	0	0	EB from X5	0	0	0
SB to X5	969	0	0	WB to X5	0	0	0
SB from X5	959	0	0	WB from X5	14	0	0

X10 71 735 223 ← 138 ٤ Ļ 354 161 0 425 WB to X10 WB from X10 SB to X10 SB from X10

NB to X10	0	0	0	EB to X10	515	0	0
NB from X10	425	0	0	EB from X10	384	0	0
SB to X10	958	0	0	WB to X10	209	0	0
SB from X10	0	0	0	WB from X10	873	0	0

UCM LRDP 2035 + Project DAILY



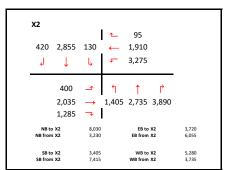
X1 CA59 at Bellevue Road

	NB to X1	2760	0	0	EB to X1	1960	0	0	
1910	NB from X1	1910	0	0	EB from X1	4715	0	0	4,71
	SB to X1	2895	0	0	WB to X1	4025	0	0	
3000	SB from X1	3000	0	0	WB from X1	2015	0	0	2,01
			_	_			_	_	-,

Fleet Mix

100% T 0%

Segment	Between	And	Intersectio	ADT
Lake Road Lake Road	Bellevue	Cardella	3-5	6220
Lake Road	Cardella	Yosemite	5-10	6783
Bellevue	Lake	G	3-2	5665
Bellevue	G	CA59	2-1	4225



X2 G Street at Bellevue Road

ı									
	NB to X2	8030	0	0	EB to X2	3720	0	0	
	NB from X2	3230	0	0	EB from X2	6055	0	0	6055
	SB to X2	3405	0	0	WB to X2	5280	0	0	
7415	SB from X2	7415	0	0	WB from X2	3735	0	0	3735
									4225

X3

3,415 3,365 0 ← 1,120

↓ ↓ ↓ ← 845

4,250 → ↑ ↑ ↑

1,220 → 740 4,245 880

X3 Lake Road at Bellevue Road

NB to X3	5865	0	0	EB to X3	6280	0	0	
NB from X3	8495	0	0	EB from X3	2100	0	0	2,100
SB to X3	6780	0	0	WB to X3	1965	0	0	
SB from X3	5020	0	0	WB from X3	5275	0	0	5,275
	NB from X3 SB to X3	NB from X3 8495 SB to X3 6780	NB from X3 8495 0 SB to X3 6780 0	NB from X3 8495 0 0 SB to X3 6780 0 0	NB from X3 8495 0 0 EB from X3 SB to X3 6780 0 0 WB to X3	NB from X3 8495 0 0 EB from X3 2100 SB to X3 6780 0 0 WB to X3 1965	NB from X3 8495 0 0 EB from X3 2100 0 SB to X3 6780 0 0 WB to X3 1965 0	NB from X3 8495 0 0 EB from X3 2100 0 0 SB to X3 6780 0 0 WB to X3 1965 0 0

6,780 WB to X3 5,020 WB from X3

810 → to X3 5,865 mm X3 8,495

X5 Lake Road at Cardella Road

NB to X5	7335	0	0	EB to X5	120	0	0	
NB from X5	7420	0	0	EB from X5	0	0	0	
SB to X5	6580	0	0	WB to X5	0	0	0	
SB from X5	6495	0	0	WB from X5	120	0	0	1

X10

5,060 0 1,390 ← 1,510

↓ ↓ ↓ □

5,665 → ↑ ↑ ↑

1,250 → 0 0 0

0 → □

NB to X10 0 EB from X10 6,915

S8 to X10 6,450 WB to X10 2,915

S8 from X10 0 WB from X10 6,570

ſ									
	NB to X10	0	0	0	EB to X10	6915	0	0	
	NB from X10	7070	0	0	EB from X10	2640	0	0	2640
	SB to X10	6450	0	0	WB to X10	2915	0	0	
0	SB from X10	0	0	0	WB from X10	6570	0	0	6570

UCM 11-Oct-18
ISI TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS PROJECT/CONTRACT:

RUN: BARRIER DESIGN: 2020 LRDP Existing Conditions INPUT HEIGHTS

ATMOSPHERICS:

62 deg F, 80% RH

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

Re	сe	ive	
IVC	cc	IVC	

Receiver													
Name	No. #[•		With Barrier							
		Lde					existing Type	Calculated Noi					
			Ca	Iculated Crit	n Cal	culated Crit		Lden Cald	culated Goal		ulated		
						Sub	'l Inc			min	us		
										Goa	d		
		dB	A dB	BA dBA	dB	dB		dBA dB	dB	dB			
Bellevue G to 59 1	1	1	50	60.1	66	10.1	10 Sub'l Inc	60.1	0	8	-8		
Bellevue G to 59 2	2	1	50	60.6	66	10.6	10 Sub'l Inc	60.6	0	8	-8		
Bellevue G to 59 3	3	1	50	58.1	66	8.1	10	58.1	0	8	-8		
Bellevue G to 59 4	4	1	50	57.2	66	7.2	10	57.2	0	8	-8		
Bellevue G to 59 5	5	1	50	60.9	66	10.9	10 Sub'l Inc	60.9	0	8	-8		
Bellevue G to 59 6	6	1	50	60.2	66	10.2	10 Sub'l Inc	60.2	0	8	-8		
Bellevue Lake to G_1	8	1	50	57.7	66	7.7	10	57.7	0	8	-8		
Bellevue Lake to G 2	9	1	50	57.3	66	7.3	10	57.3	0	8	-8		
Bellevue Lake to G_3	10	1	50	58.8	66	8.8	10	58.8	0	8	-8		
Bellevue Lake to G_4	11	1	50	61	66	11	10 Sub'l Inc	61	0	8	-8		
Bellevue Lake to G_5	12	1	50	60.9	66	10.9	10 Sub'l Inc	60.9	0	8	-8		
Lake Bellevue to Cardella_1	14	1	50	57	66	7	10	57	0	8	-8		
Lake Bellevue to Cardella_2	15	1	50	50	66	0	10	50	0	8	-8		
Lake Bellevue to Cardella_3	16	1	50	52.8	66	2.8 10-	-Jan-00	52.8	0	8	-8		
Lake Bellevue to Cardella_4	17	1	50	58.5	66	8.5	10	58.5	0	8	-8		
Lake Cardella to Yosemite_1	19	1	50	59.6	66	9.6	10	59.6	0	8	-8		
Lake Cardella to Yosemite_2	20	1	50	57.7	66	7.7	10	57.7	0	8	-8		
Lake Cardella to Yosemite_3	21	1	50	55.4	66	5.4	10	55.4	0	8	-8		
Lake Cardella to Yosemite_4	22	1	50	56.8	66	6.8	10	56.8	0	8	-8		
Lake Cardella to Yosemite_5	23	1	50	55.7	66	5.7	10	55.7	0	8	-8		
Lake Cardella to Yosemite_6	24	1	50	57.8	66	7.8	10	57.8	0	8	-8		
Lake Cardella to Yosemite_7	25	1	50	56.8	66	6.8	10	56.8	0	8	-8		

Dwelling Units	# DUs	Noise Reduction					
		Min dB	Avg dB	Max dB			
All Selected	2	2	0	0	0		
All Impacted		6	0	0	0		
All that meet NR Goal		0	0	0	0		

11-Oct-18 TNM 2.5

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 2020 LRDP
RUN: 2030 No Project
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 62 deg F, 80% 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	Existir Lden	•	Io Barrier den		1	ncrease ov	er existing	Tyne	With Barr		eduction		
					alculated	l Crit'n		Calculated	U	Impact	Lden		ted Goal		lculated nus
			dBA	d	ВА	dBA	c	łВ	dB		dBA	dB	dB	dB	
Bellevue G to 59 1		1	1	50	60.4		66	10.4	10	Sub'l Inc	60.4	4	0	8	-8
Bellevue G to 59_2		2	1	50	60.8	;	66	10.8	10	Sub'l Inc	60.	3	0	8	-8
Bellevue G to 59_3		3	1	50	58.4		66	8.4	10		58.	4	0	8	-8
Bellevue G to 59_4		4	1	50	57.5		66	7.5	10		57.	5	0	8	-8
Bellevue G to 59_5		5	1	50	61.2	!	66	11.2	10	Sub'l Inc	61	2	0	8	-8
Bellevue G to 59_6		6	1	50	60.4		66	10.4	10	Sub'l Inc	60.4	4	0	8	-8
Bellevue Lake to G_1		8	1	50	57.8	;	66	7.8	10		57.	3	0	8	-8
Bellevue Lake to G_2		9	1	50	57.4	ı	66	7.4	10		57.	4	0	8	-8
Bellevue Lake to G_3		10	1	50	58.9)	66	8.9	10		58.	9	0	8	-8
Bellevue Lake to G_4		11	1	50	61.1		66	11.1	10	Sub'l Inc	61.	1	0	8	-8
Bellevue Lake to G_5		12	1	50	60.9)	66	10.9	10	Sub'l Inc	60.	9	0	8	-8
Lake Bellevue to Cardella_	1	14	1	50	57.1		66	7.1	10		57.	1	0	8	-8
Lake Bellevue to Cardella_	2	15	1	50	50.1		66	0.1	10		50.	1	0	8	-8
Lake Bellevue to Cardella_	3	16	1	50	52.9)	66	2.9	10-Jan-00		52.	9	0	8	-8
Lake Bellevue to Cardella_	4	17	1	50	58.6	;	66	8.6	10		58.	5	0	8	-8
Lake Cardella to Yosemite_	_1	19	1	50	59.7	,	66	9.7	10		59.	7	0	8	-8
Lake Cardella to Yosemite_	_2	20	1	50	57.8	;	66	7.8	10		57.	3	0	8	-8
Lake Cardella to Yosemite_	_3	21	1	50	55.5		66	5.5	10		55.	5	0	8	-8
Lake Cardella to Yosemite_	_4	22	1	50	56.9)	66	6.9	10		56.	9	0	8	-8
Lake Cardella to Yosemite_	_5	23	1	50	55.8	}	66	5.8	10		55.	3	0	8	-8
Lake Cardella to Yosemite_	_6	24	1	50	57.9)	66	7.9	10		57.	9	0	8	-8
Lake Cardella to Yosemite	7	25	1	50	56.9)	66	6.9	10		56.	9	0	8	-8

Dwelling Units	# DUs	Noise Reduction							
		Min	Avg	Max					
		dB	dB	dB					
					_				
All Selected	22		0	0	0				
All Impacted	6	;	0	0	0				
All that meet NR Goal	0)	0	0	0				

11-Oct-18 TNM 2.5 UCM ISI Calculated with TNM 2.5

RESULTS: SOUND LEVELS PROJECT/CONTRACT:

2020 LRDP 2030 Plus Project INPUT HEIGHTS RUN: BARRIER DESIGN:

ATMOSPHERICS: 62 deg F, 80% RH Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Re	cei	vei

Name	No. #DU	s Exist		Barrier	Incr	ease over e	existing Type	With Barrie	er Noise Reduction		
		Luc.		c Iculated Crit'n		Calculated Crit'n			Calculated Goal		
						Sub	'l Inc			mir	nus
										Goa	al
		dBA	dB	A dBA	dB	dB		dBA	dB dB	dB	
Bellevue G to 59_1	1	1	50	60.7	66	10.7	10 Sub'l Inc	60.7	0	8	-8
Bellevue G to 59_2	2	1	50	61.1	66	11.1	10 Sub'l Inc	61.1	0	8	-8
Bellevue G to 59_3	3	1	50	58.6	66	8.6	10	58.6	0	8	-8
Bellevue G to 59_4	4	1	50	57.8	66	7.8	10	57.8	0	8	-8
Bellevue G to 59_5	5	1	50	61.6	66	11.6	10 Sub'l Inc	61.6	0	8	-8
Bellevue G to 59_6	6	1	50	60.8	66	10.8	10 Sub'l Inc	60.8	0	8	-8
Bellevue Lake to G_1	8	1	50	59.2	66	9.2	10	59.2	0	8	-8
Bellevue Lake to G_2	9	1	50	58.9	66	8.9	10	58.9	0	8	-8
Bellevue Lake to G_3	10	1	50	60.3	66	10.3	10 Sub'l Inc		0	8	-8
Bellevue Lake to G_4	11	1	50	62.6	66	12.6	10 Sub'l Inc	62.6	0	8	-8
Bellevue Lake to G_5	12	1	50	62.4	66	12.4	10 Sub'l Inc	62.4	0	8	-8
Lake Bellevue to Cardella_1	14	1	50	59.5	66	9.5	10	59.5	0	8	-8
Lake Bellevue to Cardella_2	15	1	50	52.5	66	2.5	10	52.5	0	8	-8
Lake Bellevue to Cardella_3	16	1	50	55.3	66	5.3 10	-Jan-00	55.3	0	8	-8
Lake Bellevue to Cardella_4	17	1	50	61.1	66	11.1	10 Sub'l Inc		0	8	-8
Lake Cardella to Yosemite_1	19	1	50	62.6	66	12.6	10 Sub'l Inc	62.6	0	8	-8
Lake Cardella to Yosemite_2	20	1	50	60.7	66	10.7	10 Sub'l Inc	60.7	0	8	-8
Lake Cardella to Yosemite_3	21	1	50	58.4	66	8.4	10	58.4	0	8	-8
Lake Cardella to Yosemite_4	22	1	50	59.8	66	9.8	10	59.8	0	8	-8
Lake Cardella to Yosemite_5	23	1	50	58.7	66	8.7	10	58.7	0	8	-8
Lake Cardella to Yosemite_6	24	1	50	60.8	66	10.8	10 Sub'l Inc	60.8	0	8	-8
Lake Cardella to Yosemite_7	25	1	50	59.8	66	9.8	10	59.8	0	8	-8

# DUs	Noise Reduction						
	Min	Avg	Max				
	dB	dB	dB				
22	2	0	0	0			
11	L	0	0	0			
C)	0	0	0			
	22	Min	Min Avg dB dB	Min Avg Max dB dB dB 22 0 0 11 0 0			

16-Oct-18 TNM 2.5

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 2020 LRDP
RUN: 2035 No Project
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 62 deg F, 80% 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	Existir Lden	0	No Barrie Lden	r		Increase o	er existing	Tyne	With Barr		duction		
			Eden		Calculate	d Crit'n		Calculated	U	Impact	Lden	Calculate			lculated nus
			dBA		dBA	dBA		dB	dB		dBA	dB	dB	dB	
Bellevue G to 59 1		1	1	50	60.	5	66	10.5	10	Sub'l Inc	60.5	5	0	8	-8
Bellevue G to 59_2		2	1	50	6:	L	66	11	10	Sub'l Inc	63	l	0	8	-8
Bellevue G to 59_3		3	1	50	58.	5	66	8.5	10		58.5	5	0	8	-8
Bellevue G to 59_4		4	1	50	57.0	5	66	7.6	10		57.6	5	0	8	-8
Bellevue G to 59_5		5	1	50	61.3	3	66	11.3	10	Sub'l Inc	61.3	3	0	8	-8
Bellevue G to 59_6		6	1	50	60.6	5	66	10.6	10	Sub'l Inc	60.6	5	0	8	-8
Bellevue Lake to G_1		8	1	50	57.8	3	66	7.8	10		57.8	3	0	8	-8
Bellevue Lake to G_2		9	1	50	57.4	1	66	7.4	10		57.4	1	0	8	-8
Bellevue Lake to G_3	1	.0	1	50	58.9)	66	8.9	10		58.9	9	0	8	-8
Bellevue Lake to G_4	1	1	1	50	61.:	L	66	11.1	10	Sub'l Inc	61.3	l	0	8	-8
Bellevue Lake to G_5	1	.2	1	50	6:	L	66	11	10	Sub'l Inc	63	l	0	8	-8
Lake Bellevue to Cardella_1	1	4	1	50	57.3	L	66	7.1	10		57.3	l	0	8	-8
Lake Bellevue to Cardella_2	1	.5	1	50	50.:	L	66	0.1	10		50.3	l	0	8	-8
Lake Bellevue to Cardella_3	1	.6	1	50	52.9)	66	2.9	10-Jan-00		52.9	9	0	8	-8
Lake Bellevue to Cardella_4	1	.7	1	50	58.7	7	66	8.7	10		58.7	7	0	8	-8
Lake Cardella to Yosemite_1	l 1	.9	1	50	59.7	7	66	9.7	10		59.7	7	0	8	-8
Lake Cardella to Yosemite_2	2 2	0	1	50	57.8	3	66	7.8	10		57.8	3	0	8	-8
Lake Cardella to Yosemite_3	3 2	1	1	50	55.0	5	66	5.6	10		55.6	5	0	8	-8
Lake Cardella to Yosemite_4	1 2	2	1	50	56.9)	66	6.9	10		56.9	€	0	8	-8
Lake Cardella to Yosemite_5	5 2	3	1	50	55.8	3	66	5.8	10		55.8	3	0	8	-8
Lake Cardella to Yosemite_6	5 2	4	1	50	57.9)	66	7.9	10		57.9	•	0	8	-8
Lake Cardella to Yosemite	7 2	5	1	50	56.9)	66	6.9	10		56.9)	0	8	-8

Dwelling Units	# DUs	Noise Reduction								
		Min	Avg	Max						
		dB	dB	dB						
All Selected	22	2	0	0	0					
All Impacted	(5	0	0	0					
All that meet NR Goal	()	0	0	0					

16-Oct-18 TNM 2.5

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 2020 LRDP
RUN: 2035 With Project
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 62 deg F, 80% 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 Lden	No Barri	er		ncrease ov	er existing	Tyne	With Barri	ier I Noise Red	uction		
			Lucii	Calculate	ed Crit'n		Calculated	U	Impact	Lden	Calculated		Calcula	
			dBA	dBA	dBA	C	dB	dB		dBA	dB	dB	Goal dB	
Bellevue G to 59 1	1		1 50) 60	.9	66	10.9	10	Sub'l Inc	60.9) ()	8	-8
Bellevue G to 59 2	2	!	1 50	61	.3	66	11.3	10	Sub'l Inc	61.3	3 ()	8	-8
Bellevue G to 59_3	3	1	1 50	58	.9	66	8.9	10		58.9) ()	8	-8
Bellevue G to 59_4	4		1 50) 5	8	66	8	10		58	3 ()	8	-8
Bellevue G to 59_5	5	i	1 50	61	.8	66	11.8	10	Sub'l Inc	61.8	3 ()	8	-8
Bellevue G to 59_6	6	i	1 50) (51	66	11	10	Sub'l Inc	61	. ()	8	-8
Bellevue Lake to G_1	8	;	1 50	59	.8	66	9.8	10		59.8	3 ()	8	-8
Bellevue Lake to G_2	9)	1 50	59	.4	66	9.4	10		59.4	. ()	8	-8
Bellevue Lake to G_3	10)	1 50	60	.9	66	10.9	10	Sub'l Inc	60.9) ()	8	-8
Bellevue Lake to G_4	11		1 50	63	.1	66	13.1	10	Sub'l Inc	63.1)	8	-8
Bellevue Lake to G_5	12	!	1 50	62	.9	66	12.9	10	Sub'l Inc	62.9) ()	8	-8
Lake Bellevue to Cardella_1	14	ļ	1 50	0 60	.2	66	10.2	10	Sub'l Inc	60.2	! ()	8	-8
Lake Bellevue to Cardella_2	15	i	1 50	53	.2	66	3.2	10		53.2	! ()	8	-8
Lake Bellevue to Cardella_3	16	;	1 50	56	.1	66	6.1	10-Jan-00		56.1)	8	-8
Lake Bellevue to Cardella_4	17	'	1 50	61	.8	66	11.8	10	Sub'l Inc	61.8	3 ()	8	-8
Lake Cardella to Yosemite_1	l 19	1	1 50	63	.4	66	13.4	10	Sub'l Inc	63.4	. ()	8	-8
Lake Cardella to Yosemite_2	2 20)	1 50	61	.5	66	11.5	10	Sub'l Inc	61.5	5 ()	8	-8
Lake Cardella to Yosemite_3	3 21		1 50	59	.2	66	9.2	10		59.2	2 ()	8	-8
Lake Cardella to Yosemite_4	1 22		1 50	0 60	.6	66	10.6	10	Sub'l Inc	60.6	5 ()	8	-8
Lake Cardella to Yosemite_5	23	1	1 50	59	.5	66	9.5	10		59.5	5 ()	8	-8
Lake Cardella to Yosemite_6	24		1 50	61	.6	66	11.6	10	Sub'l Inc	61.6	5 ()	8	-8
Lake Cardella to Yosemite	7 25		1 50) 60	.6	66	10.6	10	Sub'l Inc	60.6	5 ()	8	-8

Dwelling Units	# DUs	Noise	Noise Reduction			
		Min	Avg	Max		
		dB	dB	dB		
All Selected	22	,	0	0	0	
All Impacted	14	=	0	0	0	
All that meet NR Goal	()	0	0	0	

Receptor	Existing	2030 No Project	2030 + Project
Bellevue - G to 59	60.9	61.2	61.6
Bellevue - Lake to G	61.0	61.1	62.6
Lake - Bellevue to Cardella	58.5	58.6	61.1
Lake - Cardella to Yosemite	59.6	59.7	62.6
Receptor	2035 No Project	2035 + Project	
Bellevue - G to 59	61.3	61.8	
Bellevue - Lake to G	61.1	63.1	
Lake - Bellevue to Cardella	58.7	61.8	
Lake - Cardella to Yosemite	59.7	63.4	
Receptor	2030 No Project Minus Existing	2030 With Project Minus Existing	2030 with Project Minus 2030 No Project
Bellevue - G to 59	0.3	0.7	0.4
		0.7	0.4
Bellevue - Lake to G	0.1	1.6	1.5
Bellevue - Lake to G	0.1	1.6	1.5
Bellevue - Lake to G Lake - Bellevue to Cardella	0.1 0.1	1.6 2.6	1.5 2.5
Bellevue - Lake to G Lake - Bellevue to Cardella	0.1 0.1	1.6 2.6	1.5 2.5
Bellevue - Lake to G Lake - Bellevue to Cardella Lake - Cardella to Yosemite	0.1 0.1 0.1	1.6 2.6 3.0	1.5 2.5 2.9
Bellevue - Lake to G Lake - Bellevue to Cardella Lake - Cardella to Yosemite Receptor	0.1 0.1 0.1 2035 No Project Minus Existing	1.6 2.6 3.0 2035 With Project Minus Existing	1.5 2.5 2.9 2035 with Project Minus 2035 No Project
Bellevue - Lake to G Lake - Bellevue to Cardella Lake - Cardella to Yosemite Receptor Bellevue - G to 59	0.1 0.1 0.1 2035 No Project Minus Existing 0.4	1.6 2.6 3.0 2035 With Project Minus Existing 0.9	1.5 2.5 2.9 2035 with Project Minus 2035 No Project 0.5
Bellevue - Lake to G Lake - Bellevue to Cardella Lake - Cardella to Yosemite Receptor Bellevue - G to 59 Bellevue - Lake to G	0.1 0.1 0.1 2035 No Project Minus Existing 0.4 0.1	1.6 2.6 3.0 2035 With Project Minus Existing 0.9 2.1	1.5 2.5 2.9 2035 with Project Minus 2035 No Project 0.5 2.0