SAN DIEGO ASSOCIATION OF GOVERNMENTS

BORDER TO BAYSHORE BIKEWAY

TRAFFIC & SAFETY IMPACT ASSESSMENT

APPENDICES B-E

FINAL
OCTOBER 29, 2018

APPENDICES

APPENDIX

B EXISTING LEVEL OF TRAFFIC STRESS

QUALITY/CALIDAD

Level of Traffic Stress is a widely accepted measure of the quality of bike facilities. It evaluates several criteria to determine the overall comfort of a bike facility to different users. The map at right depicts three levels of quality or comfort: El Nivel de tráfico es una medida ampliamente aceptada para medirla calidad de las instalaciones para el uso de la bicicleta. Se evalúan varios criterios para determinar la comodidad general de una instalación de bicicletas para diferentes usuarios. El mapa de la derecha muestra tres niveles de calidad o comodidad:

- **Best: Comfortable for all riders**
  Optima: Apto para todos los ciclistas
- **Moderate: For more experienced riders**
  Moderar: Para ciclistas con más experiencia
- **Worst: Only for highly confident riders**
  Peor: Solo para ciclistas altamente confiados

Study Area/ Área de estudio

The study area is characterized by a wide range of facilities. In general: El área de estudio se caracteriza por una amplia gama de instalaciones. En general:

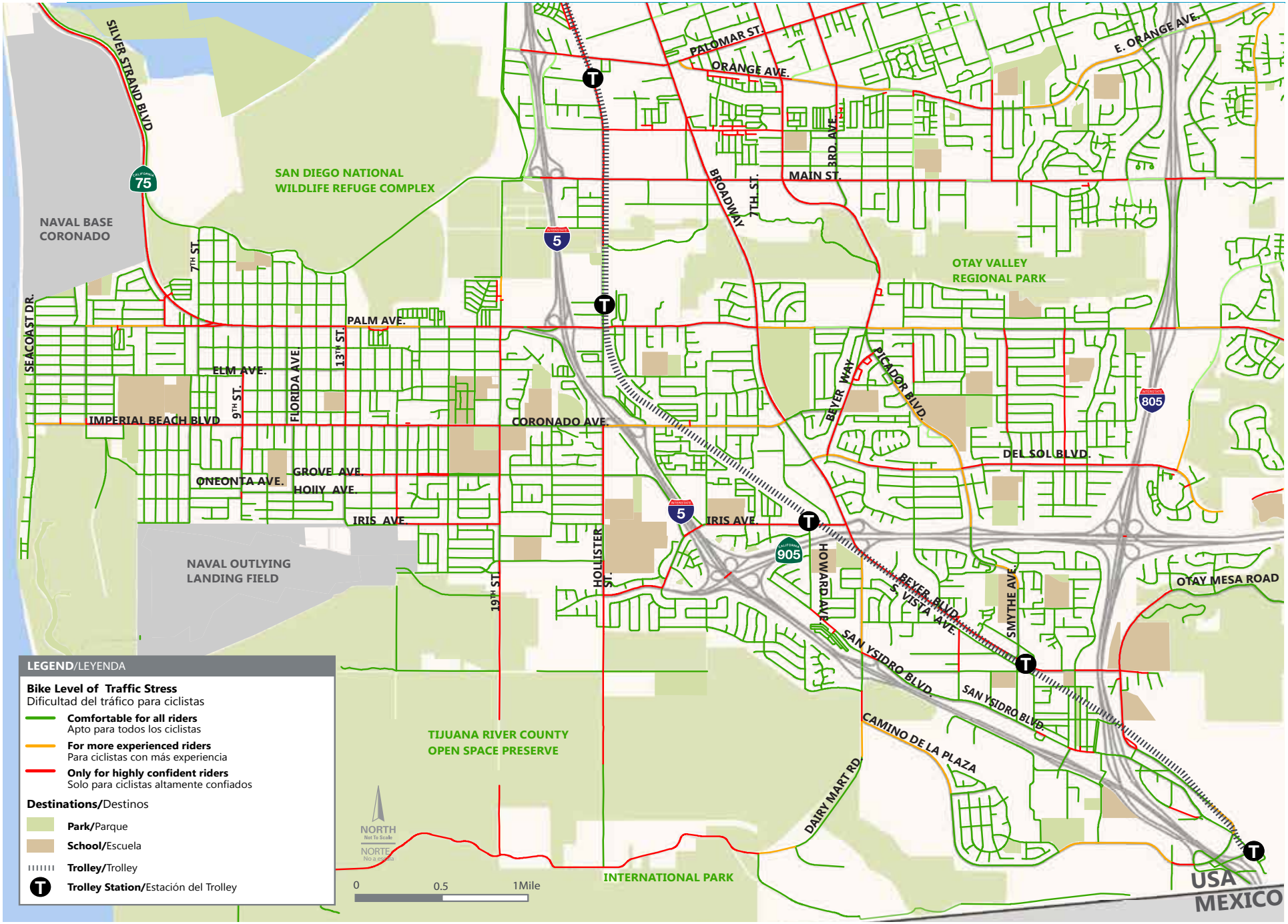
- **The most comfortable bike routes are separated trails and smaller roadways in residential areas.** Las rutas más cómodas para los ciclistas , so los la separados y caminos más pequeños en áreas residenciales.
- **The least comfortable bike routes are along major roadways such as Palm Avenue, Imperial Beach Boulevard, and Beyer Boulevard. They act as barriers to connectivity within the study area.** Las rutas menos cómodas para los ciclistas son a lo largo de las carreteras principales tales como avenida de la palma, bulevar imperial de la playa, y bulevar *de Beyer.* Actúan como barreras a la conectividad dentro del área de estudio.

Evaluation Criteria/ Criterios de evaluación

The evaluation criteria vary by facility type: Los criterios de evaluación varían según el tipo de establecimiento:

- **Multi-use paths and other separated facilities are automatically given the best rating, as they are physically separated from vehicular traffic and therefore unaffected by the auto-centric criteria in the table.** Las vías de acceso múltiple y otras instalaciones separadas del trafico vehicular reciben automáticamente la mejor calificación, ya que están físicamente separadas del tráfico y, por lo tanto, no se ven afectadas por los criterios autocéntricos de la tabla.
- **Bike lanes are rated based on the roadway speed, number of auto lanes, width of the bike lanes, and the frequency of blockages.** Los carriles de bicicletas se clasifican según la velocidad de la carretera, el número de carriles automáticos, el ancho de los carriles de carros y la frecuencia de bloqueos.
- **Shared bike routes are rated based on the roadway speed, number of auto lanes, and the presence of residential land uses surrounding the facility.** Las rutas de bicicletas compartidas se clasifican en función de la velocidad de la carretera, el número de carriles de carros y la presencia de areas residenciales que rodean la instalación.

QUALITY/CALIDAD



APPENDIX

C TRAFFIC COUNTS

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

13TH STREET - CYPRESS AVENUE TO PALM AVENUE

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	7		4					12:00	58		85				
00:15	2		4					12:15	35		66				
00:30	1		5					12:30	45		76				
00:45	6	16	6	19			35	12:45	34	172	64	291			463
01:00	1		3					13:00	35		78				
01:15	1		3					13:15	57		74				
01:30	2		1					13:30	45		76				
01:45	1	5	1	8			13	13:45	43	180	78	306			486
02:00	1		0					14:00	58		83				
02:15	0		0					14:15	49		79				
02:30	1		2					14:30	49		93				
02:45	0	2	1	3			5	14:45	37	193	83	338			531
03:00	1		5					15:00	46		87				
03:15	1		0					15:15	53		81				
03:30	2		5					15:30	58		78				
03:45	0	4	5	15			19	15:45	53	210	85	331			541
04:00	1		4					16:00	62		90				
04:15	1		9					16:15	55		76				
04:30	3		13					16:30	44		89				
04:45	1	6	21	47			53	16:45	50	211	91	346			557
05:00	3		17					17:00	57		72				
05:15	1		28					17:15	49		70				
05:30	4		18					17:30	52		65				
05:45	8	16	27	90			106	17:45	60	218	66	273			491
06:00	9		25					18:00	48		94				
06:15	9		29					18:15	50		80				
06:30	15		57					18:30	55		61				
06:45	15	48	46	157			205	18:45	57	210	64	299			509
07:00	25		53					19:00	36		80				
07:15	33		54					19:15	48		56				
07:30	24		68					19:30	52		49				
07:45	38	120	87	262			382	19:45	29	165	67	252			417
08:00	43		97					20:00	33		42				
08:15	36		52					20:15	28		33				
08:30	24		54					20:30	24		51				
08:45	28	131	47	250			381	20:45	19	104	39	165			269
09:00	25		41					21:00	21		30				
09:15	22		47					21:15	17		23				
09:30	26		63					21:30	17		20				
09:45	47	120	50	201			321	21:45	10	65	14	87			152
10:00	34		70					22:00	8		13				
10:15	35		56					22:15	9		12				
10:30	39		59					22:30	8		22				
10:45	35	143	82	267			410	22:45	11	36	8	55			91
11:00	36		68					23:00	10		9				
11:15	47		68					23:15	8		4				
11:30	44		80					23:30	4		7				
11:45	31	158	58	274			432	23:45	3	25	5	25			50
Total Vol.		769		1593			**2362**			1789		2768			**4557**

Daily Totals

NB	SB	EB	WB	**Combined**
2558	4361			**6919**

	AM			**PM**		
Split %	32.6%	67.4%	**34.1%**	39.3%	60.7%	**65.9%**
Peak Hour	11:15	07:15	**11:15**	15:30	16:00	**15:15**
Volume	180	306	**471**	228	346	**560**
P.H.F.	0.78	0.79	**0.82**	0.95	0.95	**0.92**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

13TH STREET - PALM AVENUE TO IMPERIAL BEACH BOULEVARD

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		11					12:00	74		91				
00:15	4		11					12:15	66		70				
00:30	4		4					12:30	73		72				
00:45	3	14	1	27			41	12:45	67	280	80	313			593
01:00	4		2					13:00	63		68				
01:15	3		1					13:15	63		100				
01:30	4		5					13:30	63		58				
01:45	3	14	2	10			24	13:45	60	249	85	311			560
02:00	1		2					14:00	64		89				
02:15	1		1					14:15	58		102				
02:30	2		2					14:30	67		130				
02:45	6	10	7	12			22	14:45	65	254	97	418			672
03:00	2		0					15:00	61		126				
03:15	3		2					15:15	88		112				
03:30	7		1					15:30	53		96				
03:45	5	17	1	4			21	15:45	74	276	130	464			740
04:00	9		2					16:00	82		102				
04:15	10		2					16:15	63		103				
04:30	13		5					16:30	63		101				
04:45	18	50	7	16			66	16:45	63	271	96	402			673
05:00	29		7					17:00	75		107				
05:15	27		5					17:15	58		85				
05:30	37		6					17:30	65		98				
05:45	37	130	13	31			161	17:45	74	272	91	381			653
06:00	43		22					18:00	80		70				
06:15	64		32					18:15	72		74				
06:30	59		41					18:30	57		58				
06:45	64	230	30	125			355	18:45	62	271	52	254			525
07:00	73		41					19:00	49		69				
07:15	63		48					19:15	54		54				
07:30	80		77					19:30	49		56				
07:45	81	297	123	289			586	19:45	55	207	62	241			448
08:00	99		98					20:00	52		44				
08:15	82		77					20:15	43		44				
08:30	59		64					20:30	41		62				
08:45	52	292	53	292			584	20:45	38	174	48	198			372
09:00	68		42					21:00	35		45				
09:15	74		61					21:15	25		39				
09:30	80		58					21:30	25		29				
09:45	68	290	59	220			510	21:45	30	115	31	144			259
10:00	52		59					22:00	25		30				
10:15	78		50					22:15	23		36				
10:30	45		69					22:30	9		17				
10:45	73	248	58	236			484	22:45	18	75	18	101			176
11:00	64		71					23:00	15		16				
11:15	77		60					23:15	10		23				
11:30	78		74					23:30	6		13				
11:45	69	288	86	291			579	23:45	6	37	4	56			93
Total Vol.		1880		1553			**3433**			2481		3283			**5764**

Daily Totals

NB	SB	EB	WB	**Combined**
4361	4836			**9197**

	AM			**PM**		
Split %	54.8%	45.2%	**37.3%**	43.0%	57.0%	**62.7%**
Peak Hour	07:30	07:30	**07:30**	15:15	14:30	**14:30**
Volume	342	375	**717**	297	465	**746**
P.H.F.	0.86	0.76	**0.88**	0.82	0.89	**0.93**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

13TH STREET - IMPERIAL BEACH BOULEVARD TO GROVE AVENUE

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	5		14					12:00	79		102				
00:15	9		14					12:15	74		93				
00:30	5		12					12:30	81		83				
00:45	4	23	4	44			67	12:45	69	303	80	358			661
01:00	4		8					13:00	72		73				
01:15	2		8					13:15	74		85				
01:30	2		3					13:30	84		50				
01:45	3	11	1	20			31	13:45	82	312	78	286			598
02:00	1		1					14:00	89		84				
02:15	1		2					14:15	103		78				
02:30	3		1					14:30	108		93				
02:45	1	6	4	8			14	14:45	87	387	129	384			771
03:00	2		1					15:00	80		94				
03:15	9		3					15:15	141		106				
03:30	9		1					15:30	104		93				
03:45	8	28	0	5			33	15:45	95	420	133	426			846
04:00	10		2					16:00	101		102				
04:15	15		3					16:15	81		89				
04:30	17		3					16:30	86		82				
04:45	34	76	9	17			93	16:45	83	351	101	374			725
05:00	40		8					17:00	92		90				
05:15	42		8					17:15	76		83				
05:30	52		7					17:30	99		90				
05:45	44	178	15	38			216	17:45	91	358	84	347			705
06:00	57		26					18:00	81		75				
06:15	70		40					18:15	83		70				
06:30	73		51					18:30	81		65				
06:45	75	275	44	161			436	18:45	86	331	70	280			611
07:00	104		49					19:00	49		54				
07:15	97		58					19:15	52		55				
07:30	109		50					19:30	56		49				
07:45	110	420	78	235			655	19:45	59	216	64	222			438
08:00	130		84					20:00	56		72				
08:15	81		87					20:15	55		52				
08:30	63		68					20:30	33		50				
08:45	68	342	67	306			648	20:45	52	196	47	221			417
09:00	78		67					21:00	36		61				
09:15	71		55					21:15	40		39				
09:30	66		59					21:30	22		40				
09:45	69	284	56	237			521	21:45	30	128	49	189			317
10:00	81		50					22:00	29		34				
10:15	71		65					22:15	26		41				
10:30	55		75					22:30	21		27				
10:45	74	281	59	249			530	22:45	10	86	21	123			209
11:00	79		64					23:00	15		20				
11:15	97		75					23:15	7		24				
11:30	96		79					23:30	9		14				
11:45	86	358	94	312			670	23:45	17	48	11	69			117
Total Vol.		2282		1632			**3914**			3136		3279			**6415**

Daily Totals

NB	SB	EB	WB	Combined
5418	4911			**10329**

	AM			PM		
Split %	58.3%	41.7%	**37.9%**	48.9%	51.1%	**62.1%**
Peak Hour	07:15	11:45	**07:30**	15:15	15:15	**15:15**
Volume	446	372	**729**	441	434	**875**
P.H.F.	0.86	0.91	**0.85**	0.77	0.82	**0.89**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

GROVE AVENUE / HALO STREET - 13TH STREET TO 19TH STREET

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		2			12:00			16		14		
00:15			3		0			12:15			13		11		
00:30			0		1			12:30			16		13		
00:45			0	3	1	4	7	12:45			6	51	21	59	110
01:00			1		1			13:00			13		17		
01:15			1		0			13:15			14		22		
01:30			0		1			13:30			19		21		
01:45			0	2	0	2	4	13:45			20	66	16	76	142
02:00			1		0			14:00			20		24		
02:15			2		0			14:15			40		21		
02:30			0		0			14:30			28		53		
02:45			0	3	1	1	4	14:45			31	119	34	132	251
03:00			2		1			15:00			24		51		
03:15			0		0			15:15			74		67		
03:30			2		1			15:30			39		33		
03:45			2	6	1	3	9	15:45			26	163	33	184	347
04:00			2		0			16:00			21		19		
04:15			0		0			16:15			25		28		
04:30			5		0			16:30			26		31		
04:45			1	8	2	2	10	16:45			26	98	29	107	205
05:00			4		3			17:00			25		32		
05:15			4		0			17:15			17		26		
05:30			4		2			17:30			19		29		
05:45			4	16	4	9	25	17:45			22	83	22	109	192
06:00			4		4			18:00			27		29		
06:15			8		8			18:15			27		22		
06:30			8		9			18:30			19		27		
06:45			14	34	11	32	66	18:45			15	88	35	113	201
07:00			19		31			19:00			15		15		
07:15			30		23			19:15			12		19		
07:30			57		41			19:30			6		20		
07:45			62	168	66	161	329	19:45			9	42	13	67	109
08:00			65		86			20:00			10		9		
08:15			22		19			20:15			7		10		
08:30			14		6			20:30			7		11		
08:45			17	118	23	134	252	20:45			10	34	9	39	73
09:00			10		20			21:00			10		10		
09:15			12		13			21:15			6		8		
09:30			16		13			21:30			6		18		
09:45			8	46	12	58	104	21:45			6	28	9	45	73
10:00			14		21			22:00			7		4		
10:15			16		8			22:15			2		10		
10:30			10		8			22:30			7		3		
10:45			9	49	10	47	96	22:45			2	18	2	19	37
11:00			9		16			23:00			1		4		
11:15			12		13			23:15			3		4		
11:30			11		17			23:30			3		2		
11:45			7	39	13	59	98	23:45			0	7	4	14	21
Total Vol.				492		512	**1004**					797		964	**1761**

Daily Totals

NB	SB	EB	WB	Combined
		1289	1476	**2765**

	AM			PM		
Split %	49.0%	51.0%	**36.3%**	45.3%	54.7%	**63.7%**
Peak Hour	07:15	07:15	**07:15**	14:45	14:30	**14:30**
Volume	214	216	**430**	168	205	**362**
P.H.F.	0.82	0.63	**0.71**	0.57	0.76	**0.64**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

GROVE AVENUE / INGRID AVENUE - 19TH STREET TO HOLLISTER STREET / ORO VISTA ROAD

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			2		3			12:00			15		23		
00:15			3		2			12:15			15		33		
00:30			1		0			12:30			24		18		
00:45			0	6	0	5	11	12:45			15	69	24	98	167
01:00			1		2			13:00			17		28		
01:15			2		1			13:15			17		32		
01:30			1		0			13:30			21		32		
01:45			0	4	1	4	8	13:45			19	74	24	116	190
02:00			0		0			14:00			32		43		
02:15			2		0			14:15			39		46		
02:30			0		0			14:30			44		84		
02:45			0	2	1	1	3	14:45			41	156	41	214	370
03:00			1		0			15:00			57		31		
03:15			0		0			15:15			66		35		
03:30			0		0			15:30			56		33		
03:45			1	2	1	1	3	15:45			40	219	34	133	352
04:00			2		1			16:00			36		29		
04:15			0		1			16:15			46		47		
04:30			2		1			16:30			39		36		
04:45			1	5	4	7	12	16:45			35	156	29	141	297
05:00			2		5			17:00			33		41		
05:15			5		5			17:15			37		39		
05:30			1		8			17:30			44		34		
05:45			3	11	9	27	38	17:45			24	138	33	147	285
06:00			5		7			18:00			39		40		
06:15			5		13			18:15			37		33		
06:30			5		16			18:30			26		26		
06:45			7	22	17	53	75	18:45			24	126	36	135	261
07:00			16		51			19:00			13		23		
07:15			17		38			19:15			17		25		
07:30			40		58			19:30			18		24		
07:45			36	109	104	251	360	19:45			17	65	19	91	156
08:00			47		76			20:00			19		14		
08:15			23		29			20:15			13		14		
08:30			34		23			20:30			15		23		
08:45			22	126	21	149	275	20:45			12	59	11	62	121
09:00			11		34			21:00			15		9		
09:15			21		19			21:15			5		11		
09:30			23		16			21:30			9		17		
09:45			10	65	18	87	152	21:45			8	37	11	48	85
10:00			24		22			22:00			9		9		
10:15			12		19			22:15			5		11		
10:30			12		7			22:30			10		2		
10:45			15	63	17	65	128	22:45			2	26	2	24	50
11:00			12		21			23:00			3		4		
11:15			19		24			23:15			7		3		
11:30			15		22			23:30			3		6		
11:45			21	67	15	82	149	23:45			2	15	2	15	30
Total Vol.				482		732	**1214**					1140		1224	**2364**

Daily Totals

NB	SB	EB	WB	Combined
		1622	1956	**3578**

	AM			PM		
Split %	39.7%	60.3%	**33.9%**	48.2%	51.8%	**66.1%**
Peak Hour	07:30	07:15	**07:15**	14:45	14:00	**14:30**
Volume	146	276	**416**	220	214	**399**
P.H.F.	0.78	0.66	**0.74**	0.83	0.64	**0.78**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

ORO VISTA ROAD - GROVE AVENUE / INGRID AVENUE TO IRIS AVENUE

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	6		2					12:00	28		22				
00:15	5		4					12:15	33		30				
00:30	4		8					12:30	25		29				
00:45	1	16	3	17			33	12:45	24	110	20	101			211
01:00	1		4					13:00	36		22				
01:15	2		2					13:15	27		22				
01:30	1		2					13:30	42		33				
01:45	2	6	1	9			15	13:45	32	137	16	93			230
02:00	1		2					14:00	50		35				
02:15	2		2					14:15	47		42				
02:30	3		3					14:30	69		66				
02:45	1	7	1	8			15	14:45	65	231	78	221			452
03:00	2		2					15:00	77		69				
03:15	1		1					15:15	58		61				
03:30	4		0					15:30	37		70				
03:45	4	11	4	7			18	15:45	54	226	58	258			484
04:00	2		1					16:00	42		44				
04:15	7		3					16:15	46		45				
04:30	8		6					16:30	49		32				
04:45	8	25	4	14			39	16:45	38	175	59	180			355
05:00	11		4					17:00	56		48				
05:15	11		17					17:15	39		48				
05:30	14		14					17:30	53		42				
05:45	10	46	11	46			92	17:45	49	197	59	197			394
06:00	13		13					18:00	41		39				
06:15	12		16					18:15	50		42				
06:30	18		14					18:30	52		36				
06:45	55	98	29	72			170	18:45	38	181	34	151			332
07:00	87		58					19:00	33		29				
07:15	39		51					19:15	47		33				
07:30	61		44					19:30	40		28				
07:45	90	277	67	220			497	19:45	34	154	34	124			278
08:00	57		50					20:00	41		38				
08:15	44		33					20:15	34		26				
08:30	22		40					20:30	44		36				
08:45	30	153	28	151			304	20:45	24	143	21	121			264
09:00	17		19					21:00	17		22				
09:15	18		15					21:15	32		22				
09:30	13		25					21:30	19		22				
09:45	16	64	25	84			148	21:45	13	81	14	80			161
10:00	14		17					22:00	18		14				
10:15	20		21					22:15	17		13				
10:30	17		16					22:30	21		17				
10:45	26	77	28	82			159	22:45	19	75	14	58			133
11:00	17		18					23:00	15		11				
11:15	21		23					23:15	10		11				
11:30	27		24					23:30	8		3				
11:45	26	91	21	86			177	23:45	6	39	7	32			71
Total Vol.		871		796			**1667**			1749		1616			**3365**

Daily Totals

NB	SB	EB	WB	**Combined**
2620	2412			**5032**

	AM			**PM**		
Split %	52.2%	47.8%	**33.1%**	52.0%	48.0%	**66.9%**
Peak Hour	07:00	07:00	**07:00**	14:30	14:45	**14:30**
Volume	277	220	**497**	269	278	**543**
P.H.F.	0.77	0.82	**0.79**	0.94	0.89	**0.93**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

IRIS AVENUE - ORO VISTA ROAD TO E BEYER BOULEVARD

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		9			12:00			27		45		
00:15			5		8			12:15			42		35		
00:30			5		5			12:30			26		61		
00:45			1	16	3	25	41	12:45			34	129	41	182	311
01:00			0		3			13:00			43		37		
01:15			0		3			13:15			40		41		
01:30			3		3			13:30			33		40		
01:45			1	4	1	10	14	13:45			51	167	41	159	326
02:00			1		2			14:00			29		55		
02:15			1		0			14:15			47		56		
02:30			3		3			14:30			53		75		
02:45			3	8	1	6	14	14:45			62	191	74	260	451
03:00			3		3			15:00			77		74		
03:15			3		2			15:15			67		73		
03:30			5		1			15:30			48		52		
03:45			7	18	3	9	27	15:45			57	249	55	254	503
04:00			4		1			16:00			46		59		
04:15			4		5			16:15			40		66		
04:30			9		9			16:30			44		61		
04:45			10	27	7	22	49	16:45			64	194	64	250	444
05:00			18		10			17:00			57		79		
05:15			20		7			17:15			39		81		
05:30			20		7			17:30			45		66		
05:45			26	84	11	35	119	17:45			57	198	60	286	484
06:00			29		14			18:00			52		54		
06:15			21		14			18:15			37		51		
06:30			27		18			18:30			48		43		
06:45			44	121	52	98	219	18:45			42	179	37	185	364
07:00			44		51			19:00			37		41		
07:15			46		50			19:15			40		61		
07:30			57		49			19:30			29		49		
07:45			67	214	83	233	447	19:45			36	142	41	192	334
08:00			75		64			20:00			33		47		
08:15			59		43			20:15			30		36		
08:30			34		42			20:30			32		36		
08:45			36	204	27	176	380	20:45			28	123	37	156	279
09:00			42		41			21:00			32		36		
09:15			38		29			21:15			27		32		
09:30			34		28			21:30			14		36		
09:45			26	140	29	127	267	21:45			20	93	24	128	221
10:00			21		27			22:00			10		20		
10:15			32		26			22:15			12		21		
10:30			32		20			22:30			8		20		
10:45			31	116	33	106	222	22:45			11	41	12	73	114
11:00			28		31			23:00			6		15		
11:15			31		22			23:15			6		8		
11:30			29		35			23:30			7		10		
11:45			28	116	32	120	236	23:45			7	26	8	41	67
Total Vol.				1068		967	**2035**					1732		2166	**3898**

Daily Totals

NB	SB	EB	WB	Combined
		2800	3133	**5933**

	AM			PM		
Split %	52.5%	47.5%	**34.3%**	44.4%	55.6%	**65.7%**
Peak Hour	07:30	07:15	**07:30**	14:30	14:30	**14:30**
Volume	258	246	**497**	259	296	**555**
P.H.F.	0.86	0.74	**0.83**	0.84	0.99	**0.92**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - SR-905 WB RAMPS TO SR-905 EB RAMPS / DAIRY MART ROAD

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	5		19					12:00	100		154				
00:15	9		24					12:15	134		182				
00:30	12		15					12:30	114		166				
00:45	7	33	11	69			102	12:45	117	465	164	666			1131
01:00	8		8					13:00	100		168				
01:15	9		12					13:15	118		173				
01:30	5		9					13:30	110		160				
01:45	7	29	8	37			66	13:45	100	428	177	678			1106
02:00	4		7					14:00	131		162				
02:15	8		4					14:15	115		172				
02:30	5		7					14:30	132		208				
02:45	9	26	8	26			52	14:45	143	521	238	780			1301
03:00	8		7					15:00	144		253				
03:15	8		13					15:15	115		238				
03:30	8		10					15:30	140		240				
03:45	12	36	10	40			76	15:45	124	523	221	952			1475
04:00	11		15					16:00	133		238				
04:15	13		22					16:15	113		260				
04:30	26		17					16:30	132		242				
04:45	39	89	20	74			163	16:45	126	504	253	993			1497
05:00	44		25					17:00	167		253				
05:15	46		33					17:15	130		254				
05:30	40		44					17:30	133		246				
05:45	44	174	61	163			337	17:45	140	570	238	991			1561
06:00	54		47					18:00	113		222				
06:15	42		66					18:15	120		237				
06:30	66		93					18:30	108		170				
06:45	73	235	101	307			542	18:45	113	454	201	830			1284
07:00	101		105					19:00	110		183				
07:15	104		131					19:15	100		189				
07:30	120		160					19:30	90		153				
07:45	140	465	197	593			1058	19:45	91	391	176	701			1092
08:00	110		208					20:00	92		143				
08:15	130		164					20:15	85		126				
08:30	99		156					20:30	68		124				
08:45	100	439	141	669			1108	20:45	61	306	138	531			837
09:00	83		133					21:00	75		107				
09:15	86		131					21:15	69		108				
09:30	89		124					21:30	46		91				
09:45	95	353	130	518			871	21:45	44	234	73	379			613
10:00	100		135					22:00	27		61				
10:15	91		114					22:15	32		71				
10:30	92		136					22:30	41		51				
10:45	102	385	130	515			900	22:45	35	135	44	227			362
11:00	130		127					23:00	24		44				
11:15	83		130					23:15	9		33				
11:30	100		143					23:30	24		44				
11:45	94	407	144	544			951	23:45	9	66	22	143			209
Total Vol.		2671		3555			**6226**			4597		7871			**12468**

Daily Totals

NB	SB	EB	WB	**Combined**
7268	11426			**18694**

	AM			PM		
Split %	42.9%	57.1%	**33.3%**	36.9%	63.1%	**66.7%**
Peak Hour	07:30	07:30	**07:30**	17:00	16:15	**16:45**
Volume	500	729	**1229**	570	1008	**1562**
P.H.F.	0.89	0.88	**0.91**	0.84	0.97	**0.93**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - DEL SUR BOULEVARD TO SMYTHE AVENUE

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			6		8			12:00			59		60		
00:15			5		6			12:15			56		75		
00:30			6		9			12:30			66		58		
00:45			9	26	5	28	54	12:45			58	239	59	252	491
01:00			4		2			13:00			54		43		
01:15			6		4			13:15			55		64		
01:30			6		3			13:30			59		45		
01:45			4	20	6	15	35	13:45			64	232	52	204	436
02:00			1		5			14:00			65		50		
02:15			4		1			14:15			77		90		
02:30			2		5			14:30			86		70		
02:45			3	10	5	16	26	14:45			106	334	92	302	636
03:00			1		2			15:00			90		88		
03:15			3		1			15:15			74		95		
03:30			4		3			15:30			67		69		
03:45			2	10	6	12	22	15:45			66	297	72	324	621
04:00			5		2			16:00			75		58		
04:15			7		6			16:15			78		65		
04:30			6		9			16:30			75		73		
04:45			5	23	22	39	62	16:45			91	319	71	267	586
05:00			8		15			17:00			88		66		
05:15			16		10			17:15			103		70		
05:30			11		19			17:30			79		64		
05:45			21	56	16	60	116	17:45			113	383	60	260	643
06:00			15		22			18:00			78		60		
06:15			17		17			18:15			72		49		
06:30			17		24			18:30			76		52		
06:45			29	78	21	84	162	18:45			67	293	76	237	530
07:00			44		45			19:00			71		54		
07:15			55		56			19:15			58		60		
07:30			89		59			19:30			51		54		
07:45			87	275	73	233	508	19:45			72	252	34	202	454
08:00			72		81			20:00			41		65		
08:15			54		80			20:15			50		43		
08:30			52		60			20:30			31		36		
08:45			47	225	53	274	499	20:45			35	157	28	172	329
09:00			48		49			21:00			27		49		
09:15			58		34			21:15			39		36		
09:30			48		54			21:30			23		36		
09:45			59	213	45	182	395	21:45			15	104	26	147	251
10:00			58		55			22:00			22		28		
10:15			43		52			22:15			18		25		
10:30			44		63			22:30			29		12		
10:45			48	193	51	221	414	22:45			19	88	14	79	167
11:00			43		69			23:00			20		21		
11:15			54		48			23:15			11		12		
11:30			50		64			23:30			9		16		
11:45			45	192	66	247	439	23:45			8	48	10	59	107
Total Vol.				1321		1411	**2732**					2746		2505	**5251**

Daily Totals

NB	SB	EB	WB	**Combined**
		4067	3916	**7983**

	AM			**PM**		
Split %	48.4%	51.6%	**34.2%**	52.3%	47.7%	**65.8%**
Peak Hour	07:15	07:45	**07:30**	17:00	14:30	**14:30**
Volume	303	294	**595**	383	345	**701**
P.H.F.	0.85	0.91	**0.93**	0.85	0.91	**0.89**

TUESDAY - MAY 9, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - SR-905 EB RAMPS / DAIRY MART ROAD TO DEL SUR BOULEVARD

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		7			12:00			55		56		
00:15			8		7			12:15			63		62		
00:30			7		4			12:30			59		70		
00:45			7	27	9	27	54	12:45			62	239	54	242	481
01:00			5		4			13:00			50		53		
01:15			7		3			13:15			62		51		
01:30			3		5			13:30			55		43		
01:45			3	18	4	16	34	13:45			61	228	54	201	429
02:00			3		2			14:00			66		62		
02:15			2		3			14:15			89		63		
02:30			1		4			14:30			77		70		
02:45			3	9	5	14	23	14:45			105	337	75	270	607
03:00			2		4			15:00			79		75		
03:15			1		6			15:15			89		75		
03:30			3		2			15:30			68		81		
03:45			2	8	7	19	27	15:45			64	300	74	305	605
04:00			4		5			16:00			77		69		
04:15			8		6			16:15			80		60		
04:30			3		8			16:30			69		76		
04:45			3	18	23	42	60	16:45			90	316	72	277	593
05:00			8		24			17:00			86		80		
05:15			12		25			17:15			104		71		
05:30			10		24			17:30			67		67		
05:45			20	50	27	100	150	17:45			109	366	68	286	652
06:00			13		26			18:00			73		55		
06:15			14		36			18:15			68		40		
06:30			19		29			18:30			82		51		
06:45			28	74	41	132	206	18:45			54	277	59	205	482
07:00			40		48			19:00			63		67		
07:15			57		51			19:15			61		49		
07:30			65		67			19:30			50		46		
07:45			74	236	81	247	483	19:45			68	242	53	215	457
08:00			77		56			20:00			43		57		
08:15			51		82			20:15			47		43		
08:30			54		70			20:30			34		33		
08:45			48	230	62	270	500	20:45			44	168	24	157	325
09:00			55		58			21:00			32		31		
09:15			49		55			21:15			35		40		
09:30			45		45			21:30			28		39		
09:45			54	203	61	219	422	21:45			26	121	22	132	253
10:00			56		60			22:00			19		18		
10:15			44		67			22:15			23		13		
10:30			40		54			22:30			26		17		
10:45			41	181	60	241	422	22:45			18	86	17	65	151
11:00			40		64			23:00			30		27		
11:15			46		51			23:15			10		11		
11:30			45		61			23:30			12		10		
11:45			47	178	59	235	413	23:45			8	60	9	57	117
Total Vol.				1232		1562	**2794**					2740		2412	**5152**

Daily Totals

NB	SB	EB	WB	Combined
		3972	3974	**7946**

	AM			PM		
Split %	44.1%	55.9%	**35.2%**	53.2%	46.8%	**64.8%**
Peak Hour	07:15	07:45	**07:30**	17:00	14:45	**17:00**
Volume	273	289	**553**	366	306	**652**
P.H.F.	0.89	0.88	**0.89**	0.84	0.94	**0.92**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - SMYTHE AVENUE TO PARK AVENUE

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			10		5			12:00			87		87		
00:15			6		0			12:15			71		89		
00:30			6		7			12:30			73		91		
00:45			4	26	4	16	42	12:45			83	314	67	334	648
01:00			8		3			13:00			69		57		
01:15			4		5			13:15			71		57		
01:30			1		1			13:30			74		43		
01:45			5	18	3	12	30	13:45			63	277	60	217	494
02:00			2		2			14:00			87		78		
02:15			8		2			14:15			109		100		
02:30			2		4			14:30			82		97		
02:45			4	16	3	11	27	14:45			159	437	89	364	801
03:00			3		3			15:00			150		123		
03:15			5		3			15:15			109		93		
03:30			6		4			15:30			101		91		
03:45			2	16	4	14	30	15:45			81	441	82	389	830
04:00			5		2			16:00			112		72		
04:15			9		10			16:15			92		76		
04:30			6		7			16:30			104		78		
04:45			13	33	18	37	70	16:45			105	413	73	299	712
05:00			9		17			17:00			118		108		
05:15			9		23			17:15			127		77		
05:30			16		25			17:30			114		62		
05:45			21	55	19	84	139	17:45			154	513	61	308	821
06:00			19		43			18:00			101		75		
06:15			23		24			18:15			92		46		
06:30			28		28			18:30			92		47		
06:45			36	106	51	146	252	18:45			97	382	68	236	618
07:00			66		55			19:00			88		62		
07:15			86		79			19:15			68		56		
07:30			145		97			19:30			60		50		
07:45			123	420	160	391	811	19:45			65	281	37	205	486
08:00			111		95			20:00			53		64		
08:15			124		75			20:15			69		36		
08:30			88		65			20:30			37		27		
08:45			81	404	66	301	705	20:45			56	215	26	153	368
09:00			64		62			21:00			44		56		
09:15			72		41			21:15			37		35		
09:30			78		64			21:30			27		32		
09:45			66	280	58	225	505	21:45			27	135	19	142	277
10:00			90		73			22:00			25		18		
10:15			59		69			22:15			20		20		
10:30			63		71			22:30			23		14		
10:45			50	262	67	280	542	22:45			12	80	12	64	144
11:00			68		83			23:00			26		18		
11:15			57		62			23:15			12		9		
11:30			61		71			23:30			14		6		
11:45			56	242	69	285	527	23:45			10	62	3	36	98
Total Vol.				1878		1802	**3680**					3550		2747	**6297**

Daily Totals				
NB	SB	EB	WB	**Combined**
		5428	4549	**9977**

	AM			PM		
Split %	51.0%	49.0%	**36.9%**	56.4%	43.6%	**63.1%**
Peak Hour	07:30	07:15	**07:30**	14:45	14:15	**14:45**
Volume	503	431	**930**	519	409	**915**
P.H.F.	0.87	0.67	**0.82**	0.82	0.83	**0.84**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - FILOI AVENUE TO CENTER STREET

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			6		10			12:00			62		34		
00:15			1		7			12:15			67		28		
00:30			4		4			12:30			47		29		
00:45			0	11	0	21	32	12:45			56	232	37	128	360
01:00			1		5			13:00			28		46		
01:15			3		5			13:15			47		40		
01:30			2		2			13:30			26		32		
01:45			4	10	2	14	24	13:45			31	132	41	159	291
02:00			1		0			14:00			55		45		
02:15			7		5			14:15			77		41		
02:30			1		3			14:30			55		49		
02:45			4	13	4	12	25	14:45			69	256	55	190	446
03:00			3		3			15:00			102		48		
03:15			6		6			15:15			57		42		
03:30			7		6			15:30			46		58		
03:45			3	19	4	19	38	15:45			58	263	37	185	448
04:00			6		9			16:00			68		27		
04:15			10		6			16:15			48		46		
04:30			15		8			16:30			71		32		
04:45			19	50	12	35	85	16:45			54	241	42	147	388
05:00			16		8			17:00			86		43		
05:15			30		6			17:15			52		57		
05:30			29		10			17:30			54		51		
05:45			33	108	18	42	150	17:45			64	256	48	199	455
06:00			32		14			18:00			55		48		
06:15			40		10			18:15			47		42		
06:30			42		28			18:30			43		46		
06:45			46	160	28	80	240	18:45			48	193	37	173	366
07:00			49		30			19:00			55		31		
07:15			59		51			19:15			31		35		
07:30			79		79			19:30			41		36		
07:45			114	301	65	225	526	19:45			28	155	33	135	290
08:00			60		62			20:00			43		27		
08:15			54		32			20:15			36		29		
08:30			53		28			20:30			20		27		
08:45			44	211	25	147	358	20:45			30	129	41	124	253
09:00			38		29			21:00			50		32		
09:15			40		34			21:15			26		35		
09:30			61		34			21:30			15		26		
09:45			45	184	23	120	304	21:45			18	109	23	116	225
10:00			48		29			22:00			11		29		
10:15			40		34			22:15			15		19		
10:30			32		23			22:30			9		15		
10:45			40	160	33	119	279	22:45			3	38	12	75	113
11:00			51		33			23:00			18		17		
11:15			39		25			23:15			5		17		
11:30			36		38			23:30			6		16		
11:45			46	172	33	129	301	23:45			3	32	4	54	86
Total Vol.				1399		963	**2362**					2036		1685	**3721**

Daily Totals

NB	SB	EB	WB	Combined
		3435	2648	**6083**

	AM			PM		
Split %	59.2%	40.8%	**38.8%**	54.7%	45.3%	**61.2%**
Peak Hour	07:15	07:15	**07:15**	14:15	17:15	**14:15**
Volume	312	257	**569**	303	204	**496**
P.H.F.	0.68	0.81	**0.79**	0.74	0.89	**0.83**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E BEYER BOULEVARD - CENTER STREET TO SAN YSIDRO BOULEVARD

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			3		5			12:00			22		15		
00:15			4		2			12:15			25		11		
00:30			2		3			12:30			24		14		
00:45			0	9	1	11	20	12:45			36	107	17	57	164
01:00			0		3			13:00			10		19		
01:15			1		4			13:15			19		24		
01:30			2		1			13:30			16		13		
01:45			0	3	1	9	12	13:45			11	56	21	77	133
02:00			0		0			14:00			30		50		
02:15			3		2			14:15			27		43		
02:30			0		1			14:30			31		37		
02:45			0	3	2	5	8	14:45			29	117	24	154	271
03:00			2		3			15:00			49		46		
03:15			3		6			15:15			21		25		
03:30			1		3			15:30			30		30		
03:45			5	11	3	15	26	15:45			34	134	13	114	248
04:00			2		2			16:00			33		25		
04:15			6		5			16:15			31		22		
04:30			6		6			16:30			30		21		
04:45			9	23	3	16	39	16:45			41	135	19	87	222
05:00			4		3			17:00			51		8		
05:15			6		4			17:15			36		21		
05:30			3		6			17:30			30		15		
05:45			8	21	5	18	39	17:45			36	153	16	60	213
06:00			7		5			18:00			32		23		
06:15			20		7			18:15			26		24		
06:30			6		12			18:30			37		19		
06:45			12	45	9	33	78	18:45			45	140	17	83	223
07:00			8		11			19:00			33		7		
07:15			15		14			19:15			17		19		
07:30			14		23			19:30			27		18		
07:45			18	55	16	64	119	19:45			16	93	25	69	162
08:00			14		7			20:00			21		7		
08:15			19		12			20:15			14		18		
08:30			18		13			20:30			12		14		
08:45			16	67	7	39	106	20:45			13	60	18	57	117
09:00			17		19			21:00			12		9		
09:15			18		9			21:15			13		15		
09:30			23		8			21:30			4		15		
09:45			26	84	18	54	138	21:45			7	36	6	45	81
10:00			19		17			22:00			11		12		
10:15			22		8			22:15			7		15		
10:30			15		14			22:30			7		6		
10:45			9	65	13	52	117	22:45			6	31	5	38	69
11:00			23		8			23:00			7		11		
11:15			14		11			23:15			4		6		
11:30			14		12			23:30			1		6		
11:45			23	74	17	48	122	23:45			2	14	4	27	41
Total Vol.				460		364	**824**					1076		868	**1944**

Daily Totals

NB	SB	EB	WB	Combined
		1536	1232	**2768**

	AM			PM		
Split %	55.8%	44.2%	**29.8%**	55.3%	44.7%	**70.2%**
Peak Hour	11:45	07:00	**11:45**	16:30	14:00	**14:15**
Volume	94	64	**151**	158	154	**286**
P.H.F.	0.94	0.70	**0.94**	0.77	0.77	**0.75**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

W PARK AVENUE - W SEAWARD AVENUE TO W HALL AVENUE

AM Period	NB	SB	EB	WB		PM Period	NB	SB	EB	WB	
00:00		8				12:00		41			
00:15		1				12:15		39			
00:30		3				12:30		27			
00:45		2	14		14	12:45		28	135		135
01:00		3				13:00		24			
01:15		2				13:15		15			
01:30		0				13:30		19			
01:45		1	6		6	13:45		21	79		79
02:00		0				14:00		25			
02:15		1				14:15		39			
02:30		0				14:30		30			
02:45		1	2		2	14:45		57	151		151
03:00		0				15:00		56			
03:15		5				15:15		51			
03:30		1				15:30		30			
03:45		3	9		9	15:45		30	167		167
04:00		5				16:00		44			
04:15		10				16:15		45			
04:30		9				16:30		38			
04:45		7	31		31	16:45		35	162		162
05:00		9				17:00		44			
05:15		11				17:15		40			
05:30		13				17:30		42			
05:45		13	46		46	17:45		53	179		179
06:00		9				18:00		42			
06:15		13				18:15		34			
06:30		16				18:30		28			
06:45		19	57		57	18:45		40	144		144
07:00		16				19:00		39			
07:15		27				19:15		22			
07:30		29				19:30		19			
07:45		60	132		132	19:45		24	104		104
08:00		48				20:00		36			
08:15		45				20:15		25			
08:30		36				20:30		18			
08:45		26	155		155	20:45		27	106		106
09:00		37				21:00		24			
09:15		23				21:15		16			
09:30		28				21:30		5			
09:45		29	117		117	21:45		5	50		50
10:00		25				22:00		10			
10:15		33				22:15		11			
10:30		29				22:30		13			
10:45		31	118		118	22:45		4	38		38
11:00		32				23:00		8			
11:15		39				23:15		4			
11:30		41				23:30		9			
11:45		23	135		135	23:45		5	26		26
Total Vol.			822		**822**				1341		**1341**

Daily Totals

NB	SB	EB	WB	**Combined**
	2163			**2163**

	AM		**PM**	
Split %	100.0%	**38.0%**	100.0%	**62.0%**
Peak Hour	07:45	**07:45**	14:30	**14:30**
Volume	189	**189**	194	**194**
P.H.F.	0.79	**0.79**	0.85	**0.85**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E PARK AVENUE - E SEAWARD AVENUE TO E HALL AVENUE

AM Period	NB	SB	EB	WB		PM Period	NB	SB	EB	WB	
00:00	5					12:00	20				
00:15	1					12:15	38				
00:30	2					12:30	29				
00:45	3	11			11	12:45	24	111			111
01:00	2					13:00	24				
01:15	1					13:15	20				
01:30	4					13:30	27				
01:45	2	9			9	13:45	25	96			96
02:00	0					14:00	28				
02:15	5					14:15	37				
02:30	0					14:30	41				
02:45	0	5			5	14:45	46	152			152
03:00	4					15:00	44				
03:15	2					15:15	28				
03:30	2					15:30	30				
03:45	3	11			11	15:45	28	130			130
04:00	3					16:00	24				
04:15	3					16:15	33				
04:30	5					16:30	30				
04:45	14	25			25	16:45	30	117			117
05:00	8					17:00	35				
05:15	6					17:15	23				
05:30	10					17:30	41				
05:45	10	34			34	17:45	38	137			137
06:00	14					18:00	40				
06:15	19					18:15	15				
06:30	16					18:30	31				
06:45	22	71			71	18:45	19	105			105
07:00	29					19:00	20				
07:15	37					19:15	21				
07:30	65					19:30	19				
07:45	92	223			223	19:45	13	73			73
08:00	51					20:00	11				
08:15	46					20:15	20				
08:30	32					20:30	13				
08:45	20	149			149	20:45	12	56			56
09:00	27					21:00	23				
09:15	19					21:15	19				
09:30	20					21:30	8				
09:45	19	85			85	21:45	7	57			57
10:00	24					22:00	9				
10:15	27					22:15	9				
10:30	23					22:30	12				
10:45	29	103			103	22:45	3	33			33
11:00	32					23:00	8				
11:15	23					23:15	5				
11:30	14					23:30	6				
11:45	28	97			97	23:45	1	20			20
Total Vol.		823			**823**		1087				**1087**

Daily Totals

NB	SB	EB	WB	**Combined**
1910				**1910**

	AM		**PM**	
Split %	100.0%	**43.1%**	100.0%	**56.9%**
Peak Hour	07:30	**07:30**	14:15	**14:15**
Volume	254	**254**	168	**168**
P.H.F.	0.69	**0.69**	0.92	**0.91**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

E HALL AVENUE - W PARK AVENUE TO E OLIVE DRIVE

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		3			12:00			18		14		
00:15			1		3			12:15			23		8		
00:30			1		1			12:30			21		10		
00:45			1	4	0	7	11	12:45			16	78	15	47	125
01:00			0		0			13:00			28		14		
01:15			3		0			13:15			13		11		
01:30			0		3			13:30			22		10		
01:45			0	3	1	4	7	13:45			19	82	15	50	132
02:00			0		3			14:00			32		8		
02:15			1		0			14:15			16		10		
02:30			1		1			14:30			22		17		
02:45			1	3	0	4	7	14:45			28	98	17	52	150
03:00			0		0			15:00			53		19		
03:15			3		1			15:15			36		13		
03:30			0		0			15:30			25		10		
03:45			6	9	1	2	11	15:45			21	135	9	51	186
04:00			6		1			16:00			31		11		
04:15			1		0			16:15			26		8		
04:30			6		0			16:30			23		21		
04:45			7	20	3	4	24	16:45			19	99	8	48	147
05:00			7		3			17:00			34		15		
05:15			3		0			17:15			27		17		
05:30			8		1			17:30			38		17		
05:45			14	32	1	5	37	17:45			17	116	10	59	175
06:00			11		4			18:00			28		17		
06:15			10		4			18:15			17		14		
06:30			13		3			18:30			16		17		
06:45			13	47	6	17	64	18:45			19	80	13	61	141
07:00			17		6			19:00			27		14		
07:15			22		12			19:15			16		16		
07:30			18		19			19:30			12		9		
07:45			24	81	19	56	137	19:45			14	69	3	42	111
08:00			29		21			20:00			21		6		
08:15			24		19			20:15			14		8		
08:30			32		15			20:30			13		1		
08:45			18	103	7	62	165	20:45			16	64	6	21	85
09:00			14		9			21:00			17		8		
09:15			20		13			21:15			12		8		
09:30			15		4			21:30			10		9		
09:45			13	62	10	36	98	21:45			3	42	3	28	70
10:00			14		9			22:00			3		3		
10:15			25		6			22:15			4		2		
10:30			21		7			22:30			4		3		
10:45			24	84	18	40	124	22:45			6	17	1	9	26
11:00			15		16			23:00			4		3		
11:15			24		10			23:15			1		2		
11:30			33		13			23:30			3		0		
11:45			26	98	9	48	146	23:45			4	12	1	6	18
Total Vol.				546		285	**831**					892		474	**1366**

Daily Totals

NB	SB	EB	WB	Combined
		1438	759	**2197**

	AM			PM		
Split %	65.7%	34.3%	**37.8%**	65.3%	34.7%	**62.2%**
Peak Hour	07:45	07:30	**07:45**	14:45	14:30	**14:30**
Volume	109	78	**183**	142	66	**205**
P.H.F.	0.85	0.93	**0.92**	0.67	0.87	**0.71**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

CENTER STREET - E BEYER BOULEVARD TO SAN YSIDRO BOULEVARD

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	9		2					12:00	43		37				
00:15	9		1					12:15	30		47				
00:30	4		1					12:30	22		21				
00:45	2	24	2	6			30	12:45	43	138	38	143			281
01:00	2		3					13:00	30		32				
01:15	7		1					13:15	38		28				
01:30	2		2					13:30	21		22				
01:45	4	15	3	9			24	13:45	35	124	33	115			239
02:00	1		0					14:00	38		41				
02:15	4		3					14:15	27		49				
02:30	1		1					14:30	38		52				
02:45	4	10	4	8			18	14:45	44	147	46	188			335
03:00	1		2					15:00	38		72				
03:15	1		3					15:15	36		37				
03:30	10		5					15:30	42		37				
03:45	6	18	2	12			30	15:45	33	149	35	181			330
04:00	10		4					16:00	35		48				
04:15	6		6					16:15	44		28				
04:30	5		15					16:30	34		50				
04:45	10	31	13	38			69	16:45	43	156	24	150			306
05:00	11		18					17:00	52		48				
05:15	11		23					17:15	57		28				
05:30	9		31					17:30	53		36				
05:45	14	45	28	100			145	17:45	46	208	47	159			367
06:00	10		37					18:00	56		19				
06:15	14		30					18:15	39		28				
06:30	28		42					18:30	38		22				
06:45	29	81	35	144			225	18:45	40	173	29	98			271
07:00	27		43					19:00	43		32				
07:15	40		52					19:15	26		22				
07:30	65		73					19:30	36		20				
07:45	63	195	92	260			455	19:45	29	134	19	93			227
08:00	53		51					20:00	33		24				
08:15	32		39					20:15	20		20				
08:30	32		50					20:30	24		20				
08:45	34	151	39	179			330	20:45	29	106	21	85			191
09:00	34		25					21:00	33		38				
09:15	32		35					21:15	29		12				
09:30	29		42					21:30	20		19				
09:45	25	120	28	130			250	21:45	21	103	11	80			183
10:00	23		32					22:00	32		9				
10:15	44		22					22:15	13		9				
10:30	21		20					22:30	14		7				
10:45	34	122	24	98			220	22:45	12	71	2	27			98
11:00	32		38					23:00	13		7				
11:15	25		23					23:15	10		7				
11:30	26		30					23:30	15		5				
11:45	23	106	29	120			226	23:45	4	42	6	25			67
Total Vol.		918		1104			**2022**			1551		1344			**2895**

Daily Totals

NB	SB	EB	WB	**Combined**
2469	2448			**4917**

	AM			**PM**		
Split %	45.4%	54.6%	**41.1%**	53.6%	46.4%	**58.9%**
Peak Hour	07:15	07:15	**07:15**	17:15	14:15	**17:00**
Volume	221	268	**489**	212	219	**367**
P.H.F.	0.85	0.73	**0.79**	0.89	0.76	**0.92**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

SAN YSIDRO BOULEVARD - CENTER STREET TO BORDER VILLAGE ROAD W

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			24		29			12:00			265		224		
00:15			22		29			12:15			259		228		
00:30			18		27			12:30			251		222		
00:45			16	80	26	111	191	12:45			232	1007	218	892	1899
01:00			18		20			13:00			235		202		
01:15			18		14			13:15			228		233		
01:30			14		14			13:30			266		181		
01:45			19	69	14	62	131	13:45			210	939	253	869	1808
02:00			22		25			14:00			238		219		
02:15			27		36			14:15			309		277		
02:30			30		25			14:30			207		239		
02:45			19	98	25	111	209	14:45			267	1021	232	967	1988
03:00			35		20			15:00			251		259		
03:15			33		28			15:15			270		237		
03:30			42		31			15:30			243		225		
03:45			34	144	34	113	257	15:45			282	1046	211	932	1978
04:00			26		43			16:00			277		238		
04:15			58		53			16:15			256		212		
04:30			42		49			16:30			267		218		
04:45			45	171	48	193	364	16:45			234	1034	188	856	1890
05:00			53		64			17:00			261		222		
05:15			43		56			17:15			236		187		
05:30			57		62			17:30			268		218		
05:45			68	221	55	237	458	17:45			250	1015	188	815	1830
06:00			60		69			18:00			272		217		
06:15			84		84			18:15			266		198		
06:30			68		81			18:30			254		246		
06:45			68	280	63	297	577	18:45			285	1077	209	870	1947
07:00			89		72			19:00			234		180		
07:15			91		87			19:15			209		212		
07:30			105		91			19:30			243		188		
07:45			95	380	83	333	713	19:45			186	872	177	757	1629
08:00			144		106			20:00			166		154		
08:15			123		93			20:15			132		192		
08:30			165		118			20:30			135		139		
08:45			157	589	130	447	1036	20:45			106	539	133	618	1157
09:00			181		137			21:00			114		129		
09:15			172		169			21:15			97		104		
09:30			231		153			21:30			84		100		
09:45			200	784	161	620	1404	21:45			73	368	85	418	786
10:00			221		162			22:00			66		82		
10:15			237		195			22:15			55		83		
10:30			242		182			22:30			63		71		
10:45			232	932	209	748	1680	22:45			55	239	41	277	516
11:00			218		185			23:00			37		47		
11:15			237		215			23:15			41		37		
11:30			209		191			23:30			40		36		
11:45			226	890	178	769	1659	23:45			19	137	30	150	287
Total Vol.				4638		4041	**8679**					9294		8421	**17715**

Daily Totals

NB	SB	EB	WB	Combined
		13932	12462	**26394**

	AM			PM		
Split %	53.4%	46.6%	**32.9%**	52.5%	47.5%	**67.1%**
Peak Hour	11:45	11:45	**11:45**	15:45	14:15	**14:15**
Volume	1001	852	**1853**	1082	1007	**2041**
P.H.F.	0.94	0.93	**0.95**	0.96	0.91	**0.87**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

SAN YSIDRO BOULEVARD - BORDER VILLAGE ROAD W TO BORDER VILLAGE ROAD E

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			13		18			12:00			116		128		
00:15			8		15			12:15			143		139		
00:30			5		9			12:30			97		121		
00:45			9	35	8	50	85	12:45			114	470	137	525	995
01:00			6		6			13:00			145		143		
01:15			10		7			13:15			147		143		
01:30			6		8			13:30			142		145		
01:45			10	32	9	30	62	13:45			134	568	118	549	1117
02:00			11		13			14:00			138		156		
02:15			11		15			14:15			140		161		
02:30			8		12			14:30			129		149		
02:45			6	36	16	56	92	14:45			144	551	134	600	1151
03:00			18		15			15:00			141		166		
03:15			13		17			15:15			150		142		
03:30			14		7			15:30			150		147		
03:45			16	61	13	52	113	15:45			155	596	147	602	1198
04:00			10		26			16:00			178		138		
04:15			15		24			16:15			154		98		
04:30			18		22			16:30			174		120		
04:45			21	64	26	98	162	16:45			149	655	87	443	1098
05:00			29		35			17:00			183		131		
05:15			27		30			17:15			146		86		
05:30			39		35			17:30			165		100		
05:45			34	129	29	129	258	17:45			134	628	81	398	1026
06:00			26		41			18:00			168		117		
06:15			35		36			18:15			159		156		
06:30			28		37			18:30			142		110		
06:45			33	122	24	138	260	18:45			161	630	127	510	1140
07:00			32		27			19:00			134		112		
07:15			36		32			19:15			142		111		
07:30			60		45			19:30			126		84		
07:45			50	178	32	136	314	19:45			120	522	95	402	924
08:00			63		47			20:00			106		85		
08:15			57		41			20:15			106		91		
08:30			67		38			20:30			90		72		
08:45			65	252	53	179	431	20:45			73	375	83	331	706
09:00			92		86			21:00			65		73		
09:15			84		101			21:15			67		51		
09:30			128		101			21:30			57		41		
09:45			107	411	118	406	817	21:45			47	236	47	212	448
10:00			106		97			22:00			50		49		
10:15			114		120			22:15			39		45		
10:30			122		121			22:30			29		38		
10:45			138	480	104	442	922	22:45			29	147	21	153	300
11:00			132		121			23:00			27		28		
11:15			106		131			23:15			25		19		
11:30			133		122			23:30			24		19		
11:45			128	499	120	494	993	23:45			11	87	22	88	175
Total Vol.				2299		2210	**4509**					5465		4813	**10278**

Daily Totals

NB	SB	EB	WB	Combined
		7764	7023	**14787**

	AM			PM		
Split %	51.0%	49.0%	**30.5%**	53.2%	46.8%	**69.5%**
Peak Hour	11:30	11:30	**11:30**	15:45	14:15	**15:15**
Volume	520	509	**1029**	661	610	**1207**
P.H.F.	0.91	0.92	**0.91**	0.93	0.92	**0.95**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

SAN YSIDRO BOULEVARD - BORDER VILLAGE ROAD E TO E BEYER BOULEVARD

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			15		15			12:00			145		92		
00:15			8		9			12:15			127		87		
00:30			7		9			12:30			118		99		
00:45			8	38	6	39	77	12:45			134	524	89	367	891
01:00			5		6			13:00			143		104		
01:15			14		10			13:15			141		104		
01:30			11		9			13:30			141		95		
01:45			9	39	9	34	73	13:45			147	572	99	402	974
02:00			15		14			14:00			131		107		
02:15			9		13			14:15			164		136		
02:30			7		15			14:30			136		126		
02:45			8	39	13	55	94	14:45			146	577	96	465	1042
03:00			16		15			15:00			164		124		
03:15			14		19			15:15			153		103		
03:30			15		9			15:30			172		104		
03:45			22	67	15	58	125	15:45			143	632	102	433	1065
04:00			16		15			16:00			166		125		
04:15			20		23			16:15			160		89		
04:30			23		15			16:30			176		94		
04:45			26	85	19	72	157	16:45			150	652	71	379	1031
05:00			29		22			17:00			186		99		
05:15			30		19			17:15			127		73		
05:30			35		25			17:30			177		89		
05:45			39	133	19	85	218	17:45			146	636	77	338	974
06:00			23		36			18:00			112		63		
06:15			41		41			18:15			140		92		
06:30			27		27			18:30			152		87		
06:45			32	123	18	122	245	18:45			128	532	100	342	874
07:00			36.3		31			19:00			130		74		
07:15			33.58		31			19:15			127		79		
07:30			51.615		39			19:30			134		67		
07:45			46.8	168.295	33	134	302.295	19:45			124	515	57	277	792
08:00			70.85		47			20:00			128		67		
08:15			53.69		44			20:15			127		64		
08:30			61.05		48			20:30			88		65		
08:45			67.05	252.64	77	216	468.64	20:45			88	431	61	257	688
09:00			102		67			21:00			71		47		
09:15			76		78			21:15			69		36		
09:30			112		74			21:30			73		35		
09:45			104	394	80	299	693	21:45			58	271	37	155	426
10:00			93		71			22:00			61		41		
10:15			110		87			22:15			51		32		
10:30			104		74			22:30			36		28		
10:45			123	430	79	311	741	22:45			33	181	18	119	300
11:00			113		83			23:00			40		24		
11:15			93		74			23:15			25		15		
11:30			126		87			23:30			28		19		
11:45			119	451	95	339	790	23:45			13	106	17	75	181
Total Vol.				2219.935		1764	**3983.935**					5629		3609	**9238**

Daily Totals

NB	SB	EB	WB	Combined
		7849	5373	**13221.935**

	AM			PM		
Split %	55.7%	44.3%	**30.1%**	60.9%	39.1%	**69.9%**
Peak Hour	11:30	11:45	**11:45**	16:15	14:15	**14:15**
Volume	517	373	**882**	672	482	**1092**
P.H.F.	0.89	0.94	**0.93**	0.90	0.89	**0.91**

TUESDAY - MAY 8, 2018 CITY: IMPERIAL BEACH-SAN YSIDRO PROJECT: PTD18-0511-01

SAN YSIDRO BOULEVARD - E BEYER BOULEVARD TO I-5 RAMPS

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			52		19			12:00			159		84		
00:15			39		16			12:15			133		96		
00:30			25		12			12:30			138		93		
00:45			30	146	9	56	202	12:45			138	568	76	349	917
01:00			15		15			13:00			134		81		
01:15			25		23			13:15			155		81		
01:30			26		16			13:30			141		86		
01:45			20	86	14	68	154	13:45			139	569	91	339	908
02:00			26		19			14:00			155		70		
02:15			20		28			14:15			160		95		
02:30			21		28			14:30			151		88		
02:45			25	92	23	98	190	14:45			172	638	79	332	970
03:00			27		32			15:00			160		94		
03:15			26		28			15:15			134		92		
03:30			25		28			15:30			170		80		
03:45			47	125	32	120	245	15:45			153	617	73	339	956
04:00			44		40			16:00			175		58		
04:15			44		36			16:15			139		54		
04:30			54		34			16:30			165		62		
04:45			79	221	30	140	361	16:45			144	623	42	216	839
05:00			73		32			17:00			163		55		
05:15			96		36			17:15			134		46		
05:30			80		32			17:30			164		63		
05:45			108	357	36	136	493	17:45			125	586	50	214	800
06:00			106		44			18:00			122		54		
06:15			116		41			18:15			136		72		
06:30			86		45			18:30			133		69		
06:45			70	378	31	161	539	18:45			100	491	60	255	746
07:00			86		38			19:00			133		62		
07:15			59		32			19:15			128		65		
07:30			77		38			19:30			138		63		
07:45			80	302	42	150	452	19:45			121	520	64	254	774
08:00			112		50			20:00			131		55		
08:15			98		40			20:15			132		57		
08:30			88		53			20:30			116		55		
08:45			90	388	52	195	583	20:45			140	519	54	221	740
09:00			104		66			21:00			134		43		
09:15			101		89			21:15			114		42		
09:30			127		71			21:30			110		37		
09:45			117	449	84	310	759	21:45			110	468	38	160	628
10:00			110		59			22:00			124		43		
10:15			111		62			22:15			121		48		
10:30			118		79			22:30			89		38		
10:45			101	440	86	286	726	22:45			75	409	24	153	562
11:00			108		74			23:00			71		38		
11:15			114		79			23:15			56		34		
11:30			132		88			23:30			58		27		
11:45			131	485	97	338	823	23:45			36	221	25	124	345
Total Vol.				3469		2058	**5527**					6229		2956	**9185**

Daily Totals

NB	SB	EB	WB	Combined
		9698	5014	**14712**

	AM			PM		
Split %	62.8%	37.2%	**37.6%**	67.8%	32.2%	**62.4%**
Peak Hour	11:45	11:45	**11:45**	14:15	14:15	**14:15**
Volume	561	370	**931**	643	356	**999**
P.H.F.	0.88	0.95	**0.96**	0.93	0.94	**0.98**

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

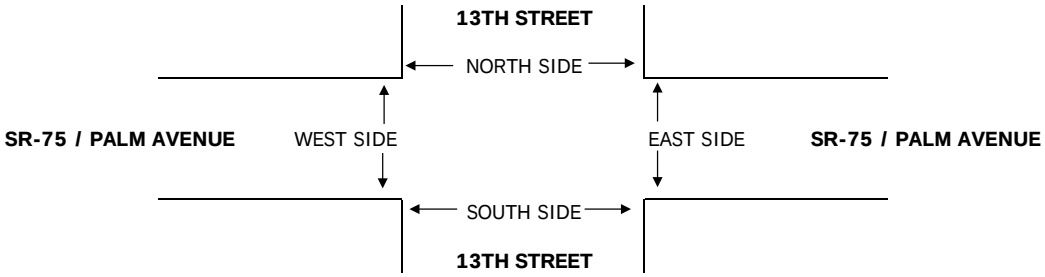
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	13TH STREET	LOCATION #:	1
TUESDAY	EAST & WEST:	SR-75 / PALM AVENUE	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 13TH STREET			SOUTHBOUND 13TH STREET			EASTBOUND SR-75 / PALM AVENUE			WESTBOUND SR-75 / PALM AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	45	4	13	42	6	4	3	155	17	14	423	20	746			1	2	3
	7:15 AM	44	5	11	43	6	5	3	180	12	14	409	22	754			2	3	5
	7:30 AM	48	6	24	51	12	2	5	221	18	16	427	15	845			4	3	7
	7:45 AM	44	8	23	65	18	6	6	186	29	17	432	21	855			3	4	7
	8:00 AM	48	8	22	68	26	4	9	181	19	25	288	26	724			1	4	5
	8:15 AM	36	4	22	39	7	2	6	205	32	26	308	25	712			1	4	5
	8:30 AM	32	5	24	41	7	8	4	196	15	23	274	18	647			2	4	6
	8:45 AM	20	4	25	36	8	2	6	208	21	32	249	20	631			1	11	12
	VOLUMES	317	44	164	385	90	33	42	1,532	163	167	2,810	167	5,914	0	0	15	35	50
	APPROACH %	60%	8%	31%	76%	18%	6%	2%	88%	9%	5%	89%	5%						
	APP/DEPART	525	/	253	508	/	420	1,737	/	2,081	3,144	/	3,160	0					
	BEGIN PEAK HR		7:00 AM																
	VOLUMES	181	23	71	201	42	17	17	742	76	61	1,691	78	3,200					
	APPROACH %	66%	8%	26%	77%	16%	7%	2%	89%	9%	3%	92%	4%						
	PEAK HR FACTOR		0.881			0.730			0.856			0.973		0.936					
	APP/DEPART	275	/	118	260	/	179	835	/	1,014	1,830	/	1,889	0					
PM	4:00 PM	24	14	19	54	25	11	8	317	64	30	299	39	904			2	5	7
	4:15 PM	32	15	20	47	18	10	15	317	70	45	234	28	851			4	11	15
	4:30 PM	27	11	23	48	26	16	3	329	59	39	296	28	905			1	10	11
	4:45 PM	30	7	17	55	26	10	10	347	52	31	234	37	856			8	11	19
	5:00 PM	28	11	14	48	17	8	14	262	41	36	260	30	769			8	5	13
	5:15 PM	27	9	22	43	13	12	9	274	32	29	236	34	740			2	7	9
	5:30 PM	25	9	18	45	14	9	5	266	45	51	247	37	771			4	7	11
	5:45 PM	29	7	26	48	12	7	8	210	35	41	285	46	754			4	7	11
	VOLUMES	222	83	159	388	151	83	72	2,322	398	302	2,091	279	6,550	0	0	33	63	96
	APPROACH %	48%	18%	34%	62%	24%	13%	3%	83%	14%	11%	78%	10%						
	APP/DEPART	464	/	434	622	/	851	2,792	/	2,869	2,672	/	2,396	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	113	47	79	204	95	47	36	1,310	245	145	1,063	132	3,516					
	APPROACH %	47%	20%	33%	59%	27%	14%	2%	82%	15%	11%	79%	10%						
	PEAK HR FACTOR		0.892			0.951			0.972			0.910		0.971					
	APP/DEPART	239	/	215	346	/	485	1,591	/	1,593	1,340	/	1,223	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1		4		5					0		1	1	1	3
	7:15 AM		1	3	1	5					0	3		14	1	18
	7:30 AM	2		3	1	6					0		1	2		3
	7:45 AM	2	3	2	1	8					0		1	4	1	6
	8:00 AM	1		5	2	8					0			2		2
	8:15 AM	2	3	1	4	10					0				24	24
	8:30 AM	1	3		1	5					0	2		1	2	5
	8:45 AM		3	1		4					0		1	5		6
	TOTAL	9	13	19	10	51	0	0	0	0	0	5	4	29	29	67
PM	4:00 PM		3	1	5	9					0			2	3	5
	4:15 PM	3	1	7	2	13					0			1		1
	4:30 PM		1	2	3	6					0			2		2
	4:45 PM	2	5	8		15					0			1		1
	5:00 PM		3	5	4	12					0		1	1	1	3
	5:15 PM			5		5					0	2		14		16
	5:30 PM			3	2	5					0	1	1	1	2	5
	5:45 PM	2	1		1	4					0	1		1	1	3
	TOTAL	7	14	31	17	69	0	0	0	0	0	4	2	23	7	36

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

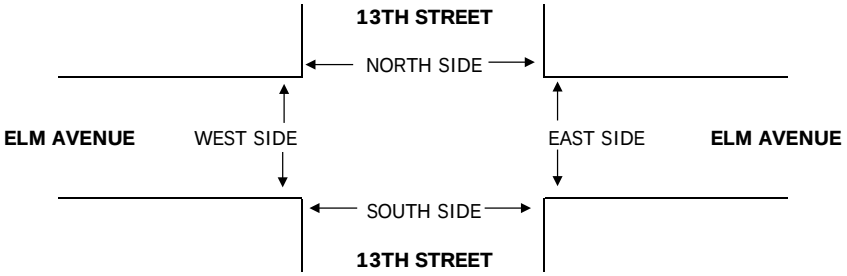
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	13TH STREET	LOCATION #:	2
TUESDAY	EAST & WEST:	ELM AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 13TH STREET			SOUTHBOUND 13TH STREET			EASTBOUND ELM AVENUE			WESTBOUND ELM AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	4	71	2	6	35	3	1	17	1	4	21	7	172					0
	7:15 AM	6	57	4	2	34	4	7	19	7	3	33	8	184					0
	7:30 AM	4	62	8	5	41	2	6	20	5	10	11	16	190					0
	7:45 AM	3	72	7	7	66	1	4	16	7	19	11	11	224					0
	8:00 AM	8	62	6	12	52	2	2	15	6	9	15	11	200					0
	8:15 AM	5	73	4	3	56	4	3	9	1	7	14	7	186					0
	8:30 AM	3	47	2	1	48	0	5	15	8	4	13	7	153					0
	8:45 AM	5	41	5	3	46	0	4	16	1	3	6	9	139					0
	VOLUMES	38	485	38	39	378	16	32	127	36	59	124	76	1,448	0	0	0	0	0
	APPROACH %	7%	86%	7%	9%	87%	4%	16%	65%	18%	23%	48%	29%						
	APP/DEPART	561	/	593	433	/	473	195	/	204	259	/	178	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	20	269	25	27	215	9	15	60	19	45	51	45	800					
	APPROACH %	6%	86%	8%	11%	86%	4%	16%	64%	20%	32%	36%	32%						
	PEAK HR FACTOR		0.957			0.848			0.758			0.860		0.893					
	APP/DEPART	314	/	329	251	/	279	94	/	112	141	/	80	0					
PM	4:00 PM	5	75	2	17	90	3	1	29	10	8	14	8	262					0
	4:15 PM	3	49	10	26	82	6	3	25	3	8	15	7	237					0
	4:30 PM	5	47	11	19	91	2	3	27	7	7	12	11	242					0
	4:45 PM	6	52	3	12	79	0	7	23	9	13	14	12	230					0
	5:00 PM	3	59	6	14	81	1	3	30	17	10	12	9	245					0
	5:15 PM	2	50	6	17	62	1	3	20	5	18	12	4	200					0
	5:30 PM	4	60	6	9	87	5	2	17	4	4	14	4	216					0
	5:45 PM	8	51	8	13	73	8	3	11	9	10	16	8	218					0
	VOLUMES	36	443	52	127	645	26	25	182	64	78	109	63	1,850	0	0	0	0	0
	APPROACH %	7%	83%	10%	16%	81%	3%	9%	67%	24%	31%	44%	25%						
	APP/DEPART	531	/	531	798	/	787	271	/	361	250	/	171	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	19	223	26	74	342	11	14	104	29	36	55	38	971					
	APPROACH %	7%	83%	10%	17%	80%	3%	10%	71%	20%	28%	43%	29%						
	PEAK HR FACTOR		0.817			0.936			0.919			0.827		0.927					
	APP/DEPART	268	/	275	427	/	407	147	/	204	129	/	85	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	4	1	4		9					0			2		2
	7:15 AM	2	1	5	11	19					0			24	1	25
	7:30 AM	2	1	5	5	13					0				1	1
	7:45 AM			2	11	13					0	1		1	1	3
	8:00 AM			9	7	16					0	1		2		3
	8:15 AM			4		4					0			1	24	25
	8:30 AM			3	1	4					0			1		1
	8:45 AM			1	1	2					0					0
	TOTAL	8	3	33	36	80	0	0	0	0	0	2	0	31	27	60
PM	4:00 PM	1	1	2		4					0				1	1
	4:15 PM			5	1	6					0			1		1
	4:30 PM		2	4	1	7					0			1	2	3
	4:45 PM				1	1					0			1	1	2
	5:00 PM	1	2	7	1	11					0	1			2	3
	5:15 PM					0					0		1	1	1	3
	5:30 PM			2		2					0			2	1	3
	5:45 PM		2	1	3	6					0			3		3
	TOTAL	2	7	21	7	37	0	0	0	0	0	1	1	9	8	19

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	13TH STREET	LOCATION #:	3
TUESDAY	EAST & WEST:	IMPERIAL BEACH BLVD	CONTROL:	SIGNAL

NOTES:

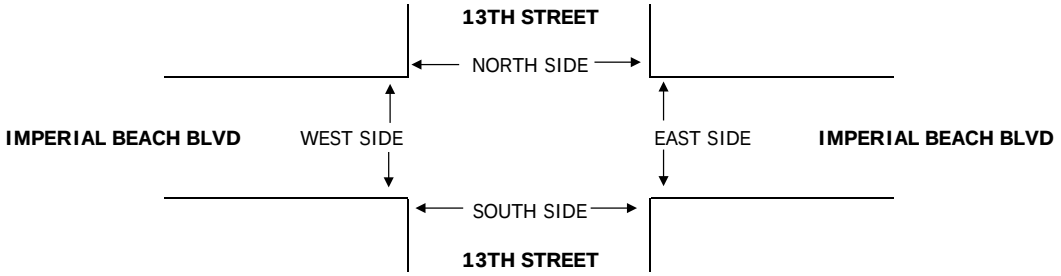
INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 13TH STREET			SOUTHBOUND 13TH STREET			EASTBOUND IMPERIAL BEACH BLVD			WESTBOUND IMPERIAL BEACH BLVD			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	40	47	23	9	27	10	10	96	15	6	157	27	467
	7:15 AM	40	39	13	26	16	4	9	172	26	11	200	15	571
	7:30 AM	31	46	32	17	22	5	9	148	19	12	123	22	486
	7:45 AM	34	56	17	32	34	2	7	136	22	16	153	31	540
	8:00 AM	46	58	31	45	44	12	14	153	13	25	146	21	608
	8:15 AM	28	38	20	17	37	9	9	140	25	20	103	21	467
	8:30 AM	25	21	23	13	42	5	8	114	13	16	88	18	386
	8:45 AM	22	25	18	7	34	8	8	97	11	27	103	9	369
	VOLUMES	266	330	177	166	256	55	74	1,056	144	133	1,073	164	3,894
	APPROACH %	34%	43%	23%	35%	54%	12%	6%	83%	11%	10%	78%	12%	
	APP/DEPART	773	/	568	477	/	533	1,274	/	1,399	1,370	/	1,394	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	151	199	93	120	116	23	39	609	80	64	622	89	2,205
	APPROACH %	34%	45%	21%	46%	45%	9%	5%	84%	11%	8%	80%	11%	
	PEAK HR FACTOR		0.820			0.641			0.879			0.857		0.907
	APP/DEPART	443	/	327	259	/	260	728	/	822	775	/	796	0
PM	4:00 PM	24	53	28	38	52	16	9	159	16	28	129	23	575
	4:15 PM	20	35	22	36	46	7	9	156	28	18	156	19	552
	4:30 PM	27	36	28	52	46	9	10	149	16	22	161	14	570
	4:45 PM	29	31	26	48	49	13	5	163	30	22	137	22	575
	5:00 PM	27	41	27	43	52	15	11	139	21	33	114	19	542
	5:15 PM	25	34	20	25	35	13	6	166	24	27	160	13	548
	5:30 PM	31	37	33	38	45	15	5	149	18	24	130	13	538
	5:45 PM	31	46	16	33	44	13	11	103	20	20	164	15	516
	VOLUMES	214	313	200	313	369	101	66	1,184	173	194	1,151	138	4,416
	APPROACH %	29%	43%	28%	40%	47%	13%	5%	83%	12%	13%	78%	9%	
	APP/DEPART	727	/	517	783	/	736	1,423	/	1,697	1,483	/	1,466	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	100	155	104	174	193	45	33	627	90	90	583	78	2,272
	APPROACH %	28%	43%	29%	42%	47%	11%	4%	84%	12%	12%	78%	10%	
	PEAK HR FACTOR		0.855			0.936			0.947			0.953		0.988
	APP/DEPART	359	/	266	412	/	373	750	/	905	751	/	728	0

U-TURNS

	NB X	SB X	EB X	WB X	TTL
7:00 AM				1	1
7:15 AM					0
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM					0
VOLUMES	0	0	0	1	1
4:00 PM					0
4:15 PM					0
4:30 PM					0
4:45 PM					0
5:00 PM					0
5:15 PM					0
5:30 PM			1		1
5:45 PM				1	1
VOLUMES	0	0	1	1	2



PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM	5	1	5	2	13
7:15 AM	2	4	5	3	14
7:30 AM	4	3	11	4	22
7:45 AM	7	4	8	7	26
8:00 AM	2	8	8	10	28
8:15 AM	3	2	2	4	11
8:30 AM	2				2
8:45 AM	1	1	2	2	6
TOTAL	26	23	41	32	122
4:00 PM		4	3	5	12
4:15 PM	6	4	6	5	21
4:30 PM	2	2	4	4	12
4:45 PM	2	3		6	11
5:00 PM	3		2	5	10
5:15 PM	5	4	7	5	21
5:30 PM	5	4	7	2	18
5:45 PM			5	2	7
TOTAL	23	21	34	34	112

PEDESTRIAN ACTIVATIONS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM					0
7:15 AM					0
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM					0
TOTAL	0	0	0	0	0
4:00 PM					0
4:15 PM					0
4:30 PM					0
4:45 PM					0
5:00 PM					0
5:15 PM					0
5:30 PM					0
5:45 PM					0
TOTAL	0	0	0	0	0

BICYCLE CROSSINGS

	NS	SS	ES	WS	TOTAL
7:00 AM					0
7:15 AM			24	2	26
7:30 AM	1			1	2
7:45 AM	2		2	1	5
8:00 AM			1		1
8:15 AM				21	21
8:30 AM	1	3	3	2	9
8:45 AM	2			2	4
TOTAL	6	3	30	29	68
4:00 PM	2	1	5	1	9
4:15 PM		2	1	2	5
4:30 PM	1	1	2		4
4:45 PM			1		1
5:00 PM			2	2	4
5:15 PM			1	2	3
5:30 PM		2	2	1	5
5:45 PM			2		2
TOTAL	3	6	16	8	33

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	13TH STREET	LOCATION #:	4
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

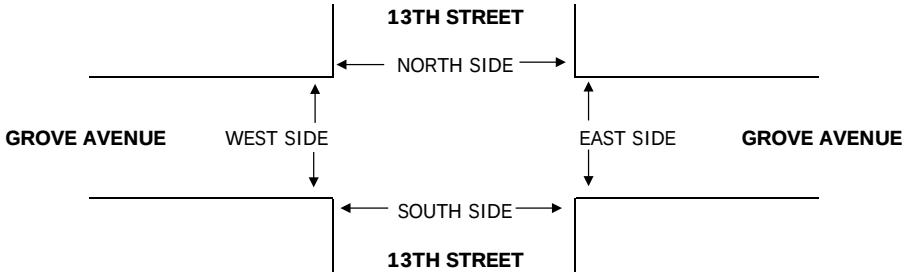
INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, ▼ S

		NORTHBOUND 13TH STREET			SOUTHBOUND 13TH STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	5	66	2	1	58	4	1	2	1	3	2	12	157
	7:15 AM	5	57	2	1	51	1	3	1	4	2	4	28	159
	7:30 AM	9	71	1	2	62	2	3	1	2	1	4	12	170
	7:45 AM	6	74	0	7	65	2	1	4	6	4	9	31	209
	8:00 AM	18	76	2	4	74	4	6	6	4	2	10	36	242
	8:15 AM	3	61	2	5	69	4	4	0	1	2	0	20	171
	8:30 AM	2	49	1	0	58	1	2	1	4	2	0	4	124
	8:45 AM	3	53	2	5	63	4	3	0	1	2	0	19	155
	VOLUMES	51	507	12	25	500	22	23	15	23	18	29	162	1,387
	APPROACH %	9%	89%	2%	5%	91%	4%	38%	25%	38%	9%	14%	78%	
	APP/DEPART	570	/	692	547	/	541	61	/	52	209	/	102	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	36	282	5	18	270	12	14	11	13	9	23	99	792
	APPROACH %	11%	87%	2%	6%	90%	4%	37%	29%	34%	7%	18%	76%	
	PEAK HR FACTOR		0.841			0.915			0.594			0.682		0.818
	APP/DEPART	323	/	395	300	/	292	38	/	34	131	/	71	0
PM	4:00 PM	6	82	2	9	96	5	3	3	3	2	3	15	229
	4:15 PM	0	62	0	6	75	2	2	1	3	1	0	10	162
	4:30 PM	1	65	2	8	66	4	4	1	2	1	2	9	165
	4:45 PM	2	64	2	9	72	6	4	1	10	1	0	5	176
	5:00 PM	1	68	1	4	78	1	3	2	3	3	2	10	176
	5:15 PM	0	52	1	6	78	2	4	1	6	2	5	9	166
	5:30 PM	4	72	1	1	63	8	4	0	0	2	1	9	165
	5:45 PM	2	59	2	4	69	3	7	3	0	2	1	9	161
	VOLUMES	16	524	11	47	597	31	31	12	27	14	14	76	1,400
	APPROACH %	3%	95%	2%	7%	88%	5%	44%	17%	39%	13%	13%	73%	
	APP/DEPART	551	/	631	675	/	638	70	/	70	104	/	61	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	9	273	6	32	309	17	13	6	18	5	5	39	732
	APPROACH %	3%	95%	2%	9%	86%	5%	35%	16%	49%	10%	10%	80%	
	PEAK HR FACTOR		0.800			0.814			0.617			0.613		0.799
	APP/DEPART	288	/	325	358	/	332	37	/	44	49	/	31	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2		3	4	9					0			1		1
	7:15 AM	7	2	2	4	15					0				23	23
	7:30 AM	11	2	1	3	17					0	2			1	3
	7:45 AM	18		6	2	26					0	1		1	3	5
	8:00 AM	1		1	2	4					0		1	4	1	6
	8:15 AM	2	1	4		7					0	2		26		28
	8:30 AM	1		1	1	3					0	1		1		2
	8:45 AM	5		3	2	10					0		1		24	25
	TOTAL	47	5	21	18	91	0	0	0	0	0	6	2	33	52	93
PM	4:00 PM			3	4	7					0	1				1
	4:15 PM	1		4	1	6					0	1	1	3		5
	4:30 PM	1	1	1	5	8					0	1	1			2
	4:45 PM	2		2	2	6					0	1	1			2
	5:00 PM		1		5	6					0	2				2
	5:15 PM	2		2	3	7					0	1		1		2
	5:30 PM	1		4	2	7					0	1				1
	5:45 PM	1	1	4	2	8					0	1				1
	TOTAL	8	3	20	24	55	0	0	0	0	0	9	3	4	0	16

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

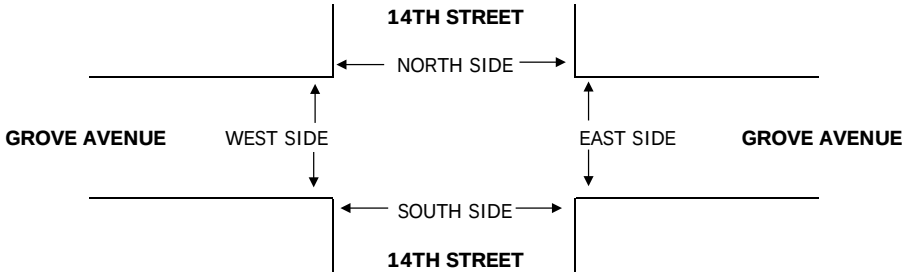
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	14TH STREET	LOCATION #:	5
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 14TH STREET			SOUTHBOUND 14TH STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	1	8	1	0	6	2	3	8	1	0	19	1	50					0
	7:15 AM	1	12	3	2	2	2	3	5	0	1	21	0	52					0
	7:30 AM	0	4	0	2	7	2	2	11	1	0	17	0	46					0
	7:45 AM	2	7	1	0	7	1	4	15	1	0	35	0	73					0
	8:00 AM	1	9	0	1	6	0	0	23	0	1	36	1	78					0
	8:15 AM	1	8	1	2	3	0	3	5	0	0	17	1	41				1	1
	8:30 AM	0	5	1	1	8	2	2	1	0	1	4	0	25					0
	8:45 AM	1	5	1	1	5	1	2	7	1	0	9	0	33					0
	VOLUMES	7	58	8	9	44	10	19	75	4	3	158	3	398	0	0	0	1	1
	APPROACH %	10%	79%	11%	14%	70%	16%	19%	77%	4%	2%	96%	2%						
	APP/DEPART	73	/	80	63	/	51	98	/	92	164	/	175	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	4	32	4	5	22	5	9	54	2	2	109	1	249					
	APPROACH %	10%	80%	10%	16%	69%	16%	14%	83%	3%	2%	97%	1%						
	PEAK HR FACTOR		0.625			0.727			0.707			0.737		0.798					
	APP/DEPART	40	/	42	32	/	26	65	/	63	112	/	118	0					
PM	4:00 PM	2	2	0	1	11	5	1	10	2	0	10	0	44					0
	4:15 PM	0	5	2	1	8	2	3	6	2	0	10	1	40					0
	4:30 PM	0	7	0	0	6	1	2	7	1	0	8	1	33					0
	4:45 PM	0	7	0	0	8	2	2	6	2	3	9	1	40					0
	5:00 PM	1	8	0	1	13	3	1	9	2	2	11	0	51					0
	5:15 PM	0	12	0	0	11	0	1	4	3	1	12	3	47					0
	5:30 PM	0	1	1	3	6	3	1	5	3	1	8	1	33					0
	5:45 PM	0	11	3	0	6	0	1	12	3	1	10	1	48					0
	VOLUMES	3	53	6	6	69	16	12	59	18	8	78	8	336	0	0	0	0	0
	APPROACH %	5%	85%	10%	7%	76%	18%	13%	66%	20%	9%	83%	9%						
	APP/DEPART	62	/	73	91	/	95	89	/	71	94	/	97	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	1	32	4	4	36	6	4	30	11	5	41	5	179					
	APPROACH %	3%	86%	11%	9%	78%	13%	9%	67%	24%	10%	80%	10%						
	PEAK HR FACTOR		0.661			0.676			0.703			0.797		0.877					
	APP/DEPART	37	/	41	46	/	52	45	/	38	51	/	48	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		2	1		3					0	1				1
	7:15 AM	1	5		1	7					0			1		1
	7:30 AM	1	4		1	6					0	1				1
	7:45 AM	2	8	1	1	12					0	3				3
	8:00 AM		3			3					0	1	5			6
	8:15 AM	1	2	1		4					0					0
	8:30 AM	1	2	1		4					0					0
	8:45 AM	2				2					0	1	1			2
	TOTAL	8	26	4	3	41	0	0	0	0	0	7	6	1	0	14
PM	4:00 PM			3		3					0		3			3
	4:15 PM	2	2	1	1	6					0	2	2			4
	4:30 PM		1	2		3					0					0
	4:45 PM	5	2	2		9					0					0
	5:00 PM		5	4		9					0					0
	5:15 PM		3	1	3	7					0					0
	5:30 PM			2	2	4					0	1				1
	5:45 PM		2			2					0	2		1		3
	TOTAL	7	15	15	6	43	0	0	0	0	0	5	5	1	0	11

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

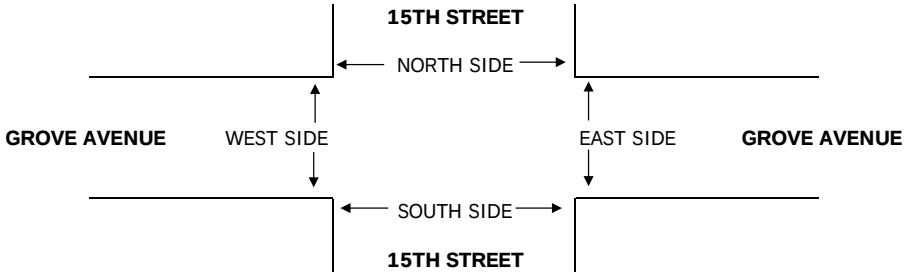
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	15TH STREET	LOCATION #:	6
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 15TH STREET			SOUTHBOUND 15TH STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	3	15	1	3	9	0	1	17	2	0	11	4	66					0
	7:15 AM	5	14	8	2	17	3	2	8	0	1	12	0	72					0
	7:30 AM	3	14	10	2	21	2	4	18	1	2	10	2	89					0
	7:45 AM	3	16	12	5	19	3	5	15	4	4	29	1	116					0
	8:00 AM	2	12	9	1	12	3	0	23	1	10	36	2	111					0
	8:15 AM	4	17	7	2	13	1	2	7	1	4	13	2	73					0
	8:30 AM	0	9	2	0	11	2	7	1	0	2	2	0	36					0
	8:45 AM	0	5	3	1	8	1	4	6	1	2	9	0	40					0
	VOLUMES	20	102	52	16	110	15	25	95	10	25	122	11	603	0	0	0	0	0
	APPROACH %	11%	59%	30%	11%	78%	11%	19%	73%	8%	16%	77%	7%						
	APP/DEPART	174	/	138	141	/	145	130	/	163	158	/	157	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	12	59	38	10	65	9	11	63	7	20	88	7	389					
	APPROACH %	11%	54%	35%	12%	77%	11%	14%	78%	9%	17%	77%	6%						
	PEAK HR FACTOR		0.879			0.778			0.844			0.599		0.838					
	APP/DEPART	109	/	77	84	/	92	81	/	111	115	/	109	0					
PM	4:00 PM	1	12	2	1	14	6	1	8	1	3	9	0	58					0
	4:15 PM	1	7	1	1	17	4	1	7	1	6	13	2	61					0
	4:30 PM	0	11	4	1	17	4	1	5	3	2	8	1	57					0
	4:45 PM	0	11	2	0	19	5	0	5	2	3	10	1	58					0
	5:00 PM	3	12	5	0	15	4	0	6	0	7	11	0	63					0
	5:15 PM	1	12	4	0	11	2	1	6	0	5	14	0	56					0
	5:30 PM	1	5	6	0	17	1	2	5	2	1	9	0	49					0
	5:45 PM	3	10	2	0	12	5	3	11	5	2	14	0	67					0
	VOLUMES	10	80	26	3	122	31	9	53	14	29	88	4	469	0	0	0	0	0
	APPROACH %	9%	69%	22%	2%	78%	20%	12%	70%	18%	24%	73%	3%						
	APP/DEPART	116	/	93	156	/	165	76	/	82	121	/	129	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	4	41	12	2	68	17	2	23	6	18	42	4	239					
	APPROACH %	7%	72%	21%	2%	78%	20%	6%	74%	19%	28%	66%	6%						
	PEAK HR FACTOR		0.713			0.906			0.861			0.762		0.948					
	APP/DEPART	57	/	47	87	/	92	31	/	37	64	/	63	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	2			3					0		1			1
	7:15 AM	3	2		2	7					0	1			1	2
	7:30 AM	5	4		1	10					0		1			1
	7:45 AM	5	6		1	12					0		3			3
	8:00 AM	3	6	1	2	12					0	2	5			7
	8:15 AM	1	5	2	1	9					0					0
	8:30 AM		2		1	3					0		1			1
	8:45 AM	3	1			4					0	1				1
	TOTAL	21	28	3	8	60	0	0	0	0	0	4	11	0	1	16
PM	4:00 PM				2	2					0		1			1
	4:15 PM	1	2		2	5					0	2	1			3
	4:30 PM				1	1					0					0
	4:45 PM	4	1			5					0					0
	5:00 PM	1				1					0					0
	5:15 PM		2		1	3					0					0
	5:30 PM	2				2					0					0
	5:45 PM			1	1	2					0	1	1			2
	TOTAL	8	5	1	7	21	0	0	0	0	0	3	3	0	0	6

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

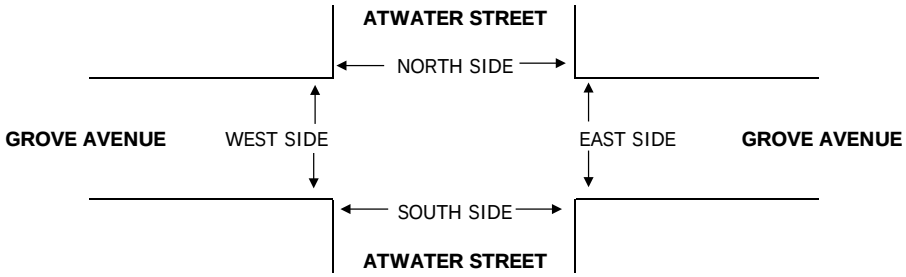
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	ATWATER STREET	LOCATION #:	7
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, ▼ S

		NORTHBOUND ATWATER STREET			SOUTHBOUND ATWATER STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	1	4	1	1	1	0	0	10	1	0	15	0	34					0
	7:15 AM	1	6	1	0	1	0	0	16	1	0	11	1	38					0
	7:30 AM	4	3	2	3	6	0	0	32	1	1	10	2	64					0
	7:45 AM	5	6	0	5	0	1	2	29	2	2	31	0	83					0
	8:00 AM	3	2	1	6	2	1	0	34	1	0	42	3	95					0
	8:15 AM	1	1	0	2	5	0	0	15	0	1	17	2	44					0
	8:30 AM	0	1	1	1	0	1	1	2	0	0	4	0	11					0
	8:45 AM	2	1	0	0	1	1	0	8	2	0	9	0	24					0
	VOLUMES	17	24	6	18	16	4	3	146	8	4	139	8	393	0	0	0	0	0
	APPROACH %	36%	51%	13%	47%	42%	11%	2%	93%	5%	3%	92%	5%						
	APP/DEPART	47	/	35	38	/	28	157	/	170	151	/	160	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	13	12	3	16	13	2	2	110	4	4	100	7	286					
	APPROACH %	46%	43%	11%	52%	42%	6%	2%	95%	3%	4%	90%	6%						
	PEAK HR FACTOR		0.636			0.861			0.829			0.617		0.753					
	APP/DEPART	28	/	21	31	/	21	116	/	129	111	/	115	0					
PM	4:00 PM	0	2	0	0	3	0	0	10	0	1	10	0	26					0
	4:15 PM	2	2	2	0	3	0	0	9	2	0	19	1	40					0
	4:30 PM	0	2	1	0	0	1	4	10	0	1	11	2	32					0
	4:45 PM	0	1	0	0	8	0	1	7	1	2	14	0	34					0
	5:00 PM	1	0	1	0	6	1	0	13	0	1	14	1	38					0
	5:15 PM	1	2	0	0	12	2	0	8	1	1	16	1	44					0
	5:30 PM	2	4	0	1	2	0	1	10	0	0	9	0	29					0
	5:45 PM	0	0	0	1	1	0	0	15	0	1	18	2	38					0
	VOLUMES	6	13	4	2	35	4	6	82	4	7	111	7	281	0	0	0	0	0
	APPROACH %	26%	57%	17%	5%	85%	10%	7%	89%	4%	6%	89%	6%						
	APP/DEPART	23	/	26	41	/	46	92	/	88	125	/	121	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	4	6	1	2	21	3	1	46	1	3	57	4	149					
	APPROACH %	36%	55%	9%	8%	81%	12%	2%	96%	2%	5%	89%	6%						
	PEAK HR FACTOR		0.458			0.464			0.800			0.762		0.847					
	APP/DEPART	11	/	11	26	/	25	48	/	49	64	/	64	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM					0					0		1			1
	7:15 AM	5			2	7					0					0
	7:30 AM	4	4			8					0	1	1			2
	7:45 AM	8	8			16					0					0
	8:00 AM	6	6	2		14					0	2	6			8
	8:15 AM	2	3			5					0					0
	8:30 AM		4	2		6					0			1		1
	8:45 AM	4	2			6					0	1				1
	TOTAL	29	27	4	2	62	0	0	0	0	0	4	8	1	0	13
PM	4:00 PM					0					0		1			1
	4:15 PM	3		1		4					0	1				1
	4:30 PM	3			1	4					0		1			1
	4:45 PM	1				1					0					0
	5:00 PM			1		1					0				1	1
	5:15 PM	3				3					0					0
	5:30 PM		1			1					0					0
	5:45 PM					0					0	1				1
	TOTAL	10	1	2	1	14	0	0	0	0	0	2	2	0	1	5

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

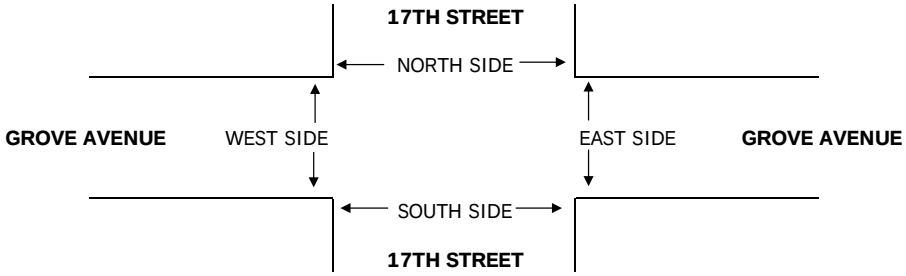
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	17TH STREET	LOCATION #:	8
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 17TH STREET			SOUTHBOUND 17TH STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	2	26	1	8	12	0	3	9	0	0	13	14	88					0
	7:15 AM	0	21	2	15	20	0	6	16	1	4	10	13	108					0
	7:30 AM	0	16	4	23	10	8	5	36	2	3	10	17	134					0
	7:45 AM	3	21	5	26	15	13	6	31	6	3	25	38	192					0
	8:00 AM	1	19	7	30	16	14	16	28	2	13	28	40	214					0
	8:15 AM	2	16	0	8	14	8	4	14	3	2	10	10	91					0
	8:30 AM	0	8	1	3	10	0	2	5	2	0	2	6	39					0
	8:45 AM	1	19	3	3	12	5	1	9	1	0	7	4	65					0
	VOLUMES	9	146	23	116	109	48	43	148	17	25	105	142	931	0	0	0	0	0
	APPROACH %	5%	82%	13%	42%	40%	18%	21%	71%	8%	9%	39%	52%						
	APP/DEPART	178	/	331	273	/	151	208	/	287	272	/	162	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	4	77	18	94	61	35	33	111	11	23	73	108	648					
	APPROACH %	4%	78%	18%	49%	32%	18%	21%	72%	7%	11%	36%	53%						
	PEAK HR FACTOR		0.853			0.792			0.842			0.630		0.757					
	APP/DEPART	99	/	218	190	/	95	155	/	223	204	/	112	0					
PM	4:00 PM	0	14	3	9	25	3	2	9	2	1	12	5	85					0
	4:15 PM	4	11	2	7	27	5	4	10	1	1	17	8	97					0
	4:30 PM	4	8	1	10	19	1	1	10	2	1	11	7	75					0
	4:45 PM	4	12	0	18	31	2	3	9	3	4	16	5	107					0
	5:00 PM	3	19	1	5	24	3	2	13	0	4	15	9	98					0
	5:15 PM	3	14	1	5	15	4	2	7	1	4	14	8	78					0
	5:30 PM	0	10	2	7	14	3	1	9	2	2	11	9	70					0
	5:45 PM	3	15	2	9	23	2	2	14	1	0	16	6	93					0
	VOLUMES	21	103	12	70	178	23	17	81	12	17	112	57	703	0	0	0	0	0
	APPROACH %	15%	76%	9%	26%	66%	8%	15%	74%	11%	9%	60%	31%						
	APP/DEPART	136	/	177	271	/	207	110	/	163	186	/	156	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	15	50	4	40	101	11	10	42	6	10	59	29	377					
	APPROACH %	22%	72%	6%	26%	66%	7%	17%	72%	10%	10%	60%	30%						
	PEAK HR FACTOR		0.750			0.745			0.967			0.875		0.881					
	APP/DEPART	69	/	89	152	/	117	58	/	86	98	/	85	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1		1	1	3					0		1			1
	7:15 AM	3				3					0					0
	7:30 AM	20		3	2	25					0	3				3
	7:45 AM	32	6	36	2	76					0					0
	8:00 AM	25	5	23	4	57					0	7				7
	8:15 AM	2		4		6					0					0
	8:30 AM					0					0					0
	8:45 AM	5	3	3	1	12					0	1				1
	TOTAL	88	14	70	10	182	0	0	0	0	0	11	1	0	0	12
PM	4:00 PM	3		1	1	5					0		1			1
	4:15 PM	3		1	1	5					0		2	3	1	6
	4:30 PM	2			2	4					0					0
	4:45 PM	1		3		4					0				1	1
	5:00 PM		1			1					0					0
	5:15 PM			1	1	2					0					0
	5:30 PM				1	1					0	1		1		2
	5:45 PM	1	3	1	1	6					0	1		1		2
	TOTAL	10	4	7	7	28	0	0	0	0	0	2	3	5	2	12

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

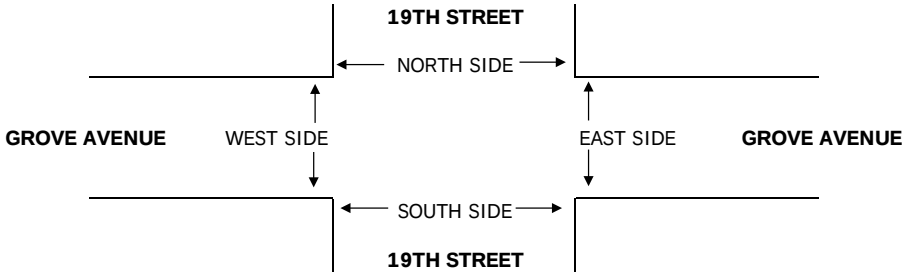
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	19TH STREET	LOCATION #:	9
TUESDAY	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 19TH STREET			SOUTHBOUND 19TH STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	5	63	4	6	48	6	12	5	3	7	19	24	202					0
	7:15 AM	3	53	4	6	47	10	19	8	1	5	11	21	188					0
	7:30 AM	6	54	13	11	31	29	31	21	9	1	13	46	265					0
	7:45 AM	11	77	8	15	34	23	39	10	8	8	28	63	324					0
	8:00 AM	16	56	7	13	44	35	38	22	8	9	36	34	318					0
	8:15 AM	4	42	6	12	57	7	12	9	2	7	7	13	178					0
	8:30 AM	1	44	10	18	36	2	4	5	5	3	4	16	148					0
	8:45 AM	1	36	4	11	41	10	10	5	3	2	11	8	142					0
	VOLUMES	47	425	56	92	338	122	165	85	39	42	129	225	1,765	0	0	0	0	0
	APPROACH %	9%	80%	11%	17%	61%	22%	57%	29%	13%	11%	33%	57%						
	APP/DEPART	528	/	815	552	/	419	289	/	233	396	/	298	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	36	240	32	45	156	97	127	61	26	23	88	164	1,095					
	APPROACH %	12%	78%	10%	15%	52%	33%	59%	29%	12%	8%	32%	60%						
	PEAK HR FACTOR		0.802			0.810			0.787			0.694		0.845					
	APP/DEPART	308	/	531	298	/	205	214	/	138	275	/	221	0					
PM	4:00 PM	4	53	6	16	55	5	7	12	3	2	9	19	191					0
	4:15 PM	3	60	16	16	46	10	7	14	3	9	17	22	223					0
	4:30 PM	4	65	12	13	59	10	7	12	8	10	14	11	225					0
	4:45 PM	3	58	5	16	35	15	4	13	8	6	12	13	188					0
	5:00 PM	5	66	12	11	46	11	8	12	7	8	16	16	218					0
	5:15 PM	2	53	13	19	43	10	9	5	3	3	15	22	197					0
	5:30 PM	1	47	7	24	49	13	7	11	1	4	11	19	194					0
	5:45 PM	3	45	1	13	49	7	7	9	7	3	11	18	173					0
	VOLUMES	25	447	72	128	382	81	56	88	40	45	105	140	1,609	0	0	0	0	0
	APPROACH %	5%	82%	13%	22%	65%	14%	30%	48%	22%	16%	36%	48%						
	APP/DEPART	544	/	643	591	/	467	184	/	288	290	/	211	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	15	249	45	56	186	46	26	51	26	33	59	62	854					
	APPROACH %	5%	81%	15%	19%	65%	16%	25%	50%	25%	21%	38%	40%						
	PEAK HR FACTOR		0.931			0.878			0.954			0.802		0.949					
	APP/DEPART	309	/	337	288	/	245	103	/	152	154	/	120	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	4				4					0					0
	7:15 AM	10		2	1	13					0					0
	7:30 AM	8		3	1	12					0					0
	7:45 AM	13	5	7	9	34					0					0
	8:00 AM	7		3	5	15					0	1			1	2
	8:15 AM	3	3	1	1	8					0					0
	8:30 AM	1		1	2	4					0	1				1
	8:45 AM	2		1	2	5					0					0
	TOTAL	48	8	18	21	95	0	0	0	0	0	2	0	0	1	3
PM	4:00 PM	3		1	1	5					0					0
	4:15 PM	5		2	2	9					0					0
	4:30 PM	2			2	4					0					0
	4:45 PM	4		2	2	8					0	1				1
	5:00 PM	1			4	5					0					0
	5:15 PM	7			4	11					0	1		2		3
	5:30 PM	2		4	4	10					0	1		1		2
	5:45 PM	5			3	8					0	3		1	1	5
	TOTAL	29	0	9	22	60	0	0	0	0	0	6	0	4	1	11

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	GREEN BAY STREET	LOCATION #:	10
	EAST & WEST:	GROVE AVENUE	CONTROL:	STOP

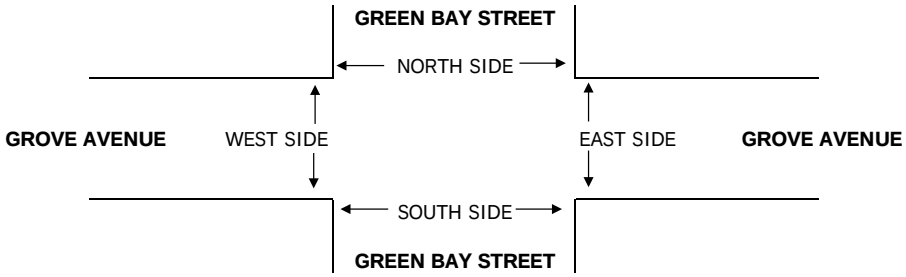
NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND GREEN BAY STREET			SOUTHBOUND GREEN BAY STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	12	24	16	0	16	4	2	8	4	2	27	8	123					0
	7:15 AM	8	19	14	3	11	5	2	17	4	13	17	11	124					0
	7:30 AM	8	25	21	6	30	6	3	23	11	13	26	11	183					0
	7:45 AM	22	51	41	6	39	6	5	20	9	21	41	13	274					0
	8:00 AM	11	45	31	19	24	11	12	26	3	0	24	24	230					0
	8:15 AM	3	15	12	21	7	3	1	20	0	5	14	55	156					0
	8:30 AM	1	13	3	24	16	1	2	25	2	2	12	9	110					0
	8:45 AM	3	15	8	7	5	3	3	11	3	1	11	1	71					0
	VOLUMES	68	207	146	86	148	39	30	150	36	57	172	132	1,271	0	0	0	0	0
	APPROACH %	16%	49%	35%	32%	54%	14%	14%	69%	17%	16%	48%	37%						
	APP/DEPART	421	/	369	273	/	241	216	/	382	361	/	279	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	44	136	105	52	100	26	21	89	23	39	105	103	843					
	APPROACH %	15%	48%	37%	29%	56%	15%	16%	67%	17%	16%	43%	42%						
	PEAK HR FACTOR		0.625			0.824			0.811			0.823		0.769					
	APP/DEPART	285	/	260	178	/	162	133	/	246	247	/	175	0					
PM	4:00 PM	2	5	6	3	10	2	0	26	3	4	25	2	88					0
	4:15 PM	5	13	4	5	16	6	2	28	3	3	21	11	117					0
	4:30 PM	3	18	7	12	18	8	2	21	1	1	16	9	116					0
	4:45 PM	6	3	4	14	12	3	2	18	6	6	20	4	98					0
	5:00 PM	4	12	3	7	13	7	1	23	2	1	22	5	100					0
	5:15 PM	5	13	4	2	11	4	1	28	2	2	20	9	101					0
	5:30 PM	2	9	3	4	13	3	3	26	5	0	22	4	94					0
	5:45 PM	4	14	3	1	16	4	1	11	2	2	23	4	85					0
	VOLUMES	31	87	34	48	109	37	12	181	24	19	169	48	799	0	0	0	0	0
	APPROACH %	20%	57%	22%	25%	56%	19%	6%	83%	11%	8%	72%	20%						
	APP/DEPART	152	/	147	194	/	152	217	/	263	236	/	237	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	18	46	18	38	59	24	7	90	12	11	79	29	431					
	APPROACH %	22%	56%	22%	31%	49%	20%	6%	83%	11%	9%	66%	24%						
	PEAK HR FACTOR		0.732			0.796			0.826			0.850		0.921					
	APP/DEPART	82	/	82	121	/	82	109	/	146	119	/	121	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1		2	1	4					0					0
	7:15 AM		1		1	2					0					0
	7:30 AM	1	2	3	4	10					0					0
	7:45 AM		7		1	8					0					0
	8:00 AM	1	2		2	5					0	1				1
	8:15 AM	1	1	1		3					0					0
	8:30 AM					0					0	1			1	2
	8:45 AM	1		2	1	4					0					0
	TOTAL	5	13	8	10	36	0	0	0	0	0	2	0	0	1	3
PM	4:00 PM					0					0					0
	4:15 PM			1		1					0					0
	4:30 PM				2	2					0			2		2
	4:45 PM				5	5					0					0
	5:00 PM	2	1			3					0					0
	5:15 PM	2				2					0					0
	5:30 PM					0					0			2		2
	5:45 PM	1	1	3		5					0		4			4
	TOTAL	5	2	4	7	18	0	0	0	0	0	0	4	4	0	8

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	HOLLISTER STREET	LOCATION #:	11
	EAST & WEST:	GROVE AVENUE	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

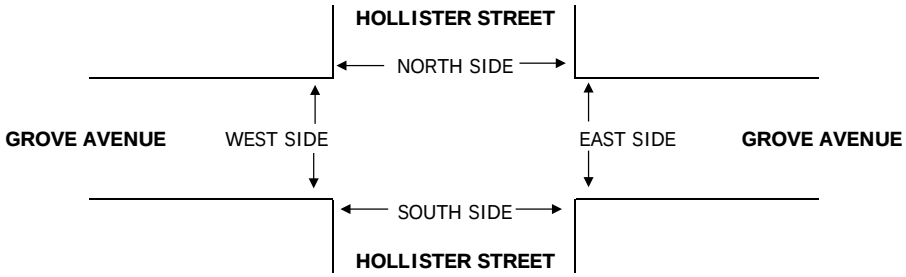
AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND HOLLISTER STREET			SOUTHBOUND HOLLISTER STREET			EASTBOUND GROVE AVENUE			WESTBOUND GROVE AVENUE			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	10	89	43	7	80	9	21	6	1	55	21	27	369
	7:15 AM	4	71	26	7	47	16	23	9	4	21	18	25	271
	7:30 AM	4	82	20	10	83	14	31	12	5	31	33	28	353
	7:45 AM	7	91	16	16	70	17	40	25	8	40	43	29	402
	8:00 AM	11	76	14	11	32	11	46	30	5	11	35	18	300
	8:15 AM	5	39	5	11	37	10	30	23	5	3	55	25	248
	8:30 AM	4	35	8	15	31	4	16	32	4	4	14	27	194
	8:45 AM	3	38	5	16	35	1	15	17	1	3	9	28	171
	VOLUMES	48	521	137	93	415	82	222	154	33	168	228	207	2,308
	APPROACH %	7%	74%	19%	16%	70%	14%	54%	38%	8%	28%	38%	34%	
	APP/DEPART	706	/	950	590	/	616	409	/	384	603	/	358	0
	BEGIN PEAK HR		7:00 AM											
	VOLUMES	25	333	105	40	280	56	115	52	18	147	115	109	1,395
	APPROACH %	5%	72%	23%	11%	74%	15%	62%	28%	10%	40%	31%	29%	
	PEAK HR FACTOR		0.815			0.879			0.634			0.828		0.868
	APP/DEPART	463	/	557	376	/	445	185	/	197	371	/	196	0
PM	4:00 PM	7	45	6	43	48	13	20	18	4	10	11	20	245
	4:15 PM	10	49	7	28	54	9	26	17	4	10	25	13	252
	4:30 PM	8	53	7	29	68	10	16	19	5	6	16	19	256
	4:45 PM	11	40	9	24	70	11	17	26	5	8	11	24	256
	5:00 PM	8	46	6	33	66	7	15	15	4	10	14	24	248
	5:15 PM	13	40	8	38	46	5	19	14	4	6	14	21	228
	5:30 PM	7	47	5	48	61	10	16	16	7	7	19	27	270
	5:45 PM	10	37	14	25	59	13	14	5	6	5	16	16	220
	VOLUMES	74	357	62	268	472	78	143	130	39	62	126	164	1,975
	APPROACH %	15%	72%	13%	33%	58%	10%	46%	42%	13%	18%	36%	47%	
	APP/DEPART	493	/	664	818	/	573	312	/	460	352	/	278	0
	BEGIN PEAK HR		4:15 PM											
	VOLUMES	37	188	29	114	258	37	74	77	18	34	66	80	1,012
	APPROACH %	15%	74%	11%	28%	63%	9%	44%	46%	11%	19%	37%	44%	
	PEAK HR FACTOR		0.934			0.956			0.880			0.938		0.988
	APP/DEPART	254	/	342	409	/	310	169	/	220	180	/	140	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
	1			1
				0
				0
	1			1
				0
				0
				0
0	2	0	0	2



PEDESTRIAN CROSSINGS

		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
AM	7:00 AM	2	4	10	10	26
	7:15 AM	2	7	3	5	17
	7:30 AM	4	2	4	2	12
	7:45 AM	1	4	3	5	13
	8:00 AM	1	2	7	6	16
	8:15 AM	2	10	4	6	22
	8:30 AM	1		2		3
	8:45 AM	3	5	5	3	16
	TOTAL	16	34	38	37	125
PM	4:00 PM	6	7	6	4	23
	4:15 PM	3		3	7	13
	4:30 PM	2	1	10	3	16
	4:45 PM	1	5	4	7	17
	5:00 PM	3	2	1	6	12
	5:15 PM	2	4	4	5	15
	5:30 PM	4	4	8	6	22
	5:45 PM	4	3		2	9
	TOTAL	25	26	36	40	127

PEDESTRIAN ACTIVATIONS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

BICYCLE CROSSINGS

NS	SS	ES	WS	TOTAL
				0
				0
		1		1
		1		1
				0
				0
				0
		1		1
0	0	3	0	3
				0
		1		1
	1			1
1	1	1	1	4
	1		1	2
	1		1	2
		1		1
	1			1
1	5	3	3	12

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

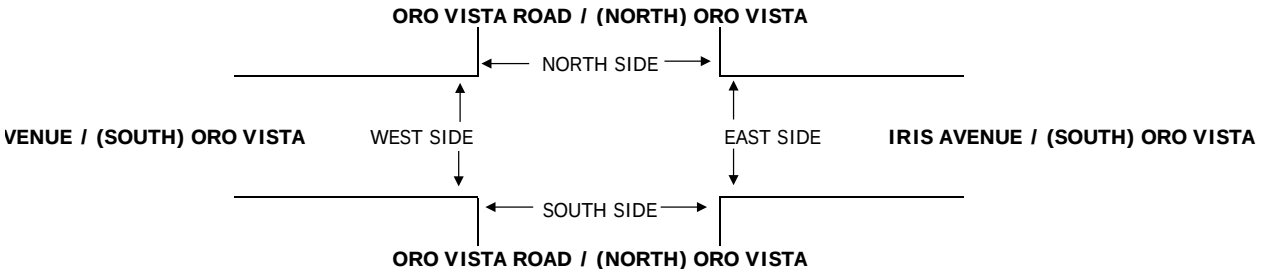
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	ORO VISTA ROAD / (NORTH) ORO VISTA	LOCATION #:	12
TUESDAY	EAST & WEST:	IRIS AVENUE / (SOUTH) ORO VISTA	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND ORO VISTA ROAD / (NORTH) ORO VISTA			SOUTHBOUND ORO VISTA ROAD / (NORTH) ORO VISTA			EASTBOUND IRIS AVENUE / (SOUTH) ORO VISTA			WESTBOUND IRIS AVENUE / (SOUTH) ORO VISTA				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				41		22	34	41			77	49	264					0
	7:15 AM				28		28	19	43			53	16	187					0
	7:30 AM				31		18	32	57			73	28	239					0
	7:45 AM				39		37	41	80			94	44	335					0
	8:00 AM				28		26	18	53			93	40	258					0
	8:15 AM				17		20	27	16			57	14	151					0
	8:30 AM				15		25	9	15			33	10	107					0
	8:45 AM				13		16	19	20			28	9	105					0
	VOLUMES	0	0	0	212	0	192	199	325	0	0	508	210	1,646	0	0	0	0	0
	APPROACH %	0%	0%	0%	52%	0%	48%	38%	62%	0%	0%	71%	29%						
	APP/DEPART	0	/	409	404	/	0	524	/	537	718	/	700	0					
	BEGIN PEAK HR		7:00 AM																
	VOLUMES	0	0	0	139	0	105	126	221	0	0	297	137	1,025					
	APPROACH %	0%	0%	0%	57%	0%	43%	36%	64%	0%	0%	68%	32%						
	PEAK HR FACTOR		0.000			0.803			0.717			0.786		0.765					
	APP/DEPART	0	/	263	244	/	0	347	/	360	434	/	402	0					
PM	4:00 PM				16		27	23	45			51	21	183					0
	4:15 PM				24		22	28	50			52	20	196					0
	4:30 PM				10		16	29	40			41	14	150					0
	4:45 PM				32		26	28	59			60	16	221					0
	5:00 PM				25		27	28	41			71	28	220					0
	5:15 PM				21		32	24	56			64	25	222					0
	5:30 PM				15		23	33	62			54	17	204					0
	5:45 PM				38		29	26	48			44	25	210					0
	VOLUMES	0	0	0	181	0	202	219	401	0	0	437	166	1,606	0	0	0	0	0
	APPROACH %	0%	0%	0%	47%	0%	53%	35%	65%	0%	0%	72%	28%						
	APP/DEPART	0	/	385	383	/	0	620	/	582	603	/	639	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	93	0	108	113	218	0	0	249	86	867					
	APPROACH %	0%	0%	0%	46%	0%	54%	34%	66%	0%	0%	74%	26%						
	PEAK HR FACTOR		0.000			0.866			0.871			0.846		0.976					
	APP/DEPART	0	/	199	201	/	0	331	/	311	335	/	357	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	9				9					0	1				1
	7:15 AM	3				3					0					0
	7:30 AM	11				11					0					0
	7:45 AM	8				8					0	1				1
	8:00 AM	4				4					0					0
	8:15 AM	5				5					0					0
	8:30 AM	2				2					0					0
	8:45 AM	6				6					0	2				2
	TOTAL	48	0	0	0	48	0	0	0	0	0	4	0	0	0	4
PM	4:00 PM	5				5					0					0
	4:15 PM	8		1		9					0					0
	4:30 PM	4				4					0	1				1
	4:45 PM	8		1		9					0				4	4
	5:00 PM	2				2					0					0
	5:15 PM	6				6					0				1	1
	5:30 PM	7				7					0	1		1	1	3
	5:45 PM	5				5					0					0
	TOTAL	45	0	2	0	47	0	0	0	0	0	2	0	1	6	9

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

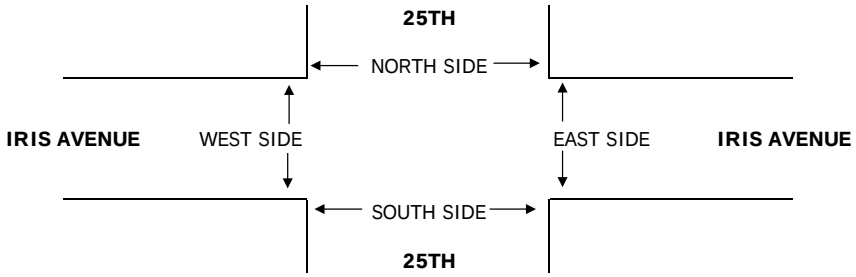
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	25TH	LOCATION #:	13-A
TUESDAY	EAST & WEST:	IRIS AVENUE	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 25TH			SOUTHBOUND 25TH			EASTBOUND IRIS AVENUE			WESTBOUND IRIS AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				8		25	9	70			97	4	213					0
	7:15 AM				9		13	3	65			58	3	151					0
	7:30 AM				25		13	4	85			84	7	218					0
	7:45 AM				50		29	6	105			102	8	300					0
	8:00 AM				42		40	4	86			95	15	282					0
	8:15 AM				15		19	3	29			51	8	125					0
	8:30 AM				8		15	5	27			32	7	94					0
	8:45 AM				8		13	6	26			24	4	81					0
	VOLUMES	0	0	0	165	0	167	40	493	0	0	543	56	1,464	0	0	0	0	0
	APPROACH %	0%	0%	0%	50%	0%	50%	8%	92%	0%	0%	91%	9%						
	APP/DEPART	0	/	96	332	/	0	533	/	658	599	/	710	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	126	0	95	17	341	0	0	339	33	951					
	APPROACH %	0%	0%	0%	57%	0%	43%	5%	95%	0%	0%	91%	9%						
	PEAK HR FACTOR		0.000			0.674			0.806			0.845		0.793					
	APP/DEPART	0	/	50	221	/	0	358	/	467	372	/	434	0					
PM	4:00 PM				10		23	3	58			51	5	150					0
	4:15 PM				19		20	8	64			53	2	166					0
	4:30 PM				16		9	3	53			47	0	128					0
	4:45 PM				19		11	6	84			63	6	189					0
	5:00 PM				18		14	2	70			85	9	198					0
	5:15 PM				21		9	8	69			77	4	188					0
	5:30 PM				9		17	4	70			52	7	159					0
	5:45 PM				14		8	9	72			63	4	170					0
	VOLUMES	0	0	0	126	0	111	43	540	0	0	491	37	1,348	0	0	0	0	0
	APPROACH %	0%	0%	0%	53%	0%	47%	7%	93%	0%	0%	93%	7%						
	APP/DEPART	0	/	80	237	/	0	583	/	666	528	/	602	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	67	0	51	20	293	0	0	277	26	734					
	APPROACH %	0%	0%	0%	57%	0%	43%	6%	94%	0%	0%	91%	9%						
	PEAK HR FACTOR		0.000			0.922			0.869			0.806		0.927					
	APP/DEPART	0	/	46	118	/	0	313	/	360	303	/	328	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	7			1	8					0	2				2
	7:15 AM	2				2					0					0
	7:30 AM	11		1	5	17					0	1				1
	7:45 AM	18			3	21					0	1				1
	8:00 AM	5			1	6					0					0
	8:15 AM	4				4					0					0
	8:30 AM	5				5					0	1				1
	8:45 AM	2				2					0					0
	TOTAL	54	0	1	10	65	0	0	0	0	0	5	0	0	0	5
PM	4:00 PM	8		1		9					0					0
	4:15 PM	6			3	9					0	1				1
	4:30 PM	5				5					0	1				1
	4:45 PM	11				11					0					0
	5:00 PM	4				4					0			1		1
	5:15 PM	7				7					0	1				1
	5:30 PM	7				7					0	1				1
	5:45 PM	6				6					0	2				2
	TOTAL	54	0	1	3	58	0	0	0	0	0	6	0	1	0	7

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

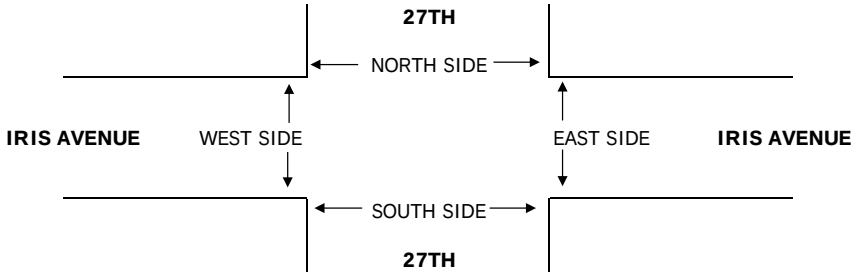
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	27TH	LOCATION #:	13-B
TUESDAY	EAST & WEST:	IRIS AVENUE	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND 27TH			SOUTHBOUND 27TH			EASTBOUND IRIS AVENUE			WESTBOUND IRIS AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				5		18	22	57			78	19	199					0
	7:15 AM				9		13	25	50			48	16	161					0
	7:30 AM				12		17	36	71			74	28	238					0
	7:45 AM				23		35	84	78			78	32	330					0
	8:00 AM				13		25	65	69			86	50	308					0
	8:15 AM				17		19	8	35			40	9	128					0
	8:30 AM				6		11	5	30			26	6	84					0
	8:45 AM				3		2	7	27			28	5	72					0
	VOLUMES	0	0	0	88	0	140	252	417	0	0	458	165	1,520	0	0	0	0	0
	APPROACH %	0%	0%	0%	39%	0%	61%	38%	62%	0%	0%	74%	26%						
	APP/DEPART	0	/	417	228	/	0	669	/	505	623	/	598	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	57	0	90	210	268	0	0	286	126	1,037					
	APPROACH %	0%	0%	0%	39%	0%	61%	44%	56%	0%	0%	69%	31%						
	PEAK HR FACTOR		0.000			0.634			0.738			0.757		0.786					
	APP/DEPART	0	/	336	147	/	0	478	/	325	412	/	376	0					
PM	4:00 PM				14		19	18	57			36	14	158					0
	4:15 PM				11		9	28	55			48	17	168					0
	4:30 PM				15		15	23	48			33	18	152					0
	4:45 PM				15		27	17	86			44	22	211					0
	5:00 PM				13		30	20	69			64	15	211					0
	5:15 PM				15		22	26	66			59	24	212					0
	5:30 PM				15		16	19	61			45	19	175					0
	5:45 PM				13		22	18	65			47	11	176					0
	VOLUMES	0	0	0	111	0	160	169	507	0	0	376	140	1,463	0	0	0	0	0
	APPROACH %	0%	0%	0%	41%	0%	59%	25%	75%	0%	0%	73%	27%						
	APP/DEPART	0	/	309	271	/	0	676	/	618	516	/	536	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	58	0	95	82	282	0	0	212	80	809					
	APPROACH %	0%	0%	0%	38%	0%	62%	23%	77%	0%	0%	73%	27%						
	PEAK HR FACTOR		0.000			0.890			0.883			0.880		0.954					
	APP/DEPART	0	/	162	153	/	0	364	/	340	292	/	307	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	6		1		7					0	1				1
	7:15 AM	3			1	4					0					0
	7:30 AM	17		1		18					0	1				1
	7:45 AM	32		4		36					0	1				1
	8:00 AM	12		4		16					0					0
	8:15 AM	4		2		6					0					0
	8:30 AM	3				3					0	1				1
	8:45 AM	1				1					0					0
	TOTAL	78	0	12	1	91	0	0	0	0	0	4	0	0	0	4
PM	4:00 PM	8		4		12					0					0
	4:15 PM	6		2		8					0	1				1
	4:30 PM	2				2					0	1				1
	4:45 PM	11		3		14					0					0
	5:00 PM	7		3		10					0	1				1
	5:15 PM	7		3		10					0	5				5
	5:30 PM	7				7					0	2				2
	5:45 PM	7		1		8					0	2				2
	TOTAL	55	0	16	0	71	0	0	0	0	0	12	0	0	0	12

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

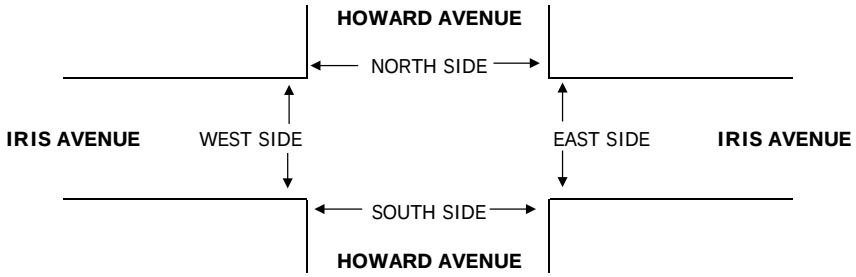
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	HOWARD AVENUE	LOCATION #:	14
TUESDAY	EAST & WEST:	IRIS AVENUE	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND HOWARD AVENUE			SOUTHBOUND HOWARD AVENUE			EASTBOUND IRIS AVENUE			WESTBOUND IRIS AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	24	7	27	3	1	1	1	21	14	18	18	3	138					0
	7:15 AM	14	4	32	1	0	2	1	24	16	21	30	0	145					0
	7:30 AM	19	3	47	2	1	1	0	38	12	29	26	3	181					0
	7:45 AM	28	1	67	1	1	0	0	52	13	35	48	5	251					0
	8:00 AM	23	4	73	4	1	3	1	44	18	27	33	1	232					0
	8:15 AM	10	0	38	0	0	0	0	50	10	25	26	4	163					0
	8:30 AM	9	2	24	1	1	1	1	23	14	13	21	1	111					0
	8:45 AM	12	4	34	1	0	0	0	30	6	19	13	2	121					0
	VOLUMES	139	25	342	13	5	8	4	282	103	187	215	19	1,342	0	0	0	0	0
	APPROACH %	27%	5%	68%	50%	19%	31%	1%	72%	26%	44%	51%	5%						
	APP/DEPART	506	/	48	26	/	295	389	/	637	421	/	362	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	80	8	225	7	3	4	1	184	53	116	133	13	827					
	APPROACH %	26%	3%	72%	50%	21%	29%	0%	77%	22%	44%	51%	5%						
	PEAK HR FACTOR		0.783			0.438			0.915			0.744		0.824					
	APP/DEPART	313	/	22	14	/	172	238	/	416	262	/	217	0					
PM	4:00 PM	13	2	19	3	2	0	0	30	14	46	43	5	177					0
	4:15 PM	13	1	24	0	4	3	0	21	16	13	44	4	143					0
	4:30 PM	16	2	20	1	1	0	1	31	10	37	41	3	163					0
	4:45 PM	14	1	31	3	4	1	0	36	16	25	42	6	179				1	1
	5:00 PM	24	0	46	1	1	0	0	39	19	37	52	4	223					0
	5:15 PM	15	1	35	0	2	0	0	35	6	39	62	8	203					0
	5:30 PM	12	4	28	1	5	3	0	21	14	39	47	6	180					0
	5:45 PM	14	1	25	3	2	0	0	31	18	23	41	5	163					0
	VOLUMES	121	12	228	12	21	7	1	244	113	259	372	41	1,431	0	0	0	1	1
	APPROACH %	34%	3%	63%	30%	53%	18%	0%	68%	32%	39%	55%	6%						
	APP/DEPART	361	/	54	40	/	393	358	/	484	672	/	500	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	65	6	140	5	12	4	0	131	55	140	203	24	785					
	APPROACH %	31%	3%	66%	24%	57%	19%	0%	70%	30%	38%	55%	7%						
	PEAK HR FACTOR		0.754			0.583			0.802			0.842		0.880					
	APP/DEPART	211	/	30	21	/	207	186	/	276	367	/	272	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	5		10	5	20					0	1	1	1		3
	7:15 AM	4		15	10	29					0					0
	7:30 AM	4	2	3	9	18					0					0
	7:45 AM	4	5	15	10	34					0			2		2
	8:00 AM	3		7	5	15					0					0
	8:15 AM	1	2	3	7	13					0					0
	8:30 AM	1	1	4	9	15					0	1				1
	8:45 AM	3	3		1	7					0					0
	TOTAL	25	13	57	56	151	0	0	0	0	0	2	1	3	0	6
PM	4:00 PM	3	3	3	3	12					0					0
	4:15 PM	1	5	2	7	15					0	1				1
	4:30 PM	3	3	2	5	13					0		1			1
	4:45 PM	4		7	7	18					0					0
	5:00 PM	3		3	1	7					0					0
	5:15 PM	2			8	10					0					0
	5:30 PM	3	1	1	6	11					0	2				2
	5:45 PM	1	3	3	10	17					0					0
	TOTAL	20	15	21	47	103	0	0	0	0	0	3	1	0	0	4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

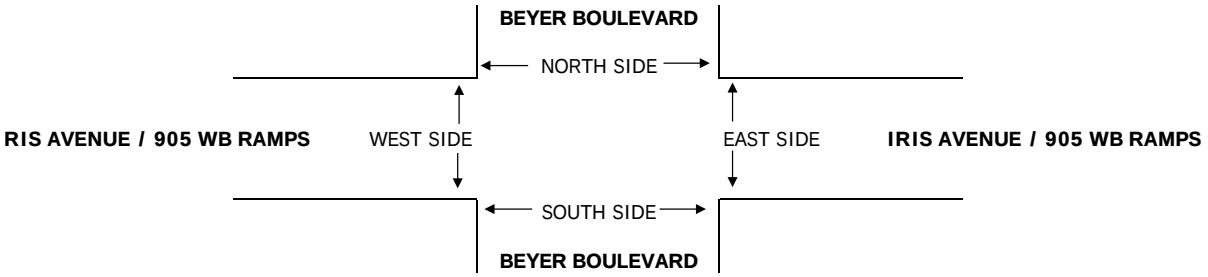
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	BEYER BOULEVARD	LOCATION #:	15
	EAST & WEST:	IRIS AVENUE / 905 WB RAMPS	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND BEYER BOULEVARD			SOUTHBOUND BEYER BOULEVARD			EASTBOUND IRIS AVENUE / 905 WB RAMPS			WESTBOUND IRIS AVENUE / 905 WB RAMPS				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	21	39	40	19	50	8	8	17	18	31	34	25	310					0
	7:15 AM	25	53	25	18	67	6	17	17	38	26	34	25	351					0
	7:30 AM	21	67	34	16	98	16	17	12	39	37	37	42	436					0
	7:45 AM	36	72	32	10	100	20	20	22	41	46	63	44	506					0
	8:00 AM	20	67	20	16	82	20	27	29	82	42	34	44	483		2			2
	8:15 AM	23	73	27	17	86	15	28	22	43	42	40	30	446					0
	8:30 AM	20	55	26	22	80	18	11	14	42	27	34	32	381					0
	8:45 AM	21	58	21	18	76	14	19	16	33	33	32	38	379					0
	VOLUMES	187	484	225	136	639	117	147	149	336	284	308	280	3,292	0	2	0	0	2
	APPROACH %	21%	54%	25%	15%	72%	13%	23%	24%	53%	33%	35%	32%						
	APP/DEPART	896	/	911	892	/	1,259	632	/	510	872	/	612	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	100	279	113	59	366	71	92	85	205	167	174	160	1,871					
	APPROACH %	20%	57%	23%	12%	74%	14%	24%	22%	54%	33%	35%	32%						
	PEAK HR FACTOR		0.879			0.954			0.692			0.819		0.924					
	APP/DEPART	492	/	531	496	/	738	382	/	257	501	/	345	0					
PM	4:00 PM	23	86	22	18	128	23	17	20	52	63	45	58	555					0
	4:15 PM	16	75	23	17	131	28	18	14	42	82	45	66	557					0
	4:30 PM	21	89	22	18	134	20	15	12	47	69	50	63	560					0
	4:45 PM	24	78	20	26	127	26	20	20	46	66	38	68	559					0
	5:00 PM	22	115	30	34	140	27	20	35	57	62	40	47	629		1			1
	5:15 PM	30	90	17	28	137	28	15	24	64	59	46	50	588		4			4
	5:30 PM	27	71	38	16	132	29	18	14	44	70	45	71	575		1			1
	5:45 PM	21	96	17	23	140	25	21	13	46	56	42	61	561		1			1
	VOLUMES	184	700	189	180	1,069	206	144	152	398	527	351	484	4,584	0	7	0	0	7
	APPROACH %	17%	65%	18%	12%	73%	14%	21%	22%	57%	39%	26%	36%						
	APP/DEPART	1,073	/	1,328	1,455	/	1,994	694	/	521	1,362	/	741	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	100	372	102	101	549	109	74	86	211	247	173	229	2,353					
	APPROACH %	17%	65%	18%	13%	72%	14%	20%	23%	57%	38%	27%	35%						
	PEAK HR FACTOR		0.859			0.944			0.828			0.872		0.935					
	APP/DEPART	574	/	675	759	/	1,007	371	/	289	649	/	382	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2			2	4					0			1		1
	7:15 AM	3				3					0					0
	7:30 AM	2	1			3					0					0
	7:45 AM					0					0					0
	8:00 AM					0					0					0
	8:15 AM	1			3	4					0					0
	8:30 AM	1	1		1	3					0					0
	8:45 AM	1			2	3					0					0
	TOTAL	10	2	0	8	20	0	0	0	0	0	0	0	1	0	1
PM	4:00 PM				1	1					0	1			1	2
	4:15 PM	3				3					0				1	1
	4:30 PM	3				3					0				2	2
	4:45 PM					0					0				1	1
	5:00 PM		1			1					0					0
	5:15 PM				1	1					0					0
	5:30 PM					0					0					0
	5:45 PM	3		1	1	5					0				2	2
	TOTAL	9	1	1	3	14	0	0	0	0	0	1	0	0	7	8

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	DAIRY MART ROAD / 905 EB RAMPS	LOCATION #:	16
	EAST & WEST:	BEYER BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

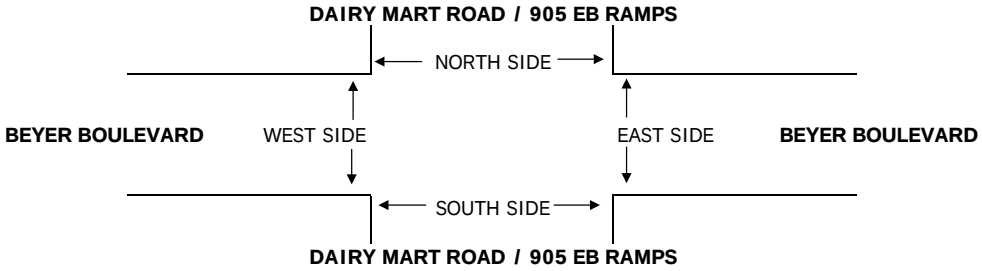
AM / PM / MD / OTHER / OTHER

▲ N ◄ W E ► S ▼

		NORTHBOUND DAIRY MART ROAD / 905 EB RAMPS			SOUTHBOUND DAIRY MART ROAD / 905 EB RAMPS			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	29	42	5	6	7	17	40	38	30	3	54	14	285
	7:15 AM	31	45	14	21	1	21	54	43	34	2	55	11	332
	7:30 AM	40	46	21	9	2	18	59	60	45	2	62	12	376
	7:45 AM	42	42	20	18	8	26	72	73	49	8	77	21	456
	8:00 AM	36	40	16	26	5	28	70	75	65	5	43	19	428
	8:15 AM	51	36	7	15	3	20	67	45	58	9	65	28	404
	8:30 AM	31	32	3	20	2	16	51	52	45	6	56	18	332
	8:45 AM	30	33	10	13	3	17	50	43	56	8	48	10	321
	VOLUMES	290	316	96	128	31	163	463	429	382	43	460	133	2,934
	APPROACH %	41%	45%	14%	40%	10%	51%	36%	34%	30%	7%	72%	21%	
	APP/DEPART	702	/	912	322	/	456	1,274	/	653	636	/	913	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	169	164	64	68	18	92	268	253	217	24	247	80	1,664
	APPROACH %	43%	41%	16%	38%	10%	52%	36%	34%	29%	7%	70%	23%	
	PEAK HR FACTOR		0.928			0.754			0.879			0.828		0.912
	APP/DEPART	397	/	512	178	/	259	738	/	385	351	/	508	0
PM	4:00 PM	40	36	10	8	15	35	50	78	107	14	61	19	473
	4:15 PM	36	50	14	8	14	28	65	67	122	8	50	18	480
	4:30 PM	31	26	11	11	9	38	53	63	134	8	63	29	476
	4:45 PM	39	29	17	16	12	29	50	68	124	13	64	13	474
	5:00 PM	59	36	13	8	14	27	72	78	111	12	81	29	540
	5:15 PM	56	42	20	14	10	31	52	73	123	10	47	17	495
	5:30 PM	39	22	9	11	9	33	70	59	119	11	67	11	460
	5:45 PM	52	34	15	7	11	25	53	66	117	5	54	7	446
	VOLUMES	352	275	109	83	94	246	465	552	957	81	487	143	3,844
	APPROACH %	48%	37%	15%	20%	22%	58%	24%	28%	48%	11%	68%	20%	
	APP/DEPART	736	/	883	423	/	1,132	1,974	/	744	711	/	1,085	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	185	133	61	49	45	125	227	282	492	43	255	88	1,985
	APPROACH %	49%	35%	16%	22%	21%	57%	23%	28%	49%	11%	66%	23%	
	PEAK HR FACTOR		0.803			0.944			0.959			0.791		0.919
	APP/DEPART	379	/	448	219	/	580	1,001	/	392	386	/	565	0

U-TURNS

	NB	SB	EB	WB	TTL
	X	X	X	X	
AM					0
					0
					0
					0
					0
					0
					0
					0
AM VOLUMES	0	0	0	0	0
PM					0
					0
					0
					0
					0
					0
					0
					0
PM VOLUMES	0	0	0	0	0



PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM				5	5
7:15 AM			2	1	3
7:30 AM			1	1	2
7:45 AM			4	5	9
8:00 AM			4	2	6
8:15 AM		2		6	8
8:30 AM			1	2	3
8:45 AM			1	2	3
AM TOTAL	0	2	13	24	39
4:00 PM				1	1
4:15 PM					0
4:30 PM				1	1
4:45 PM				1	1
5:00 PM				1	1
5:15 PM				2	2
5:30 PM					0
5:45 PM				1	1
PM TOTAL	0	0	0	7	7

PEDESTRIAN ACTIVATIONS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM					0
7:15 AM					0
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM					0
AM TOTAL	0	0	0	0	0
4:00 PM					0
4:15 PM					0
4:30 PM					0
4:45 PM					0
5:00 PM					0
5:15 PM					0
5:30 PM					0
5:45 PM					0
PM TOTAL	0	0	0	0	0

BICYCLE CROSSINGS

	NS	SS	ES	WS	TOTAL
7:00 AM		2	2		4
7:15 AM					0
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM				1	1
AM TOTAL	0	2	2	1	5
4:00 PM					0
4:15 PM					0
4:30 PM					0
4:45 PM			1		1
5:00 PM					0
5:15 PM					0
5:30 PM				1	1
5:45 PM					0
PM TOTAL	0	0	1	1	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

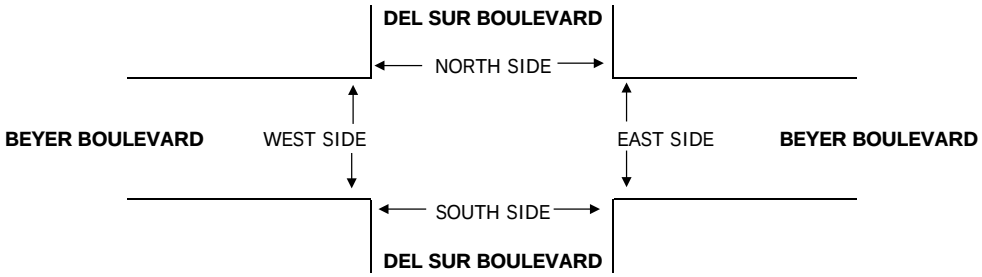
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	DEL SUR BOULEVARD	LOCATION #:	17
TUESDAY	EAST & WEST:	BEYER BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND DEL SUR BOULEVARD			SOUTHBOUND DEL SUR BOULEVARD			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				11		18	7	29			24	11	100					0
	7:15 AM				18		18	22	37			40	14	149					0
	7:30 AM				30		15	6	62			46	21	180					0
	7:45 AM				23		19	13	62			60	21	198					0
	8:00 AM				17		13	17	55			57	28	187					0
	8:15 AM				14		18	13	39			51	28	163					0
	8:30 AM				9		25	9	43			39	18	143					0
	8:45 AM				9		14	8	38			48	10	127					0
	VOLUMES	0	0	0	131	0	140	95	365	0	0	365	151	1,247	0	0	0	0	0
	APPROACH %	0%	0%	0%	48%	0%	52%	21%	79%	0%	0%	71%	29%						
	APP/DEPART	0	/	246	271	/	0	460	/	496	516	/	505	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	84	0	65	49	218	0	0	214	98	728					
	APPROACH %	0%	0%	0%	56%	0%	44%	18%	82%	0%	0%	69%	31%						
	PEAK HR FACTOR		0.000			0.828			0.890			0.918		0.919					
	APP/DEPART	0	/	147	149	/	0	267	/	302	312	/	279	0					
PM	4:00 PM				14		19	15	63			45	17	173					0
	4:15 PM				15		16	12	66			49	11	169					0
	4:30 PM				13		15	8	63			52	21	172					0
	4:45 PM				20		20	14	73			60	18	205					0
	5:00 PM				18		22	16	72			60	17	205					0
	5:15 PM				16		20	12	87			46	19	200					0
	5:30 PM				19		21	9	62			52	16	179					0
	5:45 PM				21		18	11	94			42	16	202					0
	VOLUMES	0	0	0	136	0	151	97	580	0	0	406	135	1,505	0	0	0	0	0
	APPROACH %	0%	0%	0%	47%	0%	53%	14%	86%	0%	0%	75%	25%						
	APP/DEPART	0	/	232	287	/	0	677	/	716	541	/	557	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	0	0	0	73	0	83	51	294	0	0	218	70	789					
	APPROACH %	0%	0%	0%	47%	0%	53%	15%	85%	0%	0%	76%	24%						
	PEAK HR FACTOR		0.000			0.975			0.871			0.923		0.962					
	APP/DEPART	0	/	121	156	/	0	345	/	367	288	/	301	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2				2					0					0
	7:15 AM	2		3	1	6					0					0
	7:30 AM				1	1					0					0
	7:45 AM	1		3	1	5					0					0
	8:00 AM	3				3					0					0
	8:15 AM	6		1		7					0					0
	8:30 AM	1		1	1	3					0					0
	8:45 AM			4		4					0					0
	TOTAL	15	0	12	4	31	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM			6		6					0					0
	4:15 PM			1		1					0					0
	4:30 PM	9		9		18					0					0
	4:45 PM	2		3		5					0					0
	5:00 PM	3		6		9					0					0
	5:15 PM			2	2	4					0					0
	5:30 PM	1		5		6					0					0
	5:45 PM			5		5					0					0
	TOTAL	15	0	37	2	54	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

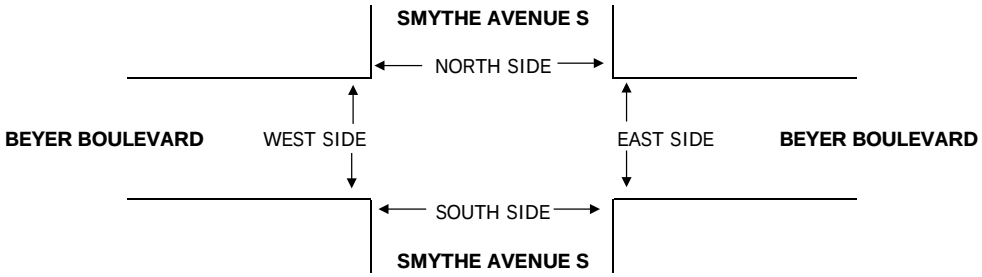
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	SMYTHE AVENUE S	LOCATION #:	18
	EAST & WEST:	BEYER BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SMYTHE AVENUE S			SOUTHBOUND SMYTHE AVENUE S			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	14		34					35	9	29	32		153					0
	7:15 AM	12		43					48	13	32	43		191					0
	7:30 AM	11		70					69	12	38	49		249					0
	7:45 AM	15		68					61	25	79	57		305					0
	8:00 AM	23		62					70	16	83	57		311					0
	8:15 AM	13		60					41	12	66	65		257					0
	8:30 AM	17		47					41	15	35	45		200					0
	8:45 AM	14		30					36	9	37	41		167					0
	VOLUMES	119	0	414	0	0	0	0	401	111	399	389	0	1,833	0	0	0	0	0
	APPROACH %	22%	0%	78%	0%	0%	0%	0%	78%	22%	51%	49%	0%						
	APP/DEPART	533	/	0	0	/	510	512	/	815	788	/	508	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	62	0	260	0	0	0	0	241	65	266	228	0	1,122					
	APPROACH %	19%	0%	81%	0%	0%	0%	0%	79%	21%	54%	46%	0%						
	PEAK HR FACTOR		0.947			0.000			0.890			0.882		0.902					
	APP/DEPART	322	/	0	0	/	331	306	/	501	494	/	290	0					
PM	4:00 PM	17		30					54	21	69	40		231					0
	4:15 PM	11		20					45	35	63	54		228					0
	4:30 PM	15		38					50	22	67	58		250					0
	4:45 PM	16		33					60	32	61	52		254					0
	5:00 PM	20		35					64	25	69	45		258					0
	5:15 PM	23		32					62	34	50	46		247					0
	5:30 PM	20		40					62	29	56	43		250					0
	5:45 PM	13		45					83	33	51	49		274					0
	VOLUMES	135	0	273	0	0	0	0	480	231	486	387	0	1,992	0	0	0	0	0
	APPROACH %	33%	0%	67%	0%	0%	0%	0%	68%	32%	56%	44%	0%						
	APP/DEPART	408	/	0	0	/	717	711	/	753	873	/	522	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	76	0	152	0	0	0	0	271	121	226	183	0	1,029					
	APPROACH %	33%	0%	67%	0%	0%	0%	0%	69%	31%	55%	45%	0%						
	PEAK HR FACTOR		0.950			0.000			0.845			0.897		0.939					
	APP/DEPART	228	/	0	0	/	347	392	/	423	409	/	259	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		2	1		3					0					0
	7:15 AM					0					0					0
	7:30 AM					0					0					0
	7:45 AM		1			1					0		1			1
	8:00 AM		3			3					0		1			1
	8:15 AM		1		1	2					0		1			1
	8:30 AM		1		1	2					0					0
	8:45 AM			1	1	2					0					0
	TOTAL	0	8	2	3	13	0	0	0	0	0	0	3	0	0	3
PM	4:00 PM		3			3					0					0
	4:15 PM		2		2	4					0		2			2
	4:30 PM			1		1					0					0
	4:45 PM		2	1	2	5					0					0
	5:00 PM		2			2					0					0
	5:15 PM		3			3					0		2			2
	5:30 PM		2			2					0					0
	5:45 PM		1		1	2					0					0
	TOTAL	0	15	2	5	22	0	0	0	0	0	0	4	0	0	4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

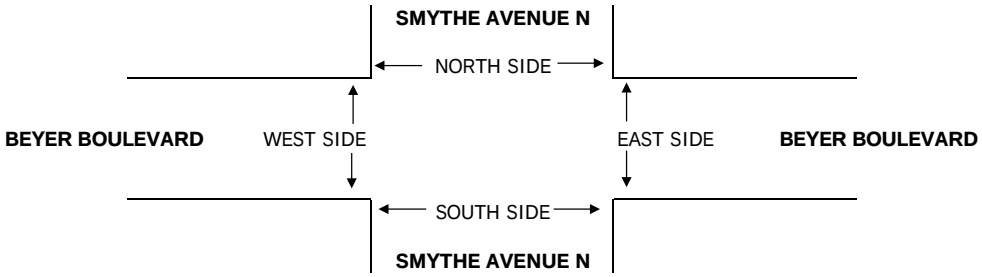
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	SMYTHE AVENUE N	LOCATION #:	19
	EAST & WEST:	BEYER BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SMYTHE AVENUE N			SOUTHBOUND SMYTHE AVENUE N			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				28		25	26	48			39	18	184					0
	7:15 AM				47		33	36	59			43	29	247					0
	7:30 AM				64		32	36	102			54	31	319					0
	7:45 AM				89		57	55	67			81	78	427					0
	8:00 AM				60		87	70	64			53	46	380					0
	8:15 AM				79		90	51	60			40	39	359					0
	8:30 AM				42		41	36	50			43	34	246					0
	8:45 AM				37		30	20	49			49	22	207					0
	VOLUMES	0	0	0	446	0	395	330	499	0	0	402	297	2,369	0	0	0	0	0
	APPROACH %	0%	0%	0%	53%	0%	47%	40%	60%	0%	0%	58%	42%						
	APP/DEPART	0	/	627	841	/	0	829	/	945	699	/	797	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	292	0	266	212	293	0	0	228	194	1,485					
	APPROACH %	0%	0%	0%	52%	0%	48%	42%	58%	0%	0%	54%	46%						
	PEAK HR FACTOR		0.000			0.825			0.915			0.664		0.869					
	APP/DEPART	0	/	406	558	/	0	505	/	585	422	/	494	0					
PM	4:00 PM				52		60	24	66			49	30	281					0
	4:15 PM				50		59	17	47			56	27	256					0
	4:30 PM				47		74	29	59			55	35	299					0
	4:45 PM				47		65	33	60			57	26	288					0
	5:00 PM				55		55	29	64			59	69	331					0
	5:15 PM				71		44	26	68			54	33	296					0
	5:30 PM				54		56	31	68			42	23	274					0
	5:45 PM				67		56	35	92			41	23	314					0
	VOLUMES	0	0	0	443	0	469	224	524	0	0	413	266	2,339	0	0	0	0	0
	APPROACH %	0%	0%	0%	49%	0%	51%	30%	70%	0%	0%	61%	39%						
	APP/DEPART	0	/	490	912	/	0	748	/	967	679	/	882	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	247	0	211	121	292	0	0	196	148	1,215					
	APPROACH %	0%	0%	0%	54%	0%	46%	29%	71%	0%	0%	57%	43%						
	PEAK HR FACTOR		0.000			0.931			0.813			0.672		0.918					
	APP/DEPART	0	/	269	458	/	0	413	/	539	344	/	407	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	7		1	11	19					0					0
	7:15 AM	6			4	10					0					0
	7:30 AM	3		1	6	10					0					0
	7:45 AM	6		3	15	24					0				2	2
	8:00 AM	4		2	17	23					0					0
	8:15 AM	4		5	13	22					0					0
	8:30 AM	2		2		4					0					0
	8:45 AM	4		1	1	6					0					0
	TOTAL	36	0	15	67	118	0	0	0	0	0	0	0	0	2	2
PM	4:00 PM	1		3		4					0					0
	4:15 PM	6		4	4	14					0					0
	4:30 PM	1			11	12					0					0
	4:45 PM	1			1	2					0					0
	5:00 PM				4	4					0					0
	5:15 PM	6		1	15	22					0					0
	5:30 PM			1	3	4					0					0
	5:45 PM	1			1	2					0					0
	TOTAL	16	0	9	39	64	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

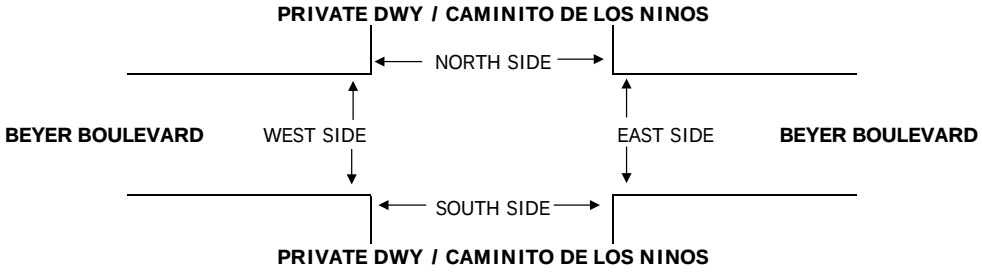
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	PRIVATE DWY / CAMINITO DE LOS NINOS	LOCATION #:	20
TUESDAY	EAST & WEST:	BEYER BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND PRIVATE DWY / CAMINITO DE LOS NINOS			SOUTHBOUND PRIVATE DWY / CAMINITO DE LOS NINOS			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	3	0	4	0	0	0	0	67	0	3	51	0	128				1	1
	7:15 AM	8	0	4	0	0	0	1	85	0	11	73	1	183				3	3
	7:30 AM	2	0	4	0	0	0	9	136	1	8	91	0	251				3	3
	7:45 AM	4	1	9	0	0	3	10	109	2	4	147	4	293					0
	8:00 AM	4	1	2	1	0	1	11	90	1	2	87	5	205					0
	8:15 AM	3	0	5	0	0	5	13	111	0	3	61	2	203					0
	8:30 AM	4	0	4	2	0	3	15	70	0	5	55	4	162					0
	8:45 AM	5	0	6	1	0	5	16	61	1	3	55	0	153				1	1
	VOLUMES	33	2	38	4	0	17	75	729	5	39	620	16	1,578	0	0	0	8	8
	APPROACH %	45%	3%	52%	19%	0%	81%	9%	90%	1%	6%	92%	2%						
	APP/DEPART	73	/	93	21	/	44	809	/	771	675	/	670	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	13	2	20	1	0	9	43	446	4	17	386	11	952					
	APPROACH %	37%	6%	57%	10%	0%	90%	9%	90%	1%	4%	93%	3%						
	PEAK HR FACTOR		0.625			0.500			0.844			0.668		0.812					
	APP/DEPART	35	/	56	10	/	21	493	/	467	414	/	408	0					
PM	4:00 PM	4	0	4	2	0	7	6	105	0	1	55	1	185					0
	4:15 PM	7	0	1	2	0	8	3	85	0	1	60	0	167					0
	4:30 PM	3	0	4	4	0	9	3	110	0	2	64	2	201					0
	4:45 PM	9	0	4	4	0	7	4	96	1	2	55	0	182					0
	5:00 PM	30	0	5	1	0	13	4	115	0	0	59	1	228					0
	5:15 PM	13	1	6	0	1	2	0	127	2	3	58	0	213					0
	5:30 PM	3	0	7	0	0	1	3	110	0	2	52	0	178					0
	5:45 PM	4	0	4	0	0	0	1	149	2	3	56	1	220				1	1
	VOLUMES	73	1	35	13	1	47	24	897	5	14	459	5	1,574	0	0	1	0	1
	APPROACH %	67%	1%	32%	21%	2%	77%	3%	97%	1%	3%	96%	1%						
	APP/DEPART	109	/	30	61	/	20	926	/	945	478	/	579	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	50	1	22	1	1	16	8	501	4	8	225	2	839					
	APPROACH %	68%	1%	30%	6%	6%	89%	2%	98%	1%	3%	96%	1%						
	PEAK HR FACTOR		0.521			0.321			0.844			0.963		0.920					
	APP/DEPART	73	/	11	18	/	13	513	/	524	235	/	291	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	7	5	20	8	40					0					0
	7:15 AM	6	11	10	5	32					0					0
	7:30 AM	4	5	26	22	57					0					0
	7:45 AM	10	4	31	37	82					0					0
	8:00 AM	5	4	13	9	31					0		1			1
	8:15 AM	8	7	17	15	47					0					0
	8:30 AM	5	5	11	7	28					0	1				1
	8:45 AM	6	3	18	18	45					0					0
	TOTAL	51	44	146	121	362	0	0	0	0	0	1	1	0	0	2
PM	4:00 PM	7		5	12	24					0					0
	4:15 PM	5	2	10	5	22					0		2			2
	4:30 PM	3		11	9	23					0	1	1			2
	4:45 PM	1	5	20	10	36					0		1			1
	5:00 PM	2	4	19	23	48					0	1			1	2
	5:15 PM	1	7	9	2	19					0					0
	5:30 PM	1	5	11	4	21					0					0
	5:45 PM		6	12		18					0					0
	TOTAL	20	29	97	65	211	0	0	0	0	0	2	4	0	1	7

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

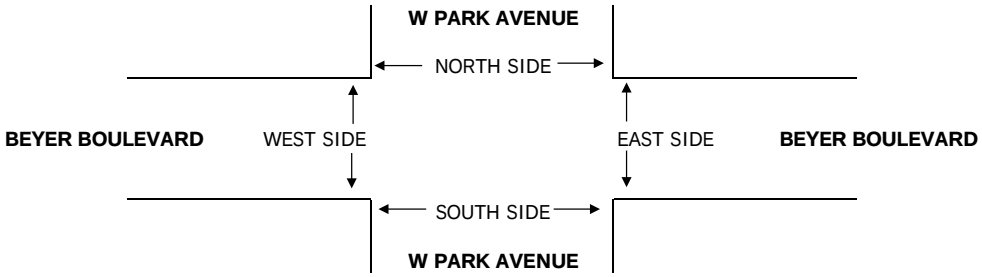
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	W PARK AVENUE	LOCATION #:	21
TUESDAY	EAST & WEST:	BEYER BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND W PARK AVENUE			SOUTHBOUND W PARK AVENUE			EASTBOUND BEYER BOULEVARD			WESTBOUND BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	7	12	9	8	6	5	16	33	6	5	35	5	147					0
	7:15 AM	9	15	18	9	9	10	13	58	14	16	12	20	203	1				1
	7:30 AM	15	15	48	21	8	10	17	103	16	19	76	23	371			1		1
	7:45 AM	29	15	25	12	18	16	18	91	31	33	89	16	393			10		10
	8:00 AM	38	17	15	16	17	14	12	59	27	13	46	16	290			2		2
	8:15 AM	20	18	11	17	18	9	21	59	24	4	38	5	244					0
	8:30 AM	16	8	11	11	14	18	16	47	16	6	39	5	207					0
	8:45 AM	9	7	6	5	6	9	13	34	19	2	29	3	142					0
	VOLUMES	143	107	143	99	96	91	126	484	153	98	364	93	1,997	1	0	13	0	14
	APPROACH %	36%	27%	36%	35%	34%	32%	17%	63%	20%	18%	66%	17%						
	APP/DEPART	393	/	326	286	/	347	763	/	726	555	/	598	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	102	65	99	66	61	49	68	312	98	69	249	60	1,298					
	APPROACH %	38%	24%	37%	38%	35%	28%	14%	65%	21%	18%	66%	16%						
	PEAK HR FACTOR		0.853			0.936			0.854			0.685		0.826					
	APP/DEPART	266	/	193	176	/	228	478	/	477	378	/	400	0					
PM	4:00 PM	11	7	8	8	6	5	13	53	39	4	35	4	193					0
	4:15 PM	17	10	9	7	10	12	8	47	23	5	34	6	188					0
	4:30 PM	16	7	3	9	10	12	12	64	22	11	32	8	206					0
	4:45 PM	19	12	5	10	11	14	9	65	24	3	26	6	204					0
	5:00 PM	25	8	3	12	9	8	13	68	30	5	26	4	211					0
	5:15 PM	9	11	2	14	8	7	14	73	27	7	33	7	212					0
	5:30 PM	16	10	8	9	5	13	8	74	32	4	33	8	220					0
	5:45 PM	18	16	14	11	17	5	25	82	34	4	44	12	282					0
	VOLUMES	131	81	52	80	76	76	102	526	231	43	263	55	1,716	0	0	0	0	0
	APPROACH %	50%	31%	20%	34%	33%	33%	12%	61%	27%	12%	73%	15%						
	APP/DEPART	264	/	238	232	/	350	859	/	658	361	/	470	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	68	45	27	46	39	33	60	297	123	20	136	31	925					
	APPROACH %	49%	32%	19%	39%	33%	28%	13%	62%	26%	11%	73%	17%						
	PEAK HR FACTOR		0.729			0.894			0.851			0.779		0.820					
	APP/DEPART	140	/	136	118	/	182	480	/	370	187	/	237	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	6	10	10	8	34					0	1			1	2
	7:15 AM	20	6	29	22	77					0					0
	7:30 AM	6	11	13	11	41					0					0
	7:45 AM	10	16	20	10	56					0					0
	8:00 AM	4	10	10	7	31					0				1	1
	8:15 AM	7	10	4	7	28					0					0
	8:30 AM		5	4	8	17					0					0
	8:45 AM	2	7	2	5	16					0					0
	TOTAL	55	75	92	78	300	0	0	0	0	0	1	0	0	2	3
PM	4:00 PM	3	3	4	5	15					0					0
	4:15 PM	4	8	5	10	27					0	2		2	2	6
	4:30 PM	3	5	2	3	13					0	1				1
	4:45 PM	2	7	1	3	13					0			1		1
	5:00 PM	10	7	1	10	28					0		1		1	2
	5:15 PM	4		7	5	16					0			2		2
	5:30 PM	7	8	1	9	25					0					0
	5:45 PM	8	5	6	3	22					0					0
	TOTAL	41	43	27	48	159	0	0	0	0	0	3	1	5	3	12

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

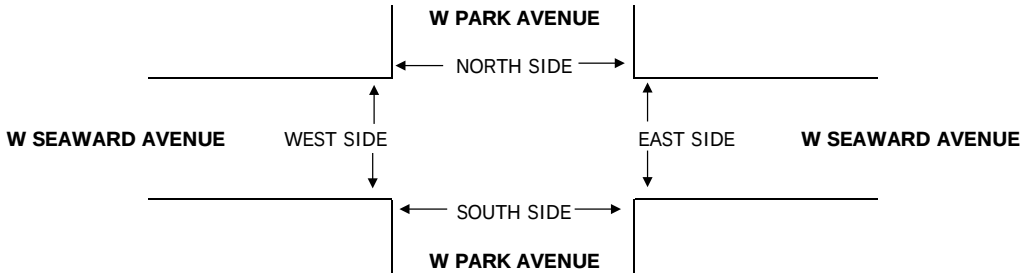
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	W PARK AVENUE	LOCATION #:	22
TUESDAY	EAST & WEST:	W SEAWARD AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND W PARK AVENUE			SOUTHBOUND W PARK AVENUE			EASTBOUND W SEAWARD AVENUE			WESTBOUND W SEAWARD AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				0	12	6	6	0	3	0	3	25	55					0
	7:15 AM				1	25	5	2	0	0	1	1	39	74					0
	7:30 AM				1	22	12	34	0	1	2	14	50	136					0
	7:45 AM				3	54	31	13	0	0	4	36	62	203					0
	8:00 AM				1	51	13	19	0	0	5	6	45	140					0
	8:15 AM				4	33	5	11	2	4	5	3	34	101					0
	8:30 AM				0	29	7	7	1	5	5	2	28	84					0
	8:45 AM				2	24	1	1	0	3	0	2	18	51					0
	VOLUMES	0	0	0	12	250	80	93	3	16	22	67	301	844	0	0	0	0	0
	APPROACH %	0%	0%	0%	4%	73%	23%	83%	3%	14%	6%	17%	77%						
	APP/DEPART	0	/	394	342	/	288	112	/	15	390	/	147	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	0	0	9	160	61	77	2	5	16	59	191	580					
	APPROACH %	0%	0%	0%	4%	70%	27%	92%	2%	6%	6%	22%	72%						
	PEAK HR FACTOR		0.000			0.653			0.600			0.652		0.714					
	APP/DEPART	0	/	268	230	/	181	84	/	11	266	/	120	0					
PM	4:00 PM				6	36	6	8	0	2	7	2	21	88					0
	4:15 PM				0	33	5	7	0	3	7	2	26	83					0
	4:30 PM			1	1	31	10	4	0	2	12	3	20	84					0
	4:45 PM				1	29	8	8	1	1	3	2	27	80					0
	5:00 PM				3	33	6	8	1	4	7	1	27	90					0
	5:15 PM	1		1	3	36	3	7	5	5	3	12	19	95					0
	5:30 PM				1	30	7	7	1	1	7	3	27	84					0
	5:45 PM				1	47	6	14	0	2	6	4	32	112					0
	VOLUMES	1	0	2	16	275	51	63	8	20	52	29	199	716	0	0	0	0	0
	APPROACH %	33%	0%	67%	5%	80%	15%	69%	9%	22%	19%	10%	71%						
	APP/DEPART	3	/	262	342	/	347	91	/	26	280	/	81	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	1	0	1	8	146	22	36	7	12	23	20	105	381					
	APPROACH %	50%	0%	50%	5%	83%	13%	65%	13%	22%	16%	14%	71%						
	PEAK HR FACTOR		0.250			0.815			0.809			0.881		0.850					
	APP/DEPART	2	/	141	176	/	181	55	/	16	148	/	43	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	3	8	1		12					0	2				2
	7:15 AM	3	10	3		16					0			2		2
	7:30 AM	8	5			13					0			2		2
	7:45 AM	5	2	3		10					0					0
	8:00 AM	1	4	1		6					0					0
	8:15 AM	5				5					0					0
	8:30 AM		1			1					0					0
	8:45 AM	2	7		1	10					0					0
	TOTAL	27	37	8	1	73	0	0	0	0	0	2	0	4	0	6
PM	4:00 PM			1		1					0					0
	4:15 PM	3				3					0					0
	4:30 PM	4	1		1	6					0					0
	4:45 PM	4	6			10					0			1		1
	5:00 PM	9	3	3		15					0			1		1
	5:15 PM		2			2					0					0
	5:30 PM	3	7			10					0					0
	5:45 PM	6	6			12					0					0
	TOTAL	29	25	4	1	59	0	0	0	0	0	0	0	2	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

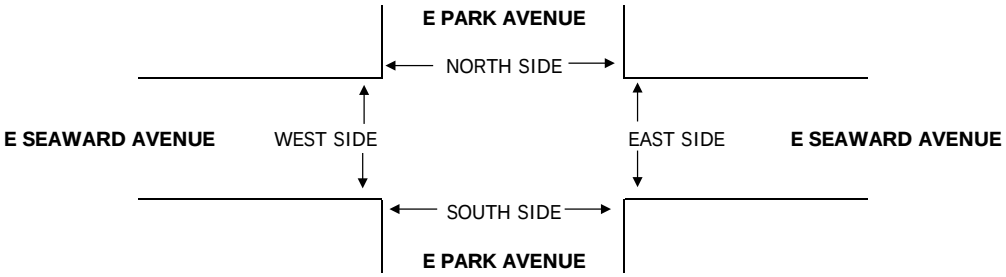
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	E PARK AVENUE	LOCATION #:	23
TUESDAY	EAST & WEST:	E SEAWARD AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND E PARK AVENUE			SOUTHBOUND E PARK AVENUE			EASTBOUND E SEAWARD AVENUE			WESTBOUND E SEAWARD AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	26		1				0	0		0	2		29					0
	7:15 AM	34		1				0	1		0	5		41					0
	7:30 AM	65		1				0	1		0	3		70					0
	7:45 AM	98		2				0	3		0	6		109					0
	8:00 AM	49		1				0	0		0	8		58					0
	8:15 AM	39		1				0	6		0	4		50					0
	8:30 AM	31		1				0	1		0	3		36					0
	8:45 AM	19		0				0	2		0	2		23					0
	VOLUMES	361	0	8	0	0	0	0	14	0	0	33	0	416	0	0	0	0	0
	APPROACH %	98%	0%	2%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	369	/	0	0	/	0	14	/	22	33	/	394	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	251	0	5	0	0	0	0	10	0	0	21	0	287					
	APPROACH %	98%	0%	2%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.640			0.000			0.417			0.656		0.658					
	APP/DEPART	256	/	0	0	/	0	10	/	15	21	/	272	0					
PM	4:00 PM	23		1				0	6		0	8		38					0
	4:15 PM	31		2				0	0		0	2		35					0
	4:30 PM	28		2				0	2		0	5		37			1		1
	4:45 PM	29		2				0	2		0	3		36					0
	5:00 PM	30		2				0	4		0	3		39					0
	5:15 PM	28		1				0	7		0	3		39			2		2
	5:30 PM	32		3				0	1		0	4		40			1		1
	5:45 PM	37		1				0	1		0	5		44					0
	VOLUMES	238	0	14	0	0	0	0	23	0	0	33	0	308	0	0	4	0	4
	APPROACH %	94%	0%	6%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	APP/DEPART	252	/	0	0	/	0	23	/	37	33	/	271	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	127	0	7	0	0	0	0	13	0	0	15	0	162					
	APPROACH %	95%	0%	5%	0%	0%	0%	0%	100%	0%	0%	100%	0%						
	PEAK HR FACTOR		0.882			0.000			0.464			0.750		0.920					
	APP/DEPART	134	/	0	0	/	0	13	/	20	15	/	142	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		1			1					0					0
	7:15 AM					0					0					0
	7:30 AM		1			1					0					0
	7:45 AM					0					0					0
	8:00 AM	1			1	2					0					0
	8:15 AM				1	1					0					0
	8:30 AM					0					0	1				1
	8:45 AM	2				2					0					0
	TOTAL	3	2	0	2	7	0	0	0	0	0	1	0	0	0	1
PM	4:00 PM		1		1	2					0					0
	4:15 PM	1			1	2					0					0
	4:30 PM				3	3					0					0
	4:45 PM					0					0					0
	5:00 PM	6	1		5	12					0					0
	5:15 PM					0					0					0
	5:30 PM					0					0					0
	5:45 PM				1	1					0					0
	TOTAL	7	2	0	11	20	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

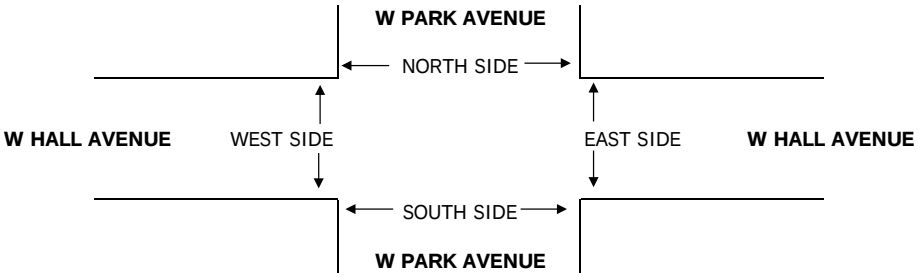
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	W PARK AVENUE	LOCATION #:	24
TUESDAY	EAST & WEST:	W HALL AVENUE	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND W PARK AVENUE			SOUTHBOUND W PARK AVENUE			EASTBOUND W HALL AVENUE			WESTBOUND W HALL AVENUE				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				6	9	2	0	8	3	3	2	0	33					0
	7:15 AM				12	13	1	0	13	2	2	0	0	43					0
	7:30 AM				15	14	1	0	12	2	2	2	0	48					0
	7:45 AM				25	32	5	0	8	3	0	3	0	76					0
	8:00 AM				24	26	3	0	17	1	5	7	0	83					0
	8:15 AM				18	21	5	0	10	2	1	6	0	63					0
	8:30 AM				16	21	2	0	12	5	0	5	0	61					0
	8:45 AM				13	7	3	0	10	5	3	5	0	46					0
	VOLUMES	0	0	0	129	143	22	0	90	23	16	30	0	453	0	0	0	0	0
	APPROACH %	0%	0%	0%	44%	49%	7%	0%	80%	20%	35%	65%	0%						
	APP/DEPART	0	/	0	294	/	182	113	/	219	46	/	52	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	0	0	0	83	100	15	0	47	11	6	21	0	283					
	APPROACH %	0%	0%	0%	42%	51%	8%	0%	81%	19%	22%	78%	0%						
	PEAK HR FACTOR		0.000			0.798			0.806			0.563		0.852					
	APP/DEPART	0	/	0	198	/	117	58	/	130	27	/	36	0					
PM	4:00 PM				24	15	4	0	11	6	3	6	0	69				1	1
	4:15 PM				20	14	7	0	6	4	0	5	0	56					0
	4:30 PM				19	18	3	0	9	1	2	8	0	60					0
	4:45 PM				18	12	3	0	9	4	3	7	0	56					0
	5:00 PM				22	16	6	0	12	3	2	11	0	72					0
	5:15 PM				16	15	6	0	13	2	3	2	0	57					0
	5:30 PM				24	13	4	0	13	2	6	6	0	68					0
	5:45 PM				20	24	10	0	5	1	2	7	0	69					0
	VOLUMES	0	0	0	163	127	43	0	78	23	21	52	0	507	0	0	0	1	1
	APPROACH %	0%	0%	0%	49%	38%	13%	0%	77%	23%	29%	71%	0%						
	APP/DEPART	0	/	0	333	/	171	101	/	241	73	/	95	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	82	68	26	0	43	8	13	26	0	266					
	APPROACH %	0%	0%	0%	47%	39%	15%	0%	84%	16%	33%	67%	0%						
	PEAK HR FACTOR		0.000			0.815			0.850			0.750		0.924					
	APP/DEPART	0	/	0	176	/	89	51	/	125	39	/	52	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	3		2	3	8					0					0
	7:15 AM	2			9	11					0	1			1	2
	7:30 AM			1	7	8					0					0
	7:45 AM				4	4					0					0
	8:00 AM				7	7					0					0
	8:15 AM	2			20	22					0					0
	8:30 AM	1			1	2					0					0
	8:45 AM			1	4	5					0					0
	TOTAL	8	0	4	55	67	0	0	0	0	0	1	0	0	1	2
PM	4:00 PM	1		2	4	7					0	1		2	4	7
	4:15 PM					0					0	1			1	2
	4:30 PM			2	20	22					0					0
	4:45 PM	3		1	2	6					0	1				1
	5:00 PM			2	3	5					0			1		1
	5:15 PM	2			8	10					0					0
	5:30 PM	1		5	4	10					0					0
	5:45 PM		1	5	2	8					0				2	2
	TOTAL	7	1	17	43	68	0	0	0	0	0	3	0	3	7	13

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	E PARK AVENUE	LOCATION #:	25
TUESDAY	EAST & WEST:	E HALL AVENUE	CONTROL:	STOP

NOTES:

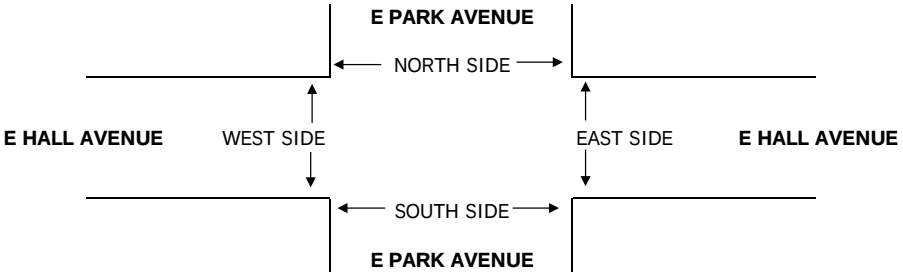
INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, ▼ S

		NORTHBOUND E PARK AVENUE			SOUTHBOUND E PARK AVENUE			EASTBOUND E HALL AVENUE			WESTBOUND E HALL AVENUE			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	2	16	1				4	11			3	6	43
	7:15 AM	1	23	1				5	20			1	9	60
	7:30 AM	2	44	1				8	17			2	18	92
	7:45 AM	1	68	4				11	24			2	17	127
	8:00 AM	5	21	3				14	26			7	16	92
	8:15 AM	3	24	3				3	25			3	13	74
	8:30 AM	2	20	5				3	26			6	11	73
	8:45 AM	2	16	5				8	15			5	3	54
	VOLUMES	18	232	23	0	0	0	56	164	0	0	29	93	615
	APPROACH %	7%	85%	8%	0%	0%	0%	25%	75%	0%	0%	24%	76%	
	APP/DEPART	273	/	381	0	/	0	220	/	187	122	/	47	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	11	157	11	0	0	0	36	92	0	0	14	64	385
	APPROACH %	6%	88%	6%	0%	0%	0%	28%	72%	0%	0%	18%	82%	
	PEAK HR FACTOR		0.613			0.000			0.800			0.848		0.758
	APP/DEPART	179	/	257	0	/	0	128	/	103	78	/	25	0
PM	4:00 PM	4	13	3				6	31			5	7	69
	4:15 PM	2	19	4				7	19			3	4	58
	4:30 PM	2	15	6				5	22			8	12	70
	4:45 PM	5	19	2				7	22			6	4	65
	5:00 PM	3	17	3				4	31			9	9	76
	5:15 PM	3	14	6				5	21			2	14	65
	5:30 PM	4	22	1				6	29			6	14	82
	5:45 PM	4	21	4				5	19			5	6	64
	VOLUMES	27	140	29	0	0	0	45	194	0	0	44	70	549
	APPROACH %	14%	71%	15%	0%	0%	0%	19%	81%	0%	0%	39%	61%	
	APP/DEPART	196	/	255	0	/	0	239	/	223	114	/	71	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	15	72	12	0	0	0	22	103	0	0	23	41	288
	APPROACH %	15%	73%	12%	0%	0%	0%	18%	82%	0%	0%	36%	64%	
	PEAK HR FACTOR		0.917			0.000			0.893			0.800		0.878
	APP/DEPART	99	/	135	0	/	0	125	/	115	64	/	38	0

U-TURNS

	NB	SB	EB	WB	TTL
	X	X	X	X	
7:00 AM					0
7:15 AM					0
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM					0
VOLUMES	0	0	0	0	0
4:00 PM					0
4:15 PM					0
4:30 PM					0
4:45 PM					0
5:00 PM					0
5:15 PM					0
5:30 PM					0
5:45 PM					0
VOLUMES	0	0	0	0	0



PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM	1	1			2
7:15 AM	6		4	2	12
7:30 AM	2				2
7:45 AM	3				3
8:00 AM	1			1	2
8:15 AM	7		2	4	13
8:30 AM	6			1	7
8:45 AM	2			2	4
TOTAL	28	1	6	10	45
4:00 PM	1		1	3	5
4:15 PM	1			1	2
4:30 PM	10	4	1		15
4:45 PM	4	2	4	2	12
5:00 PM	3		1	5	9
5:15 PM	2			2	4
5:30 PM	1		4		5
5:45 PM	5		1	3	9
TOTAL	27	6	12	16	61

PEDESTRIAN ACTIVATIONS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
					0
					0
					0
					0
					0
					0
					0
					0
TOTAL	0	0	0	0	0
					0
					0
					0
					0
					0
					0
					0
					0
TOTAL	0	0	0	0	0

BICYCLE CROSSINGS

	NS	SS	ES	WS	TOTAL
7:00 AM	1				1
7:15 AM	1				1
7:30 AM					0
7:45 AM					0
8:00 AM					0
8:15 AM					0
8:30 AM					0
8:45 AM					0
TOTAL	2	0	0	0	2
4:00 PM					0
4:15 PM	1				1
4:30 PM	1	1			2
4:45 PM	1	1	1	1	4
5:00 PM					0
5:15 PM					0
5:30 PM		2	1		3
5:45 PM					0
TOTAL	3	4	2	1	10

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	CENTER STREET	LOCATION #:	26
	EAST & WEST:	E BEYER BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

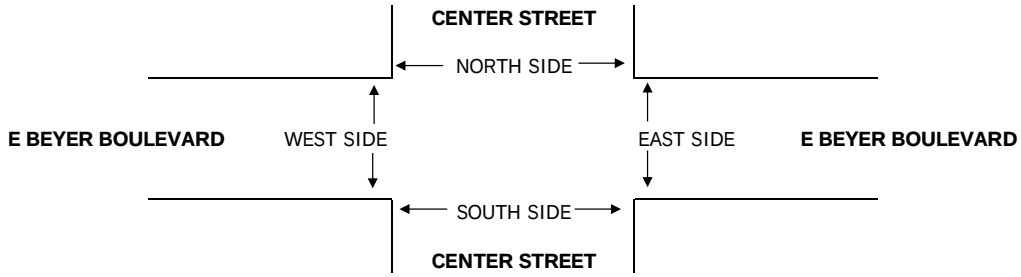
AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND CENTER STREET			SOUTHBOUND CENTER STREET			EASTBOUND E BEYER BOULEVARD			WESTBOUND E BEYER BOULEVARD			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
AM	7:00 AM	22	0	3	0	0	0	0	9	39	4	7	0	84
	7:15 AM	44	0	0	0	2	2	0	17	44	6	6	0	121
	7:30 AM	63	2	4	0	5	1	1	11	64	4	14	0	169
	7:45 AM	54	1	2	0	1	0	0	27	88	6	12	0	191
	8:00 AM	50	1	5	0	4	3	0	14	43	3	9	0	132
	8:15 AM	20	1	6	0	1	3	2	20	33	5	7	0	98
	8:30 AM	19	1	5	0	3	1	0	15	37	9	6	0	96
	8:45 AM	22	2	8	0	2	0	1	11	34	5	4	0	89
	VOLUMES	294	8	33	0	18	10	4	124	382	42	65	0	980
	APPROACH %	88%	2%	10%	0%	64%	36%	1%	24%	75%	39%	61%	0%	
	APP/DEPART	335	/	12	28	/	442	510	/	157	107	/	369	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	211	4	11	0	12	6	1	69	239	19	41	0	613
	APPROACH %	93%	2%	5%	0%	67%	33%	0%	22%	77%	32%	68%	0%	
	PEAK HR FACTOR		0.819			0.643			0.672			0.833		0.802
	APP/DEPART	226	/	5	18	/	270	309	/	80	60	/	258	0
PM	4:00 PM	19	0	13	0	1	0	1	27	38	14	9	0	122
	4:15 PM	28	2	9	0	1	2	1	29	19	9	15	2	117
	4:30 PM	23	2	8	0	1	0	0	31	38	10	9	0	122
	4:45 PM	31	1	13	0	1	0	0	37	18	6	12	1	120
	5:00 PM	31	5	15	0	1	1	1	39	43	6	9	0	151
	5:15 PM	42	2	10	2	3	1	1	37	18	1	16	0	133
	5:30 PM	39	2	14	0	2	2	5	27	22	10	10	0	133
	5:45 PM	42	1	6	4	2	2	1	34	28	13	3	1	137
	VOLUMES	255	15	88	6	12	8	10	261	224	69	83	4	1,035
	APPROACH %	71%	4%	25%	23%	46%	31%	2%	53%	45%	44%	53%	3%	
	APP/DEPART	358	/	29	26	/	305	495	/	355	156	/	346	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	154	10	45	6	8	6	8	137	111	30	38	1	554
	APPROACH %	74%	5%	22%	30%	40%	30%	3%	54%	43%	43%	55%	1%	
	PEAK HR FACTOR		0.950			0.625			0.771			0.863		0.917
	APP/DEPART	209	/	19	20	/	149	256	/	188	69	/	198	0

U-TURNS

	NB	SB	EB	WB	TTL
	X	X	X	X	
AM					0
					0
					0
					0
					0
					0
					0
					0
AM TOTAL	0	0	0	0	0
PM					0
					0
					0
					0
					0
					0
					0
					0
PM TOTAL	0	0	0	0	0



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		2			2					0					0
	7:15 AM	5	4			9					0					0
	7:30 AM		6	1	1	8					0					0
	7:45 AM		2	1		3					0					0
	8:00 AM		1	2		3					0					0
	8:15 AM		2			2					0					0
	8:30 AM		2			2					0					0
	8:45 AM		1	1		2					0					0
	TOTAL	5	20	5	1	31	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM		4			4					0					0
	4:15 PM		1	5		6					0					0
	4:30 PM		2			2					0					0
	4:45 PM		1			1					0		1			1
	5:00 PM					0					0		1			1
	5:15 PM	1		1		2					0					0
	5:30 PM		1			1					0					0
	5:45 PM	2		2		4					0					0
	TOTAL	3	9	8	0	20	0	0	0	0	0	0	2	0	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

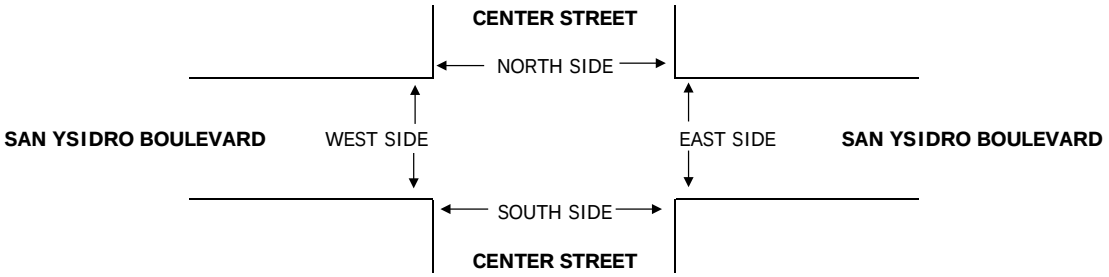
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	CENTER STREET	LOCATION #:	27
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND CENTER STREET			SOUTHBOUND CENTER STREET			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM				0	1	44	23	84			62	2	216					0
	7:15 AM				0	0	51	36	101			90	8	286					0
	7:30 AM				1	0	67	57	93			77	7	302					0
	7:45 AM				0	0	90	55	96			77	11	329					0
	8:00 AM				0	0	58	44	141			95	7	345					0
	8:15 AM				1	0	44	26	132			92	3	298					0
	8:30 AM				2	0	48	25	155			112	5	347					0
	8:45 AM				1	0	35	28	163			131	7	365					0
	VOLUMES	0	0	0	5	1	437	294	965	0	0	736	50	2,488	0	0	0	0	0
	APPROACH %	0%	0%	0%	1%	0%	99%	23%	77%	0%	0%	94%	6%						
	APP/DEPART	0	/	344	443	/	1	1,259	/	970	786	/	1,173	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	0	0	0	4	0	185	123	591	0	0	430	22	1,355					
	APPROACH %	0%	0%	0%	2%	0%	98%	17%	83%	0%	0%	95%	5%						
	PEAK HR FACTOR		0.000			0.815			0.935			0.819		0.928					
	APP/DEPART	0	/	145	189	/	0	714	/	595	452	/	615	0					
PM	4:00 PM				1	0	49	31	258			216	4	559					0
	4:15 PM				0	0	32	32	274			222	6	566					0
	4:30 PM				2	0	46	34	249			202	1	534					0
	4:45 PM				2	0	27	43	240			195	6	513					0
	5:00 PM				1	0	47	44	241			201	9	543					0
	5:15 PM				0	0	31	48	253			182	8	522					0
	5:30 PM				1	0	34	43	261			203	13	555					0
	5:45 PM				0	0	45	40	263			196	6	550					0
	VOLUMES	0	0	0	7	0	311	315	2,039	0	0	1,617	53	4,342	0	0	0	0	0
	APPROACH %	0%	0%	0%	2%	0%	98%	13%	87%	0%	0%	97%	3%						
	APP/DEPART	0	/	368	318	/	0	2,354	/	2,046	1,670	/	1,928	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	0	0	0	5	0	154	140	1,021	0	0	835	17	2,172					
	APPROACH %	0%	0%	0%	3%	0%	97%	12%	88%	0%	0%	98%	2%						
	PEAK HR FACTOR		0.000			0.795			0.949			0.934		0.959					
	APP/DEPART	0	/	157	159	/	0	1,161	/	1,026	852	/	989	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1				1					0	1				1
	7:15 AM	3				3					0					0
	7:30 AM	5				5					0					0
	7:45 AM	3				3					0	1				1
	8:00 AM					0					0					0
	8:15 AM					0					0					0
	8:30 AM	6				6					0					0
	8:45 AM	3				3					0	1				1
	TOTAL	21	0	0	0	21	0	0	0	0	0	3	0	0	0	3
PM	4:00 PM	7				7					0	1				1
	4:15 PM	5				5					0					0
	4:30 PM	4				4					0					0
	4:45 PM	5				5					0	1				1
	5:00 PM	2				2					0					0
	5:15 PM	1				1					0					0
	5:30 PM	10				10					0	1				1
	5:45 PM	4				4					0					0
	TOTAL	38	0	0	0	38	0	0	0	0	0	3	0	0	0	3

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

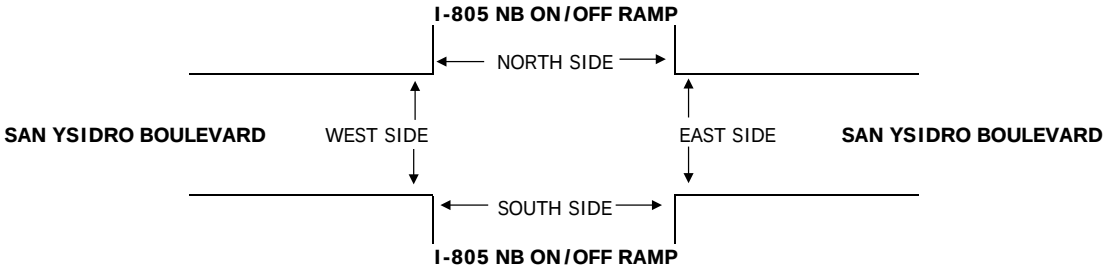
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	I-805 NB ON/OFF RAMP	LOCATION #:	28
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-805 NB ON/OFF RAMP			SOUTHBOUND I-805 NB ON/OFF RAMP			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	12		31				53	77			31	72	276					0
	7:15 AM	12		35				88	102			53	88	378					0
	7:30 AM	18		24				113	123			63	81	422					0
	7:45 AM	17	1	40				81	113			74	98	424					0
	8:00 AM	13		38				81	147			62	95	436					0
	8:15 AM	24		33				84	126			61	70	398					0
	8:30 AM	15	1	41				96	142			69	89	453					0
	8:45 AM	47		38				64	148			79	92	468					0
	VOLUMES	158	2	280	0	0	0	660	978	0	0	492	685	3,255	0	0	0	0	0
	APPROACH %	36%	0%	64%	0%	0%	0%	40%	60%	0%	0%	42%	58%						
	APP/DEPART	440	/	1,347	0	/	0	1,638	/	1,258	1,177	/	650	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	99	1	150	0	0	0	325	563	0	0	271	346	1,755					
	APPROACH %	40%	0%	60%	0%	0%	0%	37%	63%	0%	0%	44%	56%						
	PEAK HR FACTOR		0.735			0.000			0.933			0.902		0.938					
	APP/DEPART	250	/	672	0	/	0	888	/	713	617	/	370	0					
PM	4:00 PM	19		31				84	258			128	139	659					0
	4:15 PM	13	1	38				99	262			127	126	666					0
	4:30 PM	25		36				82	248			120	121	632					0
	4:45 PM	17	2	34				68	250			111	113	595					0
	5:00 PM	18		34				69	251			118	131	621					0
	5:15 PM	21		41				53	259			114	100	588					0
	5:30 PM	17		36				63	268			124	110	618					0
	5:45 PM	20	2	41				67	263			128	113	634					0
	VOLUMES	150	5	291	0	0	0	585	2,059	0	0	970	953	5,013	0	0	0	0	0
	APPROACH %	34%	1%	65%	0%	0%	0%	22%	78%	0%	0%	50%	50%						
	APP/DEPART	446	/	1,543	0	/	0	2,644	/	2,350	1,923	/	1,120	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	74	3	139	0	0	0	333	1,018	0	0	486	499	2,552					
	APPROACH %	34%	1%	64%	0%	0%	0%	25%	75%	0%	0%	49%	51%						
	PEAK HR FACTOR		0.885			0.000			0.936			0.922		0.958					
	APP/DEPART	216	/	835	0	/	0	1,351	/	1,157	985	/	560	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1				1					0			1		1
	7:15 AM	2				2					0					0
	7:30 AM	3	2			5					0					0
	7:45 AM	4	5			9					0					0
	8:00 AM		8			8					0					0
	8:15 AM	1	9			10					0					0
	8:30 AM	6	4			10					0	1				1
	8:45 AM	2	1			3					0	2				2
	TOTAL	19	29	0	0	48	0	0	0	0	0	3	0	1	0	4
PM	4:00 PM	12	5			17					0	1	2			3
	4:15 PM	7	3			10					0		1			1
	4:30 PM	3	13			16					0					0
	4:45 PM	4	4			8					0	1	1			2
	5:00 PM	3	5			8					0					0
	5:15 PM	1	5			6					0					0
	5:30 PM	13	8			21					0	1				1
	5:45 PM	2	9			11					0					0
	TOTAL	45	52	0	0	97	0	0	0	0	0	3	4	0	0	7

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

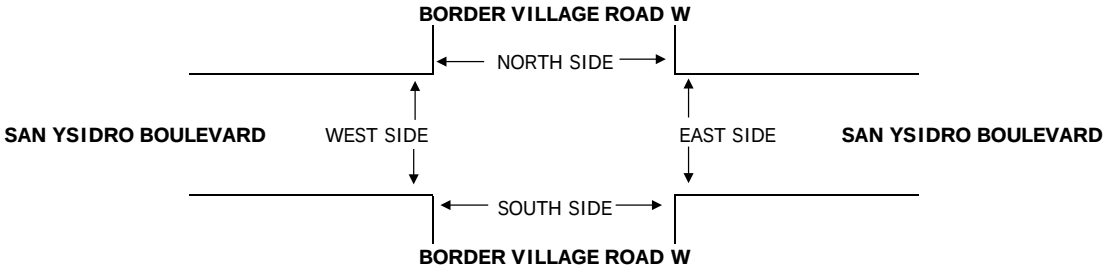
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	BORDER VILLAGE ROAD W	LOCATION #:	29
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND BORDER VILLAGE ROAD W			SOUTHBOUND BORDER VILLAGE ROAD W			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	37		0					42	44		36		159					0
	7:15 AM	47		0					45	47		41		180					0
	7:30 AM	45		1					67	38		43		194					0
	7:45 AM	42		0					64	40		44		190					0
	8:00 AM	58		2					68	65		42		235					0
	8:15 AM	40		0					62	66		63		231					0
	8:30 AM	47		1					80	78		61		267					0
	8:45 AM	57		0					83	81		75		296					0
	VOLUMES	373	0	4	0	0	0	0	511	459	0	405	0	1,752	0	0	0	0	0
	APPROACH %	99%	0%	1%	0%	0%	0%	0%	53%	47%	0%	100%	0%						
	APP/DEPART	377	/	0	0	/	459	970	/	515	405	/	778	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	202	0	3	0	0	0	0	293	290	0	241	0	1,029					
	APPROACH %	99%	0%	1%	0%	0%	0%	0%	50%	50%	0%	100%	0%						
	PEAK HR FACTOR		0.854			0.000			0.889			0.803		0.869					
	APP/DEPART	205	/	0	0	/	290	583	/	296	241	/	443	0					
PM	4:00 PM	67		3					171	98		166		505					0
	4:15 PM	75		1					164	107		148		495					0
	4:30 PM	68		1					180	73		141		463					0
	4:45 PM	67		3					169	81		127		447					0
	5:00 PM	66		2					181	74		146		469					0
	5:15 PM	56		0					172	77		151		456					0
	5:30 PM	65		2					165	83		134		449					0
	5:45 PM	63		0					164	93		126		446					0
	VOLUMES	527	0	12	0	0	0	0	1,366	686	0	1,139	0	3,730	0	0	0	0	0
	APPROACH %	98%	0%	2%	0%	0%	0%	0%	67%	33%	0%	100%	0%						
	APP/DEPART	539	/	0	0	/	686	2,052	/	1,378	1,139	/	1,666	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	277	0	8	0	0	0	0	684	359	0	582	0	1,910					
	APPROACH %	97%	0%	3%	0%	0%	0%	0%	66%	34%	0%	100%	0%						
	PEAK HR FACTOR		0.938			0.000			0.962			0.877		0.946					
	APP/DEPART	285	/	0	0	/	359	1,043	/	692	582	/	859	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		3	1		4					0					0
	7:15 AM		4	2	1	7					0					0
	7:30 AM			2		2					0					0
	7:45 AM		5	1		6					0					0
	8:00 AM		4			4					0					0
	8:15 AM			6		6					0					0
	8:30 AM		1			1					0					0
	8:45 AM		4	2		6					0					0
	TOTAL	0	21	14	1	36	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM		9	4	2	15					0		1	1		2
	4:15 PM		3	7	1	11					0		3			3
	4:30 PM		13	9	2	24					0					0
	4:45 PM		6	10	4	20					0		1			1
	5:00 PM		8	6		14					0					0
	5:15 PM		12	4	1	17					0					0
	5:30 PM		1	6		7					0					0
	5:45 PM		1	4		5					0					0
	TOTAL	0	53	50	10	113	0	0	0	0	0	0	5	1	0	6

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

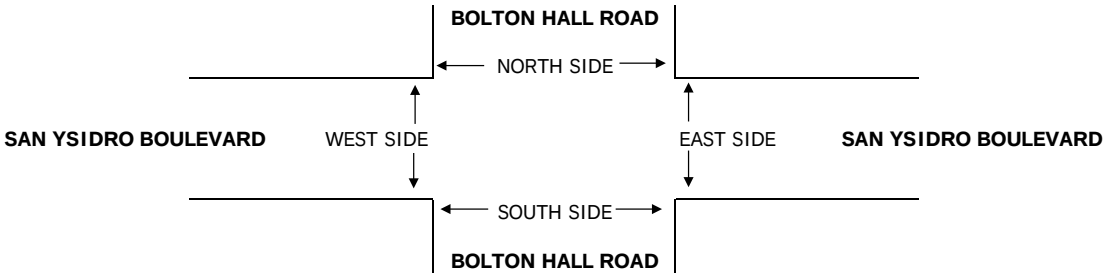
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	BOLTON HALL ROAD	LOCATION #:	30
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND BOLTON HALL ROAD			SOUTHBOUND BOLTON HALL ROAD			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	3	0	1	1	0	1	1	36	3	1	32	0	79					0
	7:15 AM	1	0	7	3	0	4	0	47	0	5	37	1	105					0
	7:30 AM	0	0	5	1	0	1	0	62	3	5	39	0	116					0
	7:45 AM	2	0	5	2	2	3	0	62	2	4	40	1	123					0
	8:00 AM	4	0	7	4	0	4	1	66	1	6	39	0	132					0
	8:15 AM	7	0	8	3	0	3	1	64	1	6	59	2	154					0
	8:30 AM	9	0	11	2	1	3	2	73	1	4	43	0	149					0
	8:45 AM	8	0	10	2	0	1	2	82	1	8	64	1	179					0
	VOLUMES	34	0	54	18	3	20	7	492	12	39	353	5	1,037	0	0	0	0	0
	APPROACH %	39%	0%	61%	44%	7%	49%	1%	96%	2%	10%	89%	1%						
	APP/DEPART	88	/	12	41	/	54	511	/	564	397	/	407	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	28	0	36	11	1	11	6	285	4	24	205	3	614					
	APPROACH %	44%	0%	56%	48%	4%	48%	2%	97%	1%	10%	88%	1%						
	PEAK HR FACTOR		0.800			0.719			0.868			0.795		0.858					
	APP/DEPART	64	/	9	23	/	29	295	/	332	232	/	244	0					
PM	4:00 PM	1	2	16	3	1	8	4	171	0	1	158	1	366					0
	4:15 PM	2	1	21	8	1	7	3	164	3	9	137	1	357					0
	4:30 PM	5	0	14	2	0	5	1	173	2	4	132	2	340					0
	4:45 PM	2	1	22	3	1	6	2	166	4	3	120	2	332					0
	5:00 PM	6	3	10	4	3	8	6	176	0	4	139	5	364					0
	5:15 PM	5	0	12	3	0	5	2	167	3	2	135	2	336					0
	5:30 PM	2	1	12	3	1	4	2	162	0	6	126	0	319					0
	5:45 PM	6	1	13	6	1	7	4	161	3	8	114	1	325					0
	VOLUMES	29	9	120	32	8	50	24	1,340	15	37	1,061	14	2,739	0	0	0	0	0
	APPROACH %	18%	6%	76%	36%	9%	56%	2%	97%	1%	3%	95%	1%						
	APP/DEPART	158	/	47	90	/	60	1,379	/	1,492	1,112	/	1,140	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	10	4	73	16	3	26	10	674	9	17	547	6	1,395					
	APPROACH %	11%	5%	84%	36%	7%	58%	1%	97%	1%	3%	96%	1%						
	PEAK HR FACTOR		0.870			0.703			0.984			0.891		0.953					
	APP/DEPART	87	/	20	45	/	29	693	/	763	570	/	583	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	6			7					0					0
	7:15 AM	4	5			9					0					0
	7:30 AM	1	3			4					0					0
	7:45 AM	6	4			10					0					0
	8:00 AM	4	3			7					0	1				1
	8:15 AM	3	1	2		6					0					0
	8:30 AM	1	3			4					0	1	1			2
	8:45 AM	3	5	1		9					0		1			1
	TOTAL	23	30	3	0	56	0	0	0	0	0	2	2	0	0	4
PM	4:00 PM	3	9	1		13					0	1				1
	4:15 PM	3	5			8					0	1	1			2
	4:30 PM	7	16			23					0	1	3			4
	4:45 PM	12	12	1		25					0	1	1			2
	5:00 PM	4	9	1		14					0					0
	5:15 PM	4	13	1		18					0	2	1			3
	5:30 PM	5	5			10					0	1				1
	5:45 PM	6	2	4		12					0	1	1			2
	TOTAL	44	71	8	0	123	0	0	0	0	0	8	7	0	0	15

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

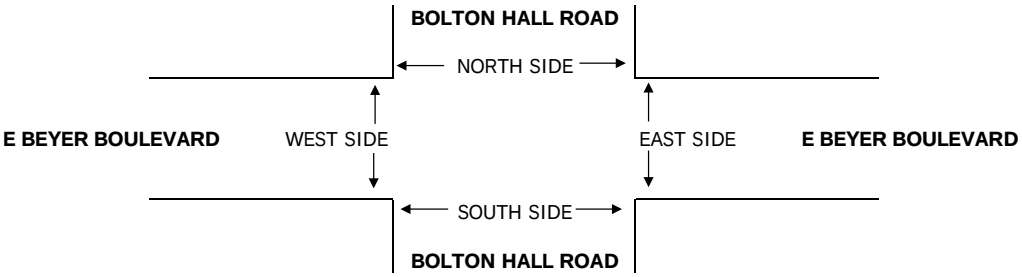
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	BOLTON HALL ROAD	LOCATION #:	31
TUESDAY	EAST & WEST:	E BEYER BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND BOLTON HALL ROAD			SOUTHBOUND BOLTON HALL ROAD			EASTBOUND E BEYER BOULEVARD			WESTBOUND E BEYER BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	1		1					10	1	1	9		23					0
	7:15 AM	0		0					15	3	3	11		32					0
	7:30 AM	0		0					10	2	0	20		32					0
	7:45 AM	0		1					26	7	0	14		48					0
	8:00 AM	2		0					9	8	1	10		30					0
	8:15 AM	0		1					15	10	0	11		37					0
	8:30 AM	3		0					12	8	1	9		33					0
	8:45 AM	1		1					15	3	1	6		27					0
	VOLUMES	7	0	4	0	0	0	0	112	42	7	90	0	262	0	0	0	0	0
	APPROACH %	64%	0%	36%	0%	0%	0%	0%	73%	27%	7%	93%	0%						
	APP/DEPART	11	/	0	0	/	49	154	/	116	97	/	97	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	5	0	2	0	0	0	0	62	33	2	44	0	148					
	APPROACH %	71%	0%	29%	0%	0%	0%	0%	65%	35%	4%	96%	0%						
	PEAK HR FACTOR		0.583			0.000			0.720			0.821		0.771					
	APP/DEPART	7	/	0	0	/	35	95	/	64	46	/	49	0					
PM	4:00 PM	4		3					30	10	4	19		70					0
	4:15 PM	4		3					25	12	3	21		68					0
	4:30 PM	1		2					31	6	1	16		57					0
	4:45 PM	5		1					42	10	2	18		78					0
	5:00 PM	8		5					39	15	3	9		79					0
	5:15 PM	3		2					40	8	2	19		74					0
	5:30 PM	2		1					32	8	1	17		61					0
	5:45 PM	3		4					33	12	5	12		69					0
	VOLUMES	30	0	21	0	0	0	0	272	81	21	131	0	556	0	0	0	0	0
	APPROACH %	59%	0%	41%	0%	0%	0%	0%	77%	23%	14%	86%	0%						
	APP/DEPART	51	/	0	0	/	102	353	/	293	152	/	161	0					
	BEGIN PEAK HR		4:45 PM																
	VOLUMES	18	0	9	0	0	0	0	153	41	8	63	0	292					
	APPROACH %	67%	0%	33%	0%	0%	0%	0%	79%	21%	11%	89%	0%						
	PEAK HR FACTOR		0.519			0.000			0.898			0.845		0.924					
	APP/DEPART	27	/	0	0	/	49	194	/	162	71	/	81	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM			2		2					0					0
	7:15 AM		3			3					0					0
	7:30 AM		2			2					0					0
	7:45 AM		1			1					0					0
	8:00 AM		1			1					0					0
	8:15 AM					0					0					0
	8:30 AM		4			4					0					0
	8:45 AM		1			1					0					0
	TOTAL	0	12	2	0	14	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM			1		1					0		1			1
	4:15 PM		3	2		5					0		1			1
	4:30 PM		1			1					0					0
	4:45 PM		2	3		5					0					0
	5:00 PM		1			1					0					0
	5:15 PM		1			1					0					0
	5:30 PM		2			2					0					0
	5:45 PM		1	2		3					0		1			1
	TOTAL	0	11	8	0	19	0	0	0	0	0	0	3	0	0	3

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

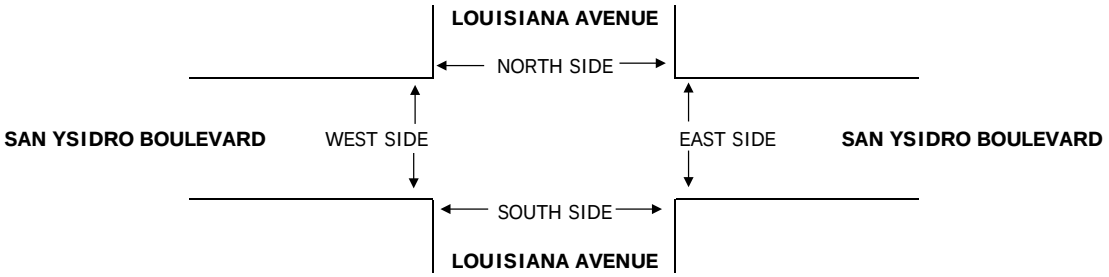
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01	
TUESDAY	NORTH & SOUTH:	LOUISIANA AVENUE	LOCATION #:	32	
	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	STOP	

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND LOUISIANA AVENUE			SOUTHBOUND LOUISIANA AVENUE			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	3		1					32	5	0	28		69					0
	7:15 AM	2		0					45	8	0	39		94					0
	7:30 AM	3		0					60	7	3	42		115					0
	7:45 AM	7		4					60	9	2	38		120					0
	8:00 AM	2		6					61	13	3	41		126					0
	8:15 AM	2		2					59	12	4	60		139					0
	8:30 AM	3		1					68	13	2	42		129					0
	8:45 AM	6		2					74	22	3	66		173					0
	VOLUMES	28	0	16	0	0	0	0	459	89	17	356	0	965	0	0	0	0	0
	APPROACH %	64%	0%	36%	0%	0%	0%	0%	84%	16%	5%	95%	0%						
	APP/DEPART	44	/	0	0	/	106	548	/	475	373	/	384	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	13	0	11	0	0	0	0	262	60	12	209	0	567					
	APPROACH %	54%	0%	46%	0%	0%	0%	0%	81%	19%	5%	95%	0%						
	PEAK HR FACTOR		0.750			0.000			0.839			0.801		0.819					
	APP/DEPART	24	/	0	0	/	72	322	/	273	221	/	222	0					
PM	4:00 PM	9		3					175	19	10	155		371					0
	4:15 PM	5		4					177	19	6	138		349					0
	4:30 PM	4		3					177	11	2	129		326					0
	4:45 PM	16		7					174	20	3	107		327					0
	5:00 PM	6		3					170	18	9	151		357					0
	5:15 PM	10		6					165	13	5	122		321					0
	5:30 PM	12		6					156	10	8	110		302					0
	5:45 PM	7		1					156	24	5	110		303					0
	VOLUMES	69	0	33	0	0	0	0	1,350	134	48	1,022	0	2,656	0	0	0	0	0
	APPROACH %	68%	0%	32%	0%	0%	0%	0%	91%	9%	4%	96%	0%						
	APP/DEPART	102	/	0	0	/	182	1,484	/	1,383	1,070	/	1,091	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	34	0	17	0	0	0	0	703	69	21	529	0	1,373					
	APPROACH %	67%	0%	33%	0%	0%	0%	0%	91%	9%	4%	96%	0%						
	PEAK HR FACTOR		0.554			0.000			0.985			0.833		0.925					
	APP/DEPART	51	/	0	0	/	90	772	/	720	550	/	563	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		5	2		7					0					0
	7:15 AM		4			4					0					0
	7:30 AM		3	1		4					0					0
	7:45 AM		4			4					0					0
	8:00 AM		4	1		5					0					0
	8:15 AM			1		1					0					0
	8:30 AM		4	2		6					0					0
	8:45 AM		5			5					0			1		1
	TOTAL	0	29	7	0	36	0	0	0	0	0	0	0	1	0	1
PM	4:00 PM		7			7					0					0
	4:15 PM		4	2		6					0					0
	4:30 PM		16	1		17					0		2	1		3
	4:45 PM		12			12					0		1			1
	5:00 PM		3	1		4					0					0
	5:15 PM		9			9					0					0
	5:30 PM		11			11					0					0
	5:45 PM		9			9					0		1			1
	TOTAL	0	71	4	0	75	0	0	0	0	0	0	4	1	0	5

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

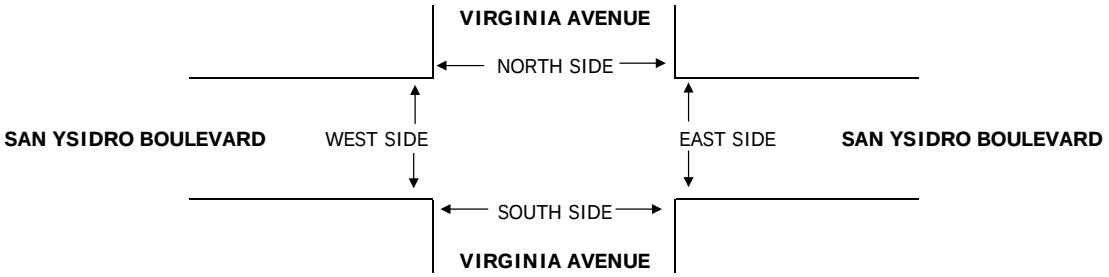
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
TUESDAY	NORTH & SOUTH:	VIRGINIA AVENUE	LOCATION #:	33
	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	STOP

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND VIRGINIA AVENUE			SOUTHBOUND VIRGINIA AVENUE			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	1	0	0	0	0	1	0	31	0	0	29	0	62					0
	7:15 AM	1	0	2	0	0	1	1	44	1	0	35	0	85					0
	7:30 AM	0	0	3	0	0	0	0	61	1	2	47	0	114					0
	7:45 AM	2	0	1	1	0	2	0	60	7	10	32	0	115				1	1
	8:00 AM	2	0	2	0	0	0	0	63	7	2	44	0	120					0
	8:15 AM	5	0	3	0	0	0	0	65	3	1	52	0	129					0
	8:30 AM	3	0	5	0	0	2	0	68	6	2	33	0	119					0
	8:45 AM	3	0	3	0	0	0	0	79	2	4	52	0	143					0
	VOLUMES	17	0	19	1	0	6	1	471	27	21	324	0	887	0	0	0	1	1
	APPROACH %	47%	0%	53%	14%	0%	86%	0%	94%	5%	6%	94%	0%						
	APP/DEPART	36	/	1	7	/	48	499	/	491	345	/	347	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	13	0	13	0	0	2	0	275	18	9	181	0	511					
	APPROACH %	50%	0%	50%	0%	0%	100%	0%	94%	6%	5%	95%	0%						
	PEAK HR FACTOR		0.813			0.250			0.904			0.848		0.893					
	APP/DEPART	26	/	0	2	/	27	293	/	288	190	/	196	0					
PM	4:00 PM	12	0	7	3	1	7	3	177	6	6	149	0	371					0
	4:15 PM	5	0	4	5	0	10	1	177	8	4	123	0	337					0
	4:30 PM	8	0	7	3	0	5	2	165	10	4	121	1	326					0
	4:45 PM	3	0	3	4	0	4	1	172	9	7	106	0	309					0
	5:00 PM	8	0	9	1	0	14	2	171	9	2	144	0	360					0
	5:15 PM	1	0	7	3	0	10	2	173	8	3	113	0	320				1	1
	5:30 PM	4	0	3	0	1	9	2	155	10	3	102	1	290					0
	5:45 PM	7	0	2	3	0	6	1	161	6	5	98	0	289				1	1
	VOLUMES	48	0	42	22	2	65	14	1,351	66	34	956	2	2,602	0	0	0	2	2
	APPROACH %	53%	0%	47%	25%	2%	73%	1%	94%	5%	3%	96%	0%						
	APP/DEPART	90	/	16	89	/	102	1,431	/	1,415	992	/	1,069	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	28	0	21	15	1	26	7	691	33	21	499	1	1,343					
	APPROACH %	57%	0%	43%	36%	2%	62%	1%	95%	5%	4%	96%	0%						
	PEAK HR FACTOR		0.645			0.700			0.983			0.840		0.905					
	APP/DEPART	49	/	8	42	/	55	731	/	727	521	/	553	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	4			5					0					0
	7:15 AM	3	6	1	2	12					0					0
	7:30 AM	2	9		1	12					0					0
	7:45 AM	7	10		3	20					0	2				2
	8:00 AM	2	9		1	12					0		1			1
	8:15 AM	8	15	1	2	26					0		3			3
	8:30 AM	2	8			10					0	2				2
	8:45 AM	6	14	1	4	25					0	1				1
	TOTAL	31	75	3	13	122	0	0	0	0	0	5	4	0	0	9
PM	4:00 PM	13	30	2	3	48					0		1			1
	4:15 PM	15	40		2	57					0	1	2		1	4
	4:30 PM	12	27	1	3	43					0		4			4
	4:45 PM	17	41	3		61					0		1			1
	5:00 PM	4	25		2	31					0					0
	5:15 PM	10	20			30					0	2				2
	5:30 PM	5	10	1		16					0					0
	5:45 PM	16	21		7	44					0	1	1		1	3
	TOTAL	92	214	7	17	330	0	0	0	0	0	4	9	0	2	15

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

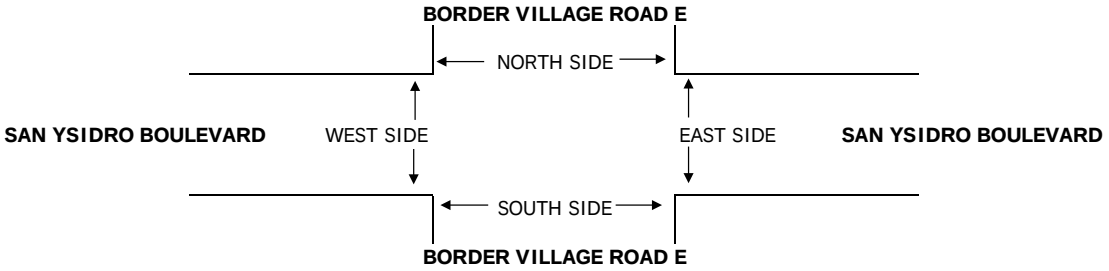
DATE:					
5/8/18	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01	
TUESDAY	NORTH & SOUTH:	BORDER VILLAGE ROAD E	LOCATION #:	34	
	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	SIGNAL	

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND BORDER VILLAGE ROAD E			SOUTHBOUND BORDER VILLAGE ROAD E			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	0	0	7	0	0	0	2	24	1	5	20	0	59				2	2
	7:15 AM	4	0	5	0	0	2	0	30	3	5	29	1	79				1	1
	7:30 AM	4	0	8	0	0	2	2	42	1	5	26	0	90				3	3
	7:45 AM	2	0	6	0	0	2	3	43	4	7	24	0	91				3	3
	8:00 AM	6	1	11	0	0	3	1	46	4	7	31	0	110				1	1
	8:15 AM	1	0	5	1	0	2	2	51	5	8	35	1	111				4	4
	8:30 AM	2	0	8	1	0	1	1	44	3	6	31	1	98				2	2
	8:45 AM	5	0	9	0	0	5	2	56	4	21	52	0	154				15	15
	VOLUMES	24	1	59	2	0	17	13	336	25	64	248	3	792	0	0	0	31	31
	APPROACH %	29%	1%	70%	11%	0%	89%	3%	90%	7%	20%	79%	1%						
	APP/DEPART	84	/	17	19	/	89	374	/	397	315	/	289	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	14	1	33	2	0	11	6	197	16	42	149	2	473					
	APPROACH %	29%	2%	69%	15%	0%	85%	3%	90%	7%	22%	77%	1%						
	PEAK HR FACTOR		0.667			0.650			0.883			0.661		0.768					
	APP/DEPART	48	/	9	13	/	58	219	/	232	193	/	174	0					
PM	4:00 PM	5	0	20	1	1	5	9	115	13	22	86	0	277				7	7
	4:15 PM	8	1	35	5	1	8	15	121	13	18	70	2	297				10	10
	4:30 PM	7	0	20	2	0	11	6	127	6	18	73	0	270				7	7
	4:45 PM	8	0	22	2	0	4	6	135	8	12	65	0	262			3	3	6
	5:00 PM	11	0	29	4	0	1	3	138	14	16	77	1	294				4	4
	5:15 PM	9	2	13	2	3	1	2	127	8	12	64	0	243				3	3
	5:30 PM	3	1	26	1	1	2	3	130	7	12	69	0	255				5	5
	5:45 PM	9	1	27	1	1	4	3	119	10	18	67	0	260				9	9
	VOLUMES	60	5	192	18	7	36	47	1,012	79	128	571	3	2,158	0	0	3	48	51
	APPROACH %	23%	2%	75%	30%	11%	59%	4%	89%	7%	18%	81%	0%						
	APP/DEPART	257	/	55	61	/	214	1,138	/	1,222	702	/	667	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	34	1	106	13	1	24	30	521	41	64	285	3	1,123					
	APPROACH %	24%	1%	75%	34%	3%	63%	5%	88%	7%	18%	81%	1%						
	PEAK HR FACTOR		0.801			0.679			0.955			0.936		0.945					
	APP/DEPART	141	/	34	38	/	106	592	/	640	352	/	343	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	4	25	1	2	32					0	1			2	3
	7:15 AM	5	11	2		18					0					0
	7:30 AM	8	15	7	1	31					0				1	1
	7:45 AM	15	18	1	7	41					0	1		1		2
	8:00 AM	15	20	4	6	45					0	1	1		1	3
	8:15 AM	9	19	4	1	33					0		1			1
	8:30 AM	10	15	3		28					0	2				2
	8:45 AM	10	15	9	7	41					0	1		1		2
	TOTAL	76	138	31	24	269	0	0	0	0	0	6	2	2	4	14
PM	4:00 PM	31	45	11	18	105					0		1			1
	4:15 PM	37	47	9	22	115					0			1	1	2
	4:30 PM	17	48	5	21	91					0	1	1			2
	4:45 PM	35	43	8	25	111					0	1	3			4
	5:00 PM	35	28	8	8	79					0	1	1	3		5
	5:15 PM	43	50	9	26	128					0	1				1
	5:30 PM	24	38	7	10	79					0	1		1		2
	5:45 PM	30	46	11	18	105					0			1		1
	TOTAL	252	345	68	148	813	0	0	0	0	0	5	6	6	1	18

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

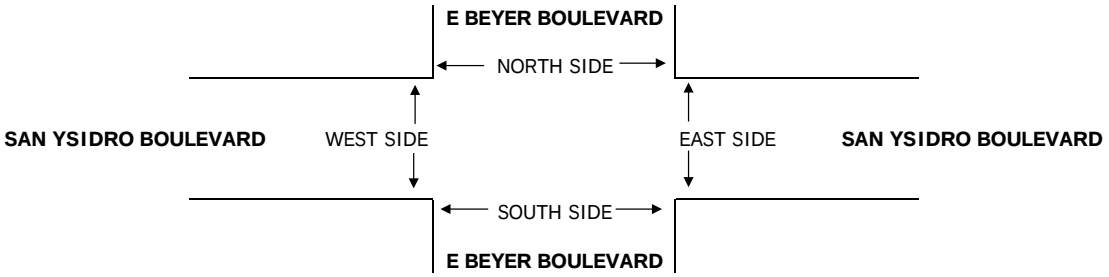
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	E BEYER BOULEVARD	LOCATION #:	35
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND E BEYER BOULEVARD			SOUTHBOUND E BEYER BOULEVARD			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	13	7	63	3	6	2	1	18	13	17	14	4	161			1		1
	7:15 AM	13	6	49	3	5	2	11	11	14	14	16	3	147			1	1	2
	7:30 AM	18	11	48	3	12	2	2	16	19	15	14	3	163			3	3	6
	7:45 AM	18	10	55	6	17	5	0	24	27	23	15	4	204			1	4	5
	8:00 AM	25	9	74	4	6	5	0	22	46	24	14	4	233			4	6	10
	8:15 AM	27	8	72	3	8	4	0	23	33	18	17	1	214			1	6	7
	8:30 AM	27	7	57	2	9	2	1	20	32	26	15	2	200			2	6	8
	8:45 AM	34	3	67	4	4	10	2	21	41	21	35	0	242			5	3	8
	VOLUMES	175	61	485	28	67	32	17	155	225	158	140	21	1,564	0	0	18	29	47
	APPROACH %	24%	8%	67%	22%	53%	25%	4%	39%	57%	50%	44%	7%						
	APP/DEPART	721	/	99	127	/	450	397	/	668	319	/	347	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	113	27	270	13	27	21	3	86	152	89	81	7	889					
	APPROACH %	28%	7%	66%	21%	44%	34%	1%	36%	63%	50%	46%	4%						
	PEAK HR FACTOR		0.949			0.847			0.886			0.790		0.918					
	APP/DEPART	410	/	37	61	/	268	241	/	369	177	/	215	0					
PM	4:00 PM	63	16	96	12	21	16	3	44	104	21	27	2	425			7	4	11
	4:15 PM	45	17	78	13	15	7	4	55	112	18	35	3	402			6	1	7
	4:30 PM	31	5	74	19	16	11	5	54	100	23	27	7	372			3	1	4
	4:45 PM	37	8	83	20	23	11	6	49	114	15	26	5	397			3	1	4
	5:00 PM	49	14	86	16	27	8	5	42	115	23	22	4	411			5	1	6
	5:15 PM	45	11	82	21	27	13	3	46	83	25	21	6	383			2	1	3
	5:30 PM	35	13	76	22	14	13	12	46	97	27	24	6	385			2		2
	5:45 PM	29	14	78	13	23	13	6	55	102	22	29	3	387			6	2	8
	VOLUMES	334	98	653	136	166	92	44	391	827	174	211	36	3,162	0	0	34	11	45
	APPROACH %	31%	9%	60%	35%	42%	23%	3%	31%	66%	41%	50%	9%						
	APP/DEPART	1,085	/	178	394	/	1,167	1,262	/	1,180	421	/	637	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	176	46	331	64	75	45	18	202	430	77	115	17	1,596					
	APPROACH %	32%	8%	60%	35%	41%	24%	3%	31%	66%	37%	55%	8%						
	PEAK HR FACTOR		0.790			0.852			0.950			0.917		0.939					
	APP/DEPART	553	/	81	184	/	582	650	/	597	209	/	336	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	18	22	2	9	51					0					0
	7:15 AM	19	32	1	10	62					0				1	1
	7:30 AM	15	23	5	2	45					0	1		2		3
	7:45 AM	21	39	3	13	76					0					0
	8:00 AM	19	42	4	5	70					0					0
	8:15 AM	20	41	7	7	75					0		1			1
	8:30 AM	20	28	4	8	60					0		1			1
	8:45 AM	29	41			70					0	1				1
	TOTAL	161	268	26	54	509	0	0	0	0	0	2	2	2	1	7
PM	4:00 PM	66	45	1	22	134					0		1			1
	4:15 PM	59	53	6	16	134					0	1				1
	4:30 PM	41	51	6	18	116					0	1				1
	4:45 PM	59	40	2	8	109					0					0
	5:00 PM	35	77	8	32	152					0	1				1
	5:15 PM	61	50	1	13	125					0					0
	5:30 PM	28	41	3	10	82					0					0
	5:45 PM	43	68	3	9	123					0					0
	TOTAL	392	425	30	128	975	0	0	0	0	0	3	1	0	0	4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

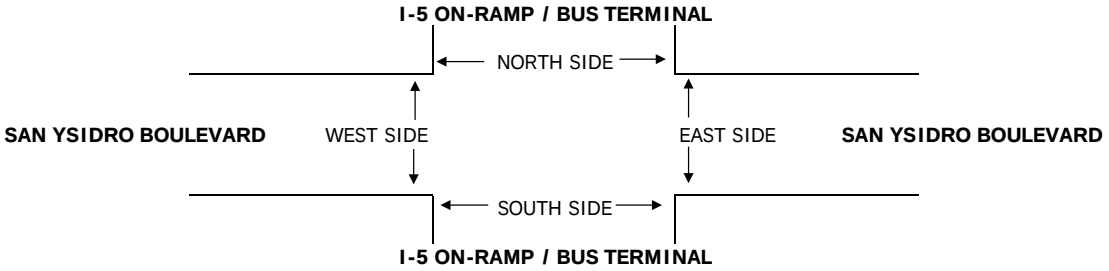
DATE:	LOCATION:	IMPERIAL BEACH TO SAN YSIDRO	PROJECT #:	PTD18-0511-01
5/8/18	NORTH & SOUTH:	I-5 ON-RAMP / BUS TERMINAL	LOCATION #:	36
TUESDAY	EAST & WEST:	SAN YSIDRO BOULEVARD	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE AND PEDESTRIAN

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-5 ON-RAMP / BUS TERMINAL			SOUTHBOUND I-5 ON-RAMP / BUS TERMINAL			EASTBOUND SAN YSIDRO BOULEVARD			WESTBOUND SAN YSIDRO BOULEVARD				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	15	4	1	0	8	11	14	6	49	1	5	0	114			3		3
	7:15 AM	18	9	0	0	17	10	16	6	39	0	5	0	120			3		3
	7:30 AM	16	0	0	0	10	10	13	12	42	3	6	0	112			2		2
	7:45 AM	23	4	1	0	14	15	26	9	53	4	9	0	158			1		1
	8:00 AM	24	0	0	0	11	10	25	11	58	0	5	2	146			5		5
	8:15 AM	25	2	0	0	14	11	30	11	65	2	4	2	166			5		5
	8:30 AM	31	1	0	0	7	7	21	7	42	4	5	0	125			4		4
	8:45 AM	35	4	0	0	24	13	28	7	66	3	6	0	186			3		3
	VOLUMES	187	24	2	0	105	87	173	69	414	17	45	4	1,127	0	0	26	0	26
	APPROACH %	88%	11%	1%	0%	55%	45%	26%	11%	63%	26%	68%	6%						
	APP/DEPART	213	/	201	192	/	536	656	/	71	66	/	319	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	115	7	0	0	56	41	104	36	231	9	20	4	623					
	APPROACH %	94%	6%	0%	0%	58%	42%	28%	10%	62%	27%	61%	12%						
	PEAK HR FACTOR		0.782			0.655			0.875			0.917		0.837					
	APP/DEPART	122	/	115	97	/	296	371	/	36	33	/	176	0					
PM	4:00 PM	35	10	0	0	19	13	33	4	123	1	2	0	240			2		2
	4:15 PM	36	4	0	0	24	15	42	7	102	2	6	0	238			4		4
	4:30 PM	30	3	0	0	19	15	49	6	90	3	4	0	219			4		4
	4:45 PM	23	4	0	1	27	11	43	4	113	0	5	1	232			8		8
	5:00 PM	24	3	0	0	29	17	47	5	96	2	3	0	226			6		6
	5:15 PM	30	1	0	0	24	13	37	9	98	3	5	0	220			1		1
	5:30 PM	37	0	0	0	19	12	45	8	95	1	5	0	222			3		3
	5:45 PM	27	1	0	0	20	20	44	3	76	0	2	0	193			6		6
	VOLUMES	242	26	0	1	181	116	340	46	793	12	32	1	1,790	0	0	34	0	34
	APPROACH %	90%	10%	0%	0%	61%	39%	29%	4%	67%	27%	71%	2%						
	APP/DEPART	268	/	367	298	/	986	1,179	/	47	45	/	390	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	124	21	0	1	89	54	167	21	428	6	17	1	929					
	APPROACH %	86%	14%	0%	1%	62%	38%	27%	3%	69%	25%	71%	4%						
	PEAK HR FACTOR		0.806			0.923			0.963			0.750		0.968					
	APP/DEPART	145	/	189	144	/	523	616	/	22	24	/	195	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	61	1	120	41	223					0	1				1
	7:15 AM	66	5	166	42	279					0	1	1	1		3
	7:30 AM	59	2	101	28	190					0	5	1	1	1	8
	7:45 AM	81	3	148	32	264					0					0
	8:00 AM	76	3	72	43	194					0		1			1
	8:15 AM	88	2	47	67	204					0			1		1
	8:30 AM	81		70	41	192					0	1			2	3
	8:45 AM	89	3	74	61	227					0					0
	TOTAL	601	19	798	355	1,773	0	0	0	0	0	8	3	3	3	17
PM	4:00 PM	145	3	37	100	285					0	1			2	3
	4:15 PM	170	2	43	120	335					0	1				1
	4:30 PM	190	7	54	107	358					0	4				4
	4:45 PM	176	4	40	166	386					0	1				1
	5:00 PM	153	10	50	78	291					0	2	1		1	4
	5:15 PM	182	2	53	133	370					0	2				2
	5:30 PM	184	11	41	145	381					0		1		1	2
	5:45 PM	151	5	44	123	323					0	1				1
	TOTAL	1,351	44	362	972	2,729	0	0	0	0	0	12	2	0	4	18

APPENDIX

D FUTURE-YEAR TRAFFIC VOLUMES

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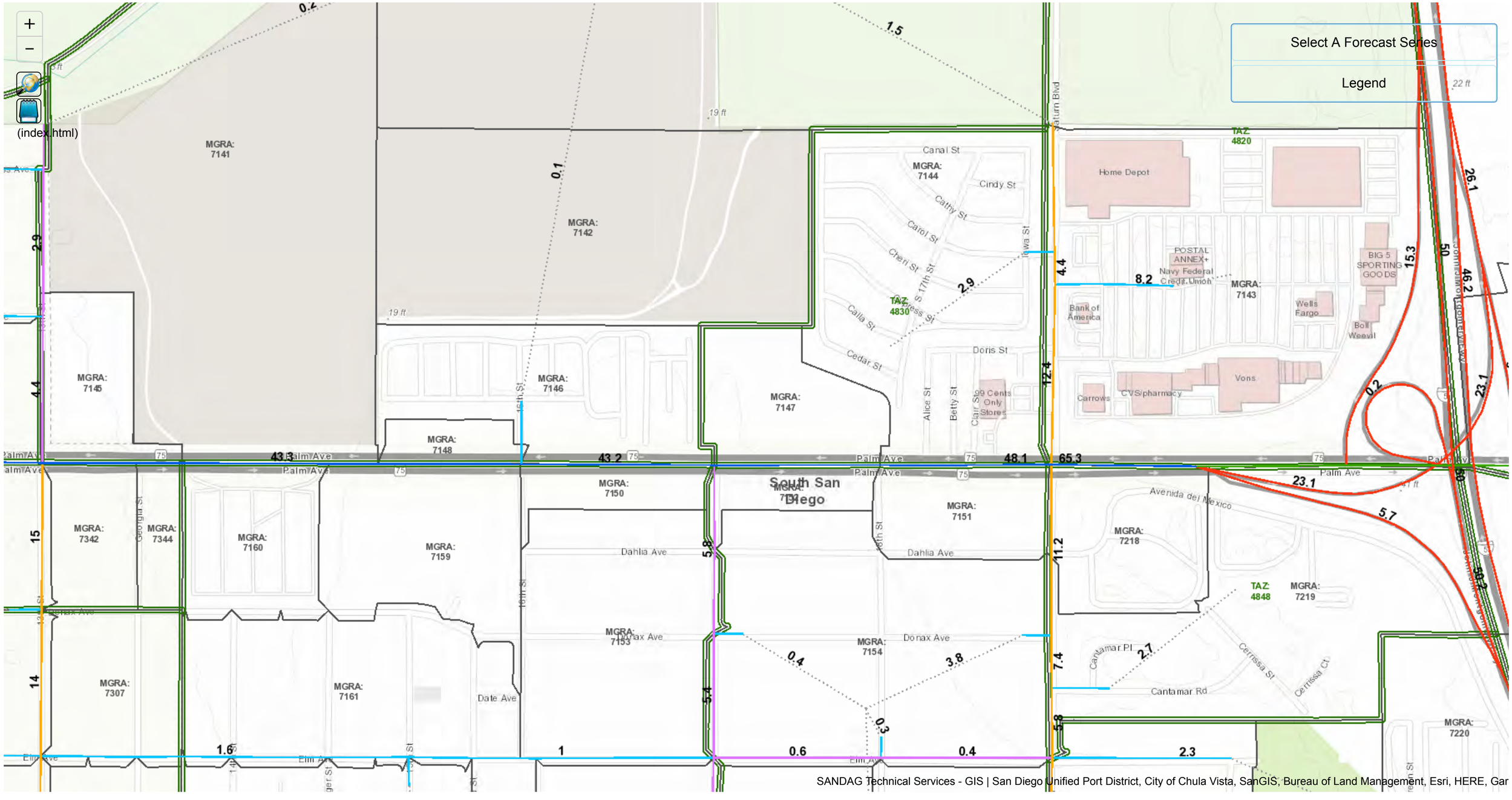
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MGRA: 7142
MGRA: 7144
MGRA: 7145
MGRA: 7146
MGRA: 7147
MGRA: 7148
MGRA: 7150
MGRA: 7151
MGRA: 7342
MGRA: 7344
MGRA: 7160
MGRA: 7159
MGRA: 7307
MGRA: 7161
MGRA: 7153
MGRA: 7154
MGRA: 7143
MGRA: 7218
MGRA: 7219
MGRA: 7220
TAZ: 4820
TAZ: 4830
TAZ: 4848
Home Depot
POSTAL ANNEX+
Navy Federal Credit Union
BIG 5 SPORTING GOODS
Bank of America
Wells Fargo
Boll Weevil
Vons
CVS/pharmacy
Carrows
99 Cents Only Stores
Canal St
Cindy St
Cathy St
Carol St
Cheri St
Calla St
Cedar St
Doris St
Iowa St
17th St
Alice St
Betty St
Carr St
Saturn Blvd
Palm Ave
Dahlia Ave
Donax Ave
Elm Ave
Date Ave
16th St
Georgia St
Avenida del Mexico
Cantamar Pl
Cantamar Rd
Cerrissa St
Cerrissa Ct
South San Diego
22 ft
19 ft
SANDAG Technical Services - GIS | San Diego Unified Port District, City of Chula Vista, SanGIS, Bureau of Land Management, Esri, HERE, Gar

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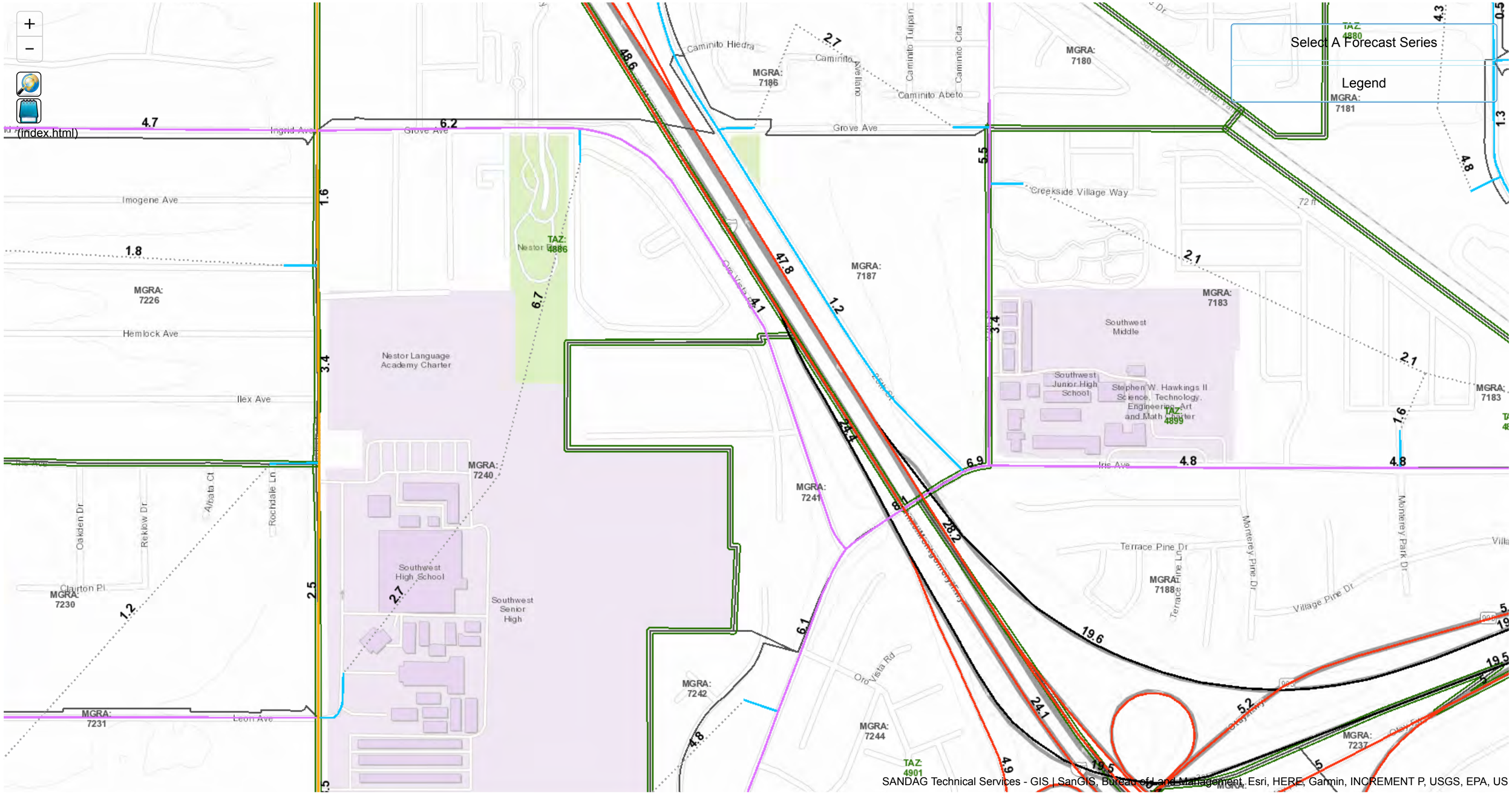
(index.html)

Select A Forecast Series

Legend



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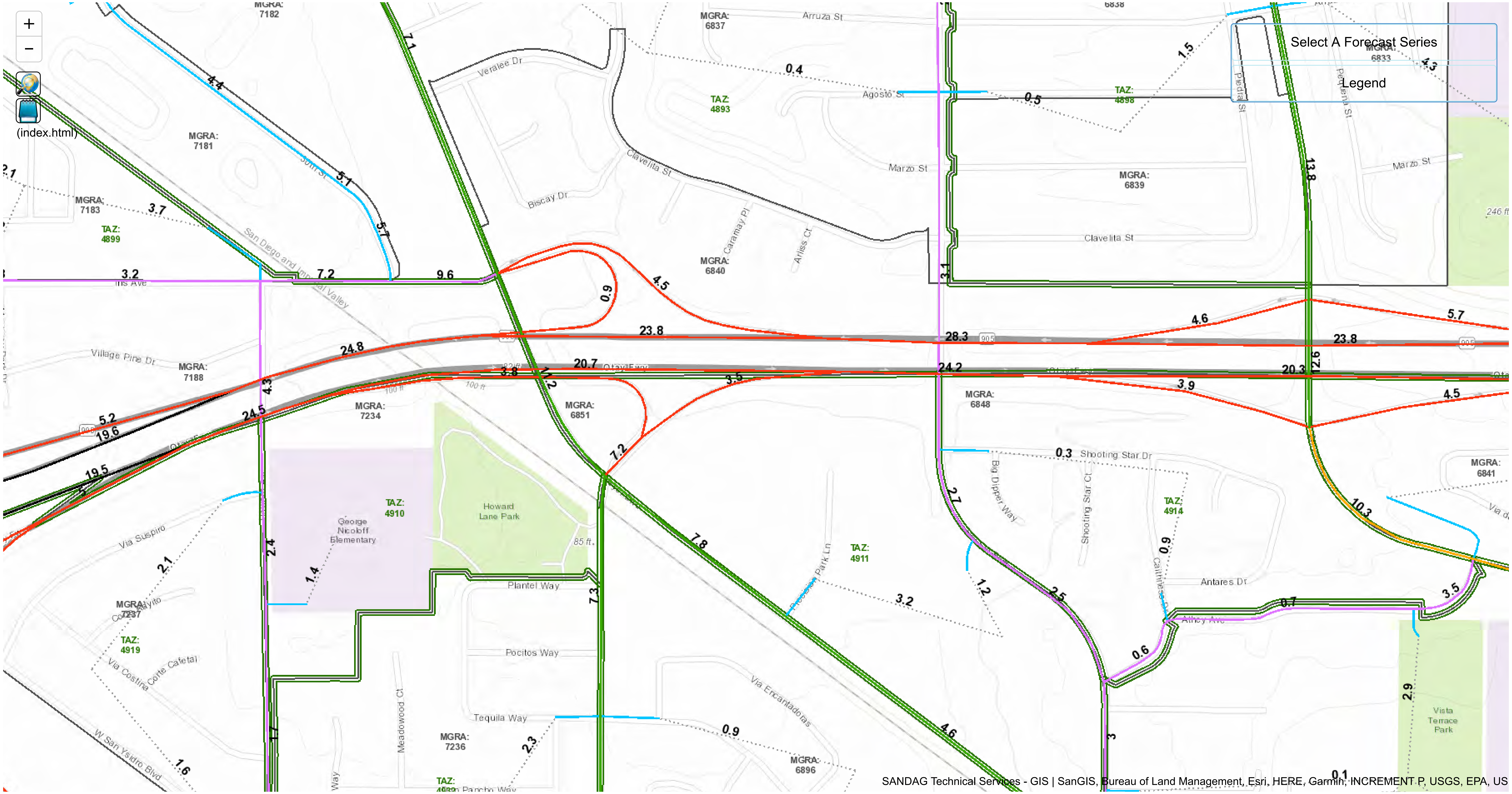

+
−
(index.html)
Select A Forecast Series
Legend
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MGRA: 7181
MGRA: 7183
TAZ: 4899
MGRA: 6837
TAZ: 4893
MGRA: 6840
MGRA: 6839
TAZ: 4898
MGRA: 6833
Arruza St
Veralee Dr
Agosto St
Marzo St
Clavelita St
Biscay Dr
Caramay Pl
Arliss Ct
30th St
San Diego and Imperial Valley
Village Pine Dr
MGRA: 7188
MGRA: 7234
MGRA: 6851
MGRA: 6848
MGRA: 6841
Otay Fwy
Shooting Star Dr
Big Dipper Way
Shooting Star Ct
Antares Dr
TAZ: 4914
TAZ: 4911
TAZ: 4910
George Nicoloff Elementary
Howard Lane Park
Plantel Way
Pocitos Way
Tequila Way
Meadowood Ct
Via Encantadoras
Via Suspiro
Via Costina
Corte Cafetal
MGRA: 7237
TAZ: 4919
W San Ysidro Blvd
MGRA: 7236
MGRA: 6896
Vista Terrace Park
Marzo St
7.1
4.4
5.1
5.7
3.7
3.2
7.2
9.6
0.9
4.5
0.4
0.5
1.5
4.3
3.1
13.8
23.8
28.3
4.6
5.7
23.8
24.8
20.7
3.8
11.2
3.5
24.2
20.3
12.6
3.9
4.5
5.2
19.6
4.3
24.5
19.5
7.2
0.3
2.7
10.3
7.8
2.4
1.4
2.1
7.3
1.2
3.2
2.5
0.9
0.7
3.5
0.6
2.9
4.6
0.9
2.3
1.7
1.6
3
0.1
SANDAG Technical Services - GIS | SanGIS, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, US

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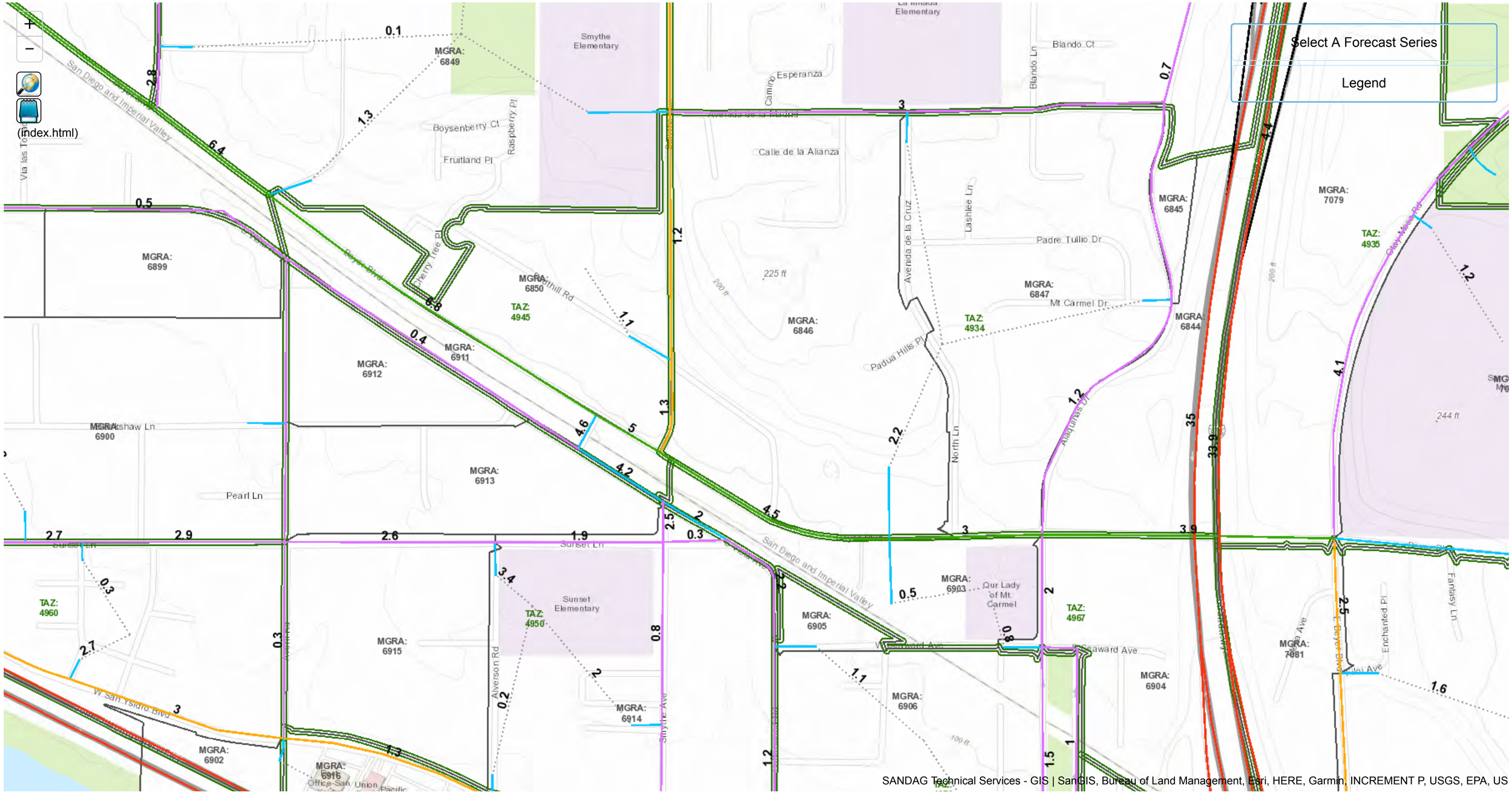

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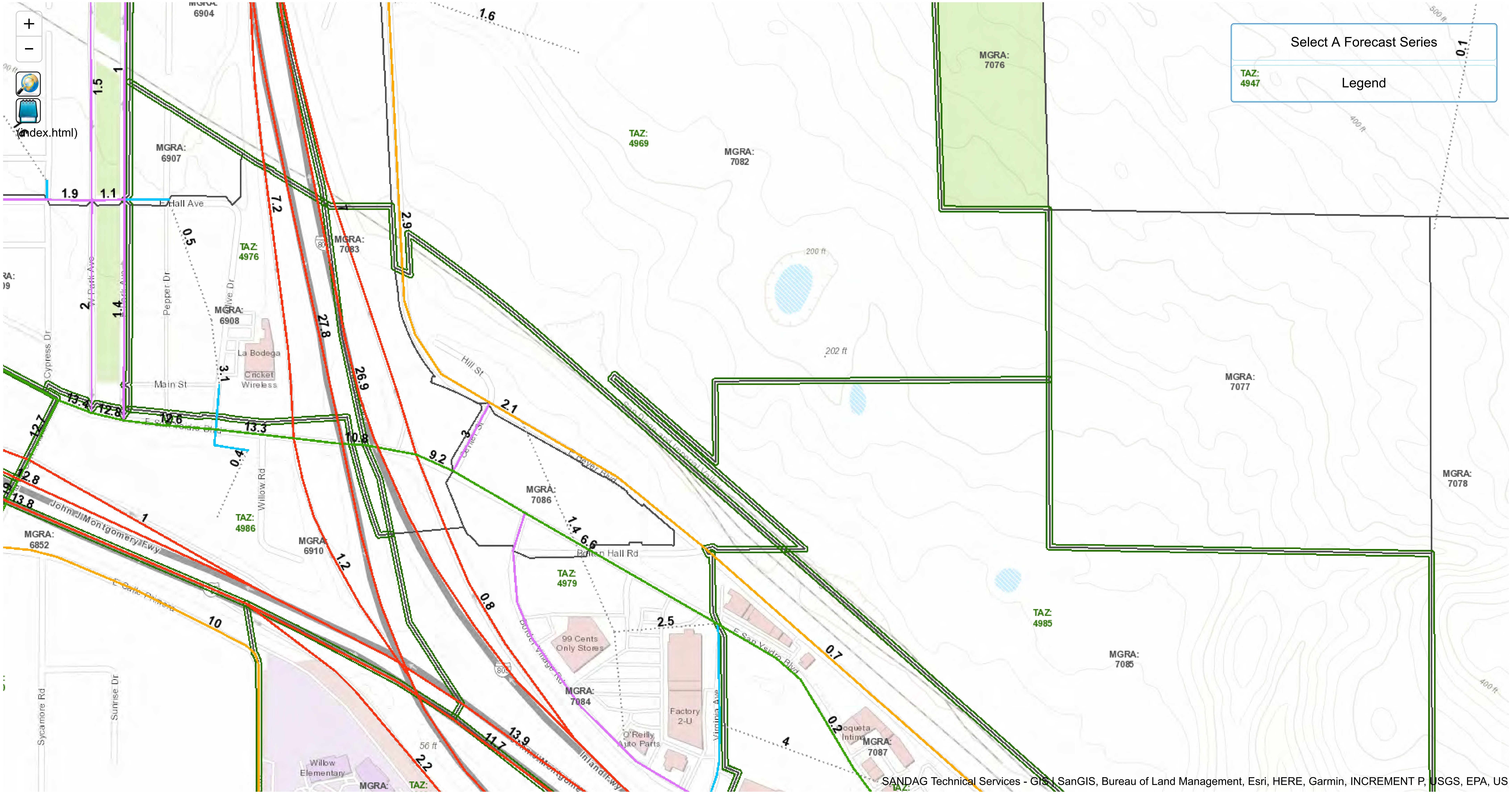
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Select A Forecast Series
Legend
TAZ: 4947
MGRA: 6904
MGRA: 6907
MGRA: 6908
MGRA: 6910
MGRA: 6852
MGRA: 7083
MGRA: 7082
MGRA: 7076
MGRA: 7077
MGRA: 7078
MGRA: 7085
MGRA: 7086
MGRA: 7084
MGRA: 7087
TAZ: 4969
TAZ: 4976
TAZ: 4986
TAZ: 4979
TAZ: 4985
E Hall Ave
Main St
W. Park Ave
Pepper Dr
Cypress Dr
Willow Rd
Hill St
E Beyer Blvd
Bolton Hall Rd
E San Ysidro Blvd
Virginia Ave
Sycamore Rd
Sunrise Dr
E Calle Primera
John J Montgomery Fwy
Inland Fwy
La Bodega
Cricket Wireless
99 Cents Only Stores
Factory 2-U
O'Reilly Auto Parts
Willow Elementary
200 ft
202 ft
56 ft
400 ft
500 ft
SANDAG Technical Services - GIS | SanGIS, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, US

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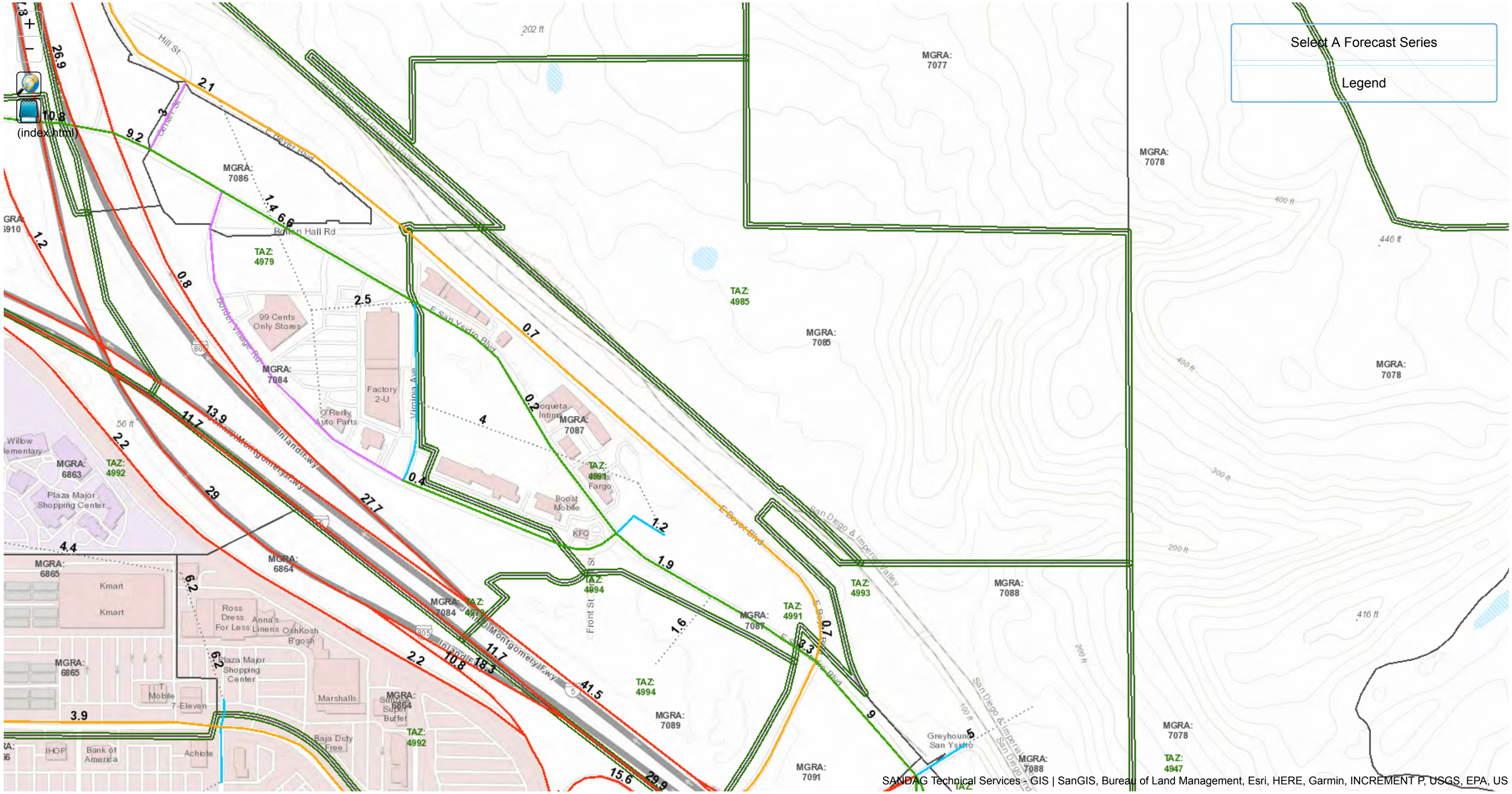
Select A Forecast Series
Legend
(index.html)
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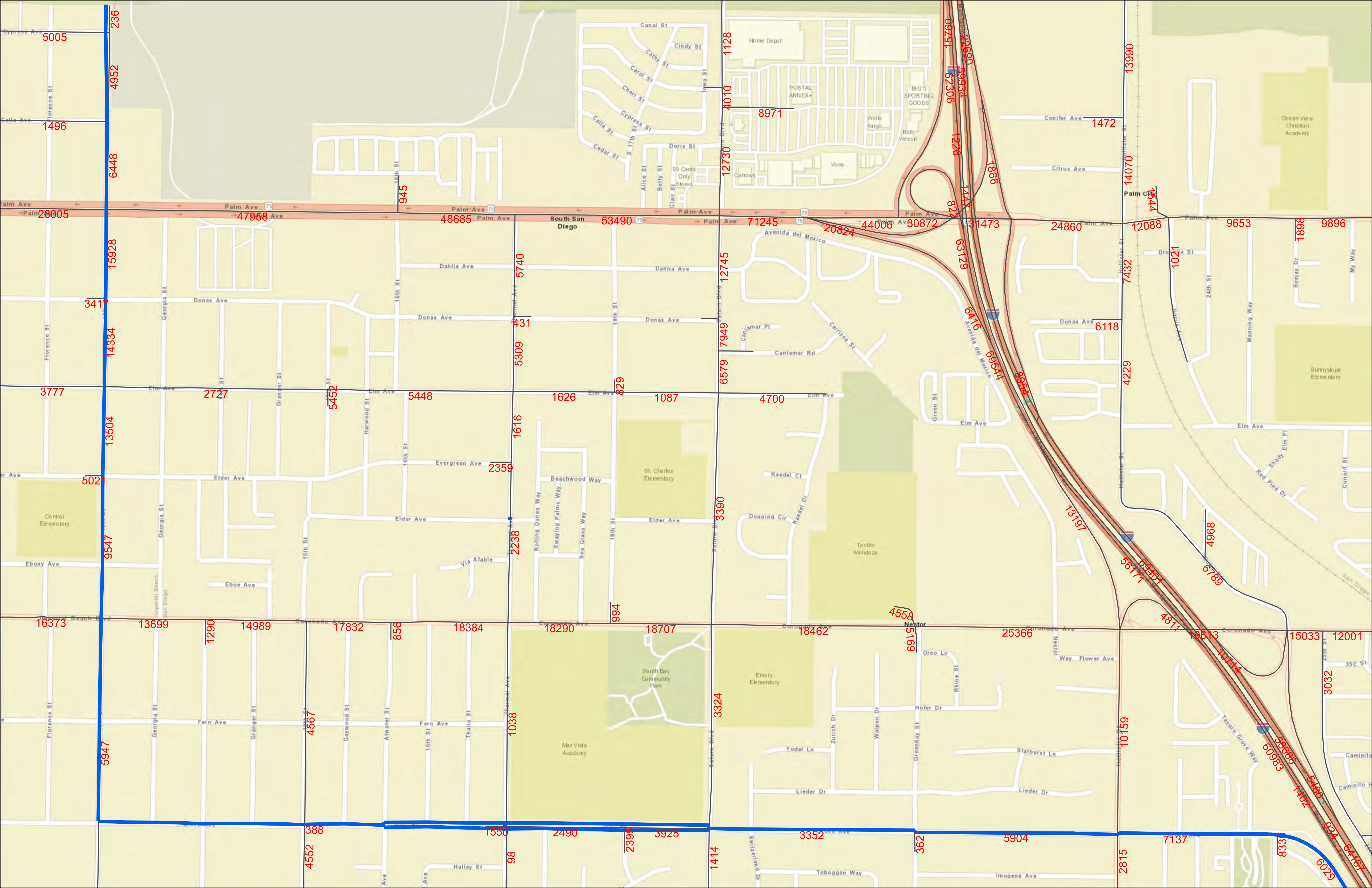
MGRA: 7078
MGRA: 7086
MGRA: 7085
MGRA: 7084
MGRA: 7087
MGRA: 6863
MGRA: 6865
MGRA: 6864
MGRA: 7089
MGRA: 7091
MGRA: 7088
TAZ: 4979
TAZ: 4985
TAZ: 4992
TAZ: 4991
TAZ: 4994
TAZ: 4993
TAZ: 4947
Hill St
E Beyer Blvd
Beyer Hall Rd
Border Village Rd
E San Ysidro Blvd
Virginia Ave
Front St
Inland Dr
Interstate 805
Interstate 5
San Diego & Imperial Valley
99 Cents Only Stores
Factory 2-U
O'Reilly Auto Parts
Boost Mobile
KFC
Fargo
Willow Elementary
Plaza Major Shopping Center
Kmart
Ross Dress For Less
Anna's Linens
OshKosh B'gosh
T Mobile
7-Eleven
Marshalls
Super Buffet
Baja Duty Free
IHOP
Bank of America
Achiote
Greyhound San Ysidro
202 ft
400 ft
446 ft
300 ft
200 ft
416 ft
100 ft
56 ft
SANDAG Technical Services - GIS | SanGIS, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, US



Home Depot
POSTAL ANNEX+
BIG 5 SPORTING GOODS
Wells Fargo
Boll Weevil
Vons
Carrows
99 Cents Only Stores
Canal St
Cindy St
Cathy St
Carol St
Cheri St
Cypress St
Calla St
Cedar St
Doris St
Alice St
Betty St
Iowa St
Cypress Ave
Calla Ave
Palm Ave
South San Diego
Avenida del Mexico
Dahlia Ave
Donax Ave
Cantamar Pl
Cantamar Rd
Cerissa St
Elm Ave
Evergreen Ave
Beachwood Way
Elder Ave
St. Charles Elementary
Raedel Ct
Raedel Dr
Dunning Cir
Teofilo Mendoza
Central Elementary
Ebony Ave
Eboe Ave
Via Afable
Rolling Dunes Way
Swaying Palms Way
Sea Glass Way
Imperial Beach Blvd
Coronado Ave
Nestor
Oreo Ln
Flower Ave
South Bay Community Park
Emory Elementary
Mar Vista Academy
Fern Ave
Hofer Dr
Yodel Ln
Starburst Ln
Lieder Dr
Halley St
Toboggan Way
Imogene Ave
Florence St
Georgia St
Granger St
Harwood St
16th St
18th St
15th St
Gaywood St
Atwater St
Thalia St
Saturn Blvd
Green St
Zurich Dr
Walpen Dr
Greenbay St
Rhine St
Switzerland Dr
Conifer Ave
Citrus Ave
Palm City
Drucella St
Harris Ave
24th St
Manning Way
Beejay Dr
My Way
Hollister St
Shady Elm Pl
Red Pine Dr
Cunard St
Tesoro Grove Way
Ocean View Christian Academy
Sunnyslope Elementary
Caminito
5005
236
4952
1496
6448
28005
47958
48685
53490
71245
20824
44006
30872
31473
24860
12088
9653
9896
1898
1128
4010
8971
12730
15760
22690
62306
59634
1226
1866
1442
822
945
15928
3417
14334
5740
431
5309
12745
7949
6579
63129
6416
69544
8654
1472
13990
14070
1544
7432
1021
6118
4229
3777
2727
5452
5448
1626
829
1087
4700
13504
1616
2359
5021
9547
2238
3390
13197
4968
6789
56171
69401
4871
10613
10714
16373
13699
1290
14989
17832
856
18384
18290
994
18707
18462
4558
5169
25366
15033
12001
3032
5947
4567
1038
3324
10159
58666
60983
5460
1402
924
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362
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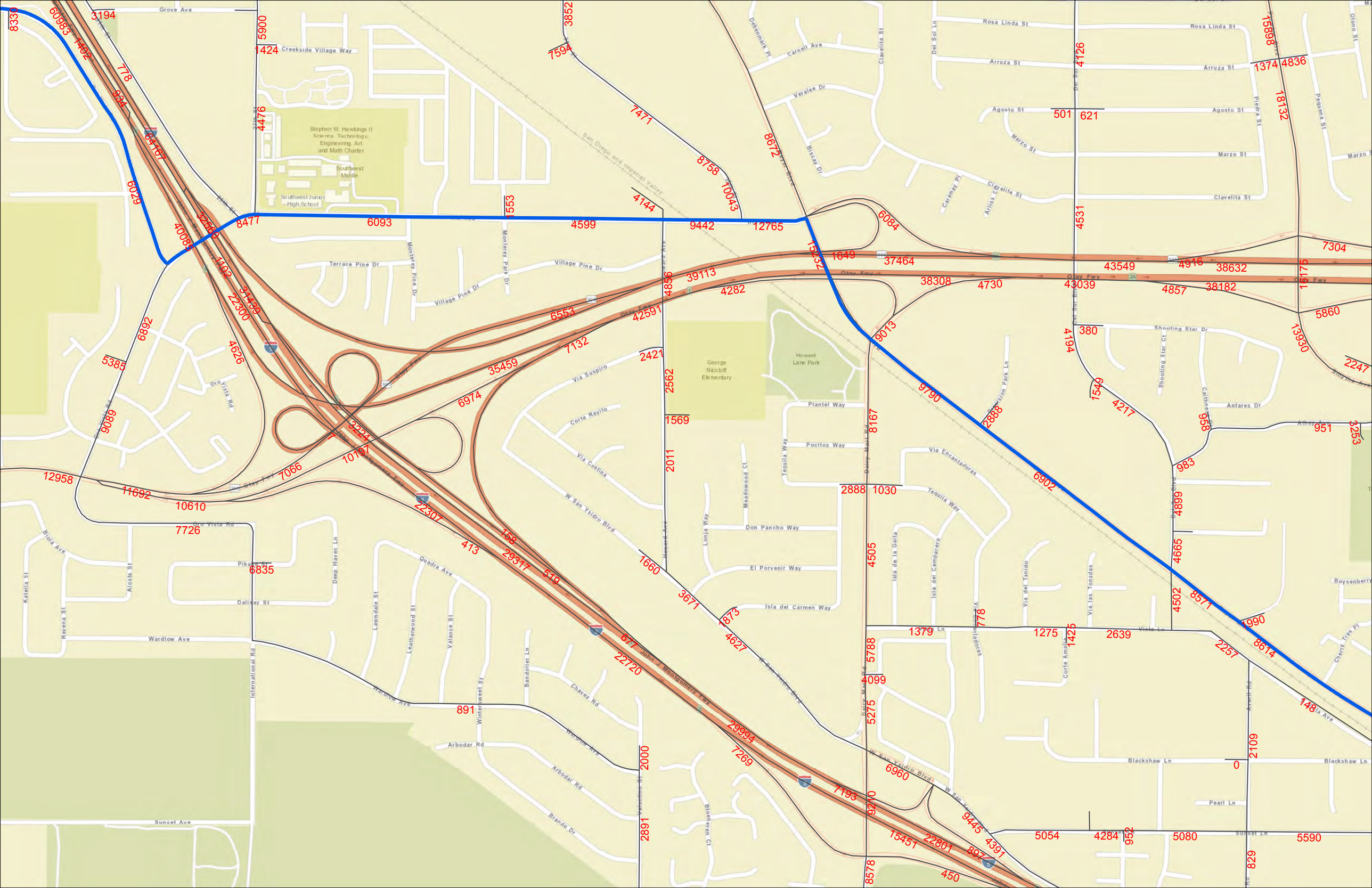
6029
64167



Grove Ave
Creekside Village Way
Stephen W. Hawkings II Science, Technology, Engineering, Art and Math Charter
Southwest Middle
Southwest Junior High School
Rosa Linda St
Arruza St
Agosto St
Marzo St
Clavelita St
Carnell Ave
Veralee Dr
Biscay Dr
Debenmark Pl
Caramay Pl
Arliss Ct
Del Sol Ln
Olono St
Piedra St
Pequena St
San Diego and Imperial Valley
Terrace Pine Dr
Village Pine Dr
Monterey Pine Dr
Monterey Park Dr
Otay Fwy
Oro Vista Rd
Via Suspiro
Corte Rayito
Via Costina
W San Ysidro Blvd
George Nicoloff Elementary
Howard Lane Park
Plantel Way
Pocitos Way
Tequila Way
Meadowood Ct
Don Pancho Way
El Porvenir Way
Isla del Carmen Way
Lonja Way
Dairy Mart Rd
Via Encantadoras
Isla de la Gaita
Isla del Campanero
Via del Tanido
Via las Tonadas
Corte Amalia
Vista Ln
Shooting Star Dr
Shooting Star Ct
Antares Dr
Athey Ave
Boysenberry
Cherry Tree Pl
Blackshaw Ln
Pearl Ln
Sunset Ln
Sunset Ave
Averil Rd
Ita Ave
Biola Ave
Katella St
Revena St
Alosta St
Pikake St
Dalisay St
Deep Haven Ln
Lawndale St
Leatherwood St
Valance St
Quadra Ave
Wardlow Ave
International Rd
Wintersweet St
Bandolier Ln
Chavez Rd
Arbodar Rd
Brando Dr
Valentino St
Bluehaven Ct
John J Montgomery Fwy
8330
60983
1402
3194
778
934
64167
6029
5900
1424
4476
3852
7594
7471
8758
10043
8672
553
8477
6093
4599
4144
9442
12765
6084
32560
40085
4126
501
621
4531
15898
1374
4836
18132
7304
1649
37464
43549
4916
38632
16175
15232
39113
38308
4730
43039
4857
38182
5860
4282
4856
6553
42591
7132
1102
31439
22300
4626
6892
5385
9089
9013
380
4194
13930
2247
2421
35459
2562
1569
9790
2888
1549
4217
958
951
3253
6974
3224
10197
7066
8167
983
12958
11692
10610
7726
6835
2011
6902
2888
1030
4899
22307
158
413
29317
519
1660
3671
4505
4665
4502
8571
1990
8614
2257
1873
4627
677
22720
1379
778
1275
1425
2639
5788
4099
5275
891
2000
2891
29994
7269
6960
2109
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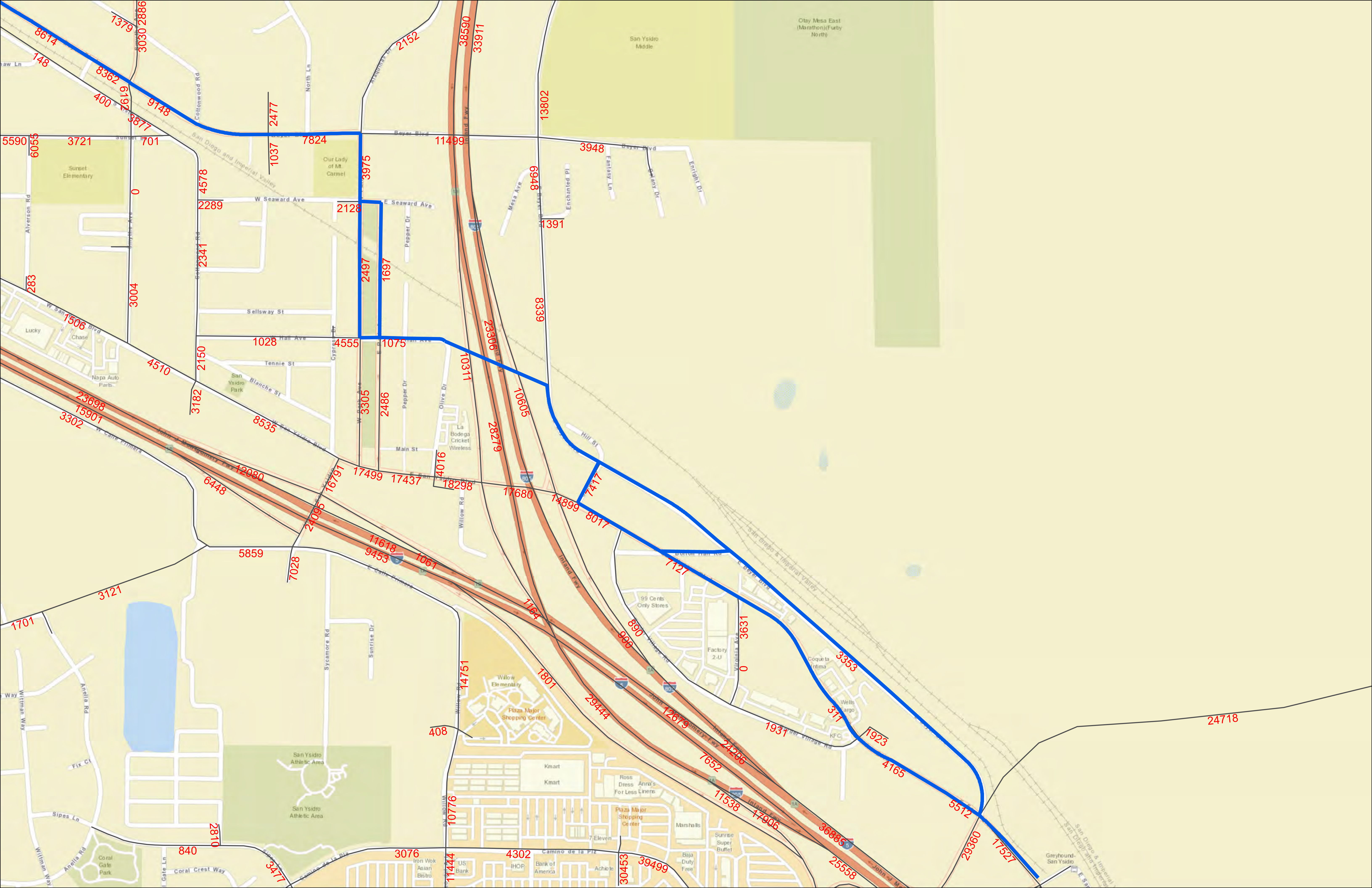
897
450
8578
829



Otay Mesa East (Marathon)(Furby North)
San Ysidro Middle
Sunset Elementary
Our Lady of Mt Carmel
San Ysidro Park
Lucky
Chase
Napa Auto Parts
La Bodega Cricket Wireless
99 Cents Only Stores
Factory 2-U
Coqueta Intima
Wells Fargo
KFC
Willow Elementary
Plaza Major Shopping Center
Kmart
Ross Dress For Less
Anna's Linens
Marshalls
7-Eleven
Sunrise Super Buffet
Baja Duty Free
Achiote
Bank of America
IHOP
US Bank
Iron Wok Asian Bistro
San Ysidro Athletic Area
Coral Gate Park
Greyhound-San Ysidro
Beyer Blvd
W Seaward Ave
E Seaward Ave
Sellsway St
Tennie St
Blanche St
Main St
W San Ysidro Blvd
E San Ysidro Blvd
Hill St
Dotton Hall Rd
E Beyer Blvd
Camino de la Plz
Coral Crest Way
Sipes Ln
Willow Rd
Sycamore Rd
Sunrise Dr
Virginia Ave
Pepper Dr
Olive Dr
Cottonwood Rd
North Ln
Alverson Rd
Mesa Ave
Enchanted Pl
Fantasy Ln
Enlight Dr
Inland Fwy
John J Montgomery Fwy
San Diego and Imperial Valley
E Calle Primera
W Calle Primera
8614
1379
3030
2886
148
8362
6192
400
9748
3877
5590
6055
3721
701
1037
2477
7824
38590
33911
2152
11499
13802
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1697
283
3004
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1028
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1075
10311
4510
2150
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23698
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3302
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12080
6448
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900
3631
3353
14751
1801
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12679
317
1931
1923
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24206
7652
4165
11538
17906
5512
24718
10776
36885
29360
17527
2810
840
3076
4302
3477
11444
30453
39499
25558

				Base Data							Growth						
ADT #	Main Road Name	From Street Name	To Street Name	2012 TFIC Volumes	2012 Average of all Links along Segment	2018 Count Volumes	2040 Model Volumes	2018 Counts / 2012 TFIC Volumes	Are the 2018 Counts =>200% or =<50% of 2012 TFIC volumes	2040 Model Volumes Rounded	2012 to 2040 Total Volume Growth	2012 to 2040 Percent Growth	2012 to 2040 Per Year Percent Growth	Volume Per Year Growth from 2018 Count	2020 Grown Volumes	Discrete Growth Added to Account for CP	2040 Grown Volumes
13th Street																	
1	13th Street	Cypress Avenue	Palm Avenue	7300	3650	6919	11400	190%	FALSE	11400	4100	56.2%	2.0%	138.4	7200		9960
2	13th Street	Palm Avenue	Imperial Beach Boulevard	52500	13125	9197	53313	70%	FALSE	53300	800	1.5%	0.1%	9.2	9220		9400
3	13th Street	Imperial Beach Boulevard	Grove Avenue	6400	6400	10329	5947	161%	FALSE	5900	-500	-7.8%	-0.3%	10.3	10350		10560
Grove Avenue																	
4	Grove Avenue / Halo Street	13th Street	19th Street	4900	2450	2765	6415	113%	FALSE	6400	1500	30.6%	1.1%	30.4	2830		3430
5	Grove Avenue / Ingrid Avenue	19th Street	Hollister Street / Oro Vista Road	7400	3700	3578	9256	97%	FALSE	9300	1900	25.7%	0.9%	32.2	3640		4290
Oro Vista Road																	
6	Oro Vista Road	Grove Avenue / Ingrid Avenue	Iris Avenue	10300	5150	5032	13166	98%	FALSE	13200	2900	28.2%	1.0%	50.3	5130		6140
Iris Avenue																	
7	Iris Avenue	Oro Vista Road	E Beyer Boulevard	39800	6633	5933	50630	89%	FALSE	50600	10800	27.1%	1.0%	59.3	6050		7240
Beyer Boulevard																	
8	E Beyer Boulevard	SR-905 WB Ramps	SR-905 EB Ramps / Dairy Mart Road	11200	11200	18694	15232	167%	FALSE	15200	4000	35.7%	1.3%	243	19180		24040
9	E Beyer Boulevard	SR-905 EB Ramps / Dairy Mart Road	Del Sur Boulevard	12400	6200	7946	16692	128%	FALSE	16700	4300	34.7%	1.2%	95.4	8140		10040
10	E Beyer Boulevard	Del Sur Boulevard	Smythe Avenue	18200	6067	7983	25547	132%	FALSE	25500	7300	40.1%	1.4%	111.8	8210		10440
11	E Beyer Boulevard	Smythe Avenue	Park Avenue	7500	3750	9977	16972	266%	TRUE	17000	9500	126.7%	4.5%	449	10880	9000	28860
12	E Beyer Boulevard	Filoi Avenue	Center Street	5400	2700	6083	15287	225%	TRUE	15300	9900	183.3%	6.5%	395.4	6870	3000	17780
13	E Beyer Boulevard	Center Street	San Ysidro Boulevard	2800	1400	2768	7764	198%	FALSE	7800	5000	178.6%	6.4%	177.2	3120		6670
Park Avenue																	
14	W Park Avenue	W Seaward Avenue	W Hall Avenue	3500	1750	2163	6472	124%	FALSE	6500	3000	85.7%	3.1%	67.1	2300		3640
15	E Park Avenue	E Seaward Avenue	E Hall Avenue	3000	1500	1910	5672	127%	FALSE	5700	2700	90.0%	3.2%	61.1	2030		3250
Hall Avenue																	
16	E Hall Avenue	W Park Avenue	E Olive Drive	1100	1100	2197	1075	200%	TRUE	1100	0	0.0%	0.0%	70.3	2340		3740
San Ysidro Boulevard																	
21	San Ysidro Boulevard	E Beyer Boulevard	I-5 Ramps	9000	9000	14712	17527	163%	FALSE	17500	8500	94.4%	3.4%	500.2	15710		25720

Years from 2012 to 2040:	28
Years from 2018 to 2020:	2
Years from 2018 to 2040:	22

No.	Main Street	Main Dir.	Side Street	Side Dir.	Base Data				Main Growth	Side Street Growth					
					2012 TFIC Volumes Side Street N/E Approach	2012 TFIC Volumes Side Street S/W Approach	2040 Model Volumes Side Street N/E Approach	2040 Model Volumes Side Street S/W Approach	Mainline Per Year Growth Percentage	2012 to 2040 Total Volume Growth N/E Approach	2012 to 2040 Total Volume Growth S/W Approach	2012 to 2040 Percent Growth N/E Approach	2012 to 2040 Percent Growth S/W Approach	2012 to 2040 Percent Per Year Growth N/EApproach	2012 to 2040 Percent Per Year Growth S/W Approach
1	13th St.	N/S	SR-75 / Palm Ave.	E/W	25700	43300	28005	47958	2.0%	2305	4658	9.0%	10.76%	0.32%	0.38%
2	13th St.	N/S	Elm Ave.	E/W	2700	1600	3777	2727	0.1%	1077	1127	39.9%	70.44%	1.42%	2.52%
3	13th St.	N/S	Imperial Beach Blvd.	E/W	14600	11400	16373	13699	0.1%	1773	2299	12.1%	20.17%	0.43%	0.72%
4	13th St.	N/S	Grove Ave.	E/W	0	0	0	0	0.1%	0	0	30.8%	30.80%	1.10%	1.10%
5	Grove Ave.	E/W	14th St.	N/S	4100	4100	4567	4567	1.1%	467	467	11.4%	11.39%	0.41%	0.41%
6	Grove Ave.	E/W	15th St.	N/S	4100	4100	4567	4567	1.1%	467	467	11.4%	11.39%	0.41%	0.41%
7	Grove Ave. / Halo St.	E/W	Atwater St.	N/S	4100	4100	4567	4567	1.1%	467	467	11.4%	11.39%	0.41%	0.41%
8	Halo St.	E/W	Thermal St. / 17th St.	N/S	100	800	98	1038	1.1%	-2	238	-2.0%	29.75%	1.06%	1.06%
9	Grove Ave. / Halo St.	E/W	19th St.	N/S	1400	3700	1414	3324	1.1%	14	-376	1.0%	-10.16%	0.04%	0.04%
10	Grove Ave. / Ingrid Ave.	E/W	Green Bay St.	N/S	1400	3700	1414	3324	0.9%	14	-376	1.0%	-10.16%	0.04%	0.04%
11	Grove Ave. / Ingrid Ave.	E/W	Hollister St.	N/S	1600	7800	2815	10159	0.9%	1215	2359	75.9%	30.24%	2.71%	1.08%
12	Oro Vista Rd.	N/S	Iris Ave.	E/W	6100	8900	6892	9254	1.0%	792	354	13.0%	3.98%	0.46%	0.14%
13	Iris Ave.	E/W	25th St. / 27th St.	N/S	1200	3400	778	4476	1.0%	-422	1076	-35.2%	31.65%	1.13%	1.13%
14	Iris Ave.	E/W	Howard Ave.	N/S	4300	4300	4856	4856	1.0%	556	556	12.9%	12.93%	0.46%	0.46%
15	Beyer Blvd.	N/S	Iris Ave. / SR-905 WB Ramps	E/W	Intersections 15 and 16 determined through volume balancing - See Individual CSV Sheets.										
16	Beyer Blvd.	E/W	Dairy Mart Rd. / SR-905 EB Ramps	N/S											
17	Beyer Blvd.	E/W	Del Sur Blvd.	N/S	0	2800	0	4665	1.4%	0	1865	0%	66.61%	0.00%	2.38%
18	Beyer Blvd.	E/W	Smythe Ave. W	N/S	4600	0	6192	0	4.5%	1592	-0.00001	34.6%	-100.00%	1.24%	-3.57%
19	Beyer Blvd.	E/W	Smythe Ave. E	N/S	0	1300	0	3030	4.5%	0	1730	0.0%	133.08%	0.00%	4.75%
20	Beyer Blvd.	E/W	Caminitos De Los Niños	N/S	500	2200	1037	2477	4.5%	537	277	107.4%	12.59%	3.84%	0.45%
21	Beyer Blvd.	E/W	W Park Ave. / Alaquinas Dr.	N/S	2000	1200	3975	2152	4.5%	1975	952	98.8%	79.33%	3.53%	2.83%
22	W Park Ave.	N/S	Seaward Ave.	E/W	1900	500	4555	1075	3.1%	2655	575	139.7%	115.00%	4.99%	4.11%
23	E Park Ave.	N/S	Seaward Ave.	E/W	1900	500	4555	1075	3.2%	2655	575	139.7%	115.00%	4.99%	4.11%
24	W Park Ave.	N/S	Hall Ave.	E/W	1900	500	4555	1075	3.2%	2655	575	139.7%	115.00%	4.99%	4.11%
25	E Park Ave.	N/S	Hall Ave.	E/W	1900	500	4555	1075	3.2%	2655	575	139.7%	115.00%	4.99%	4.11%
26	E Beyer Blvd.	E/W	Center St.	N/S	3000	0	7417	0	6.5%	4417	0	147.2%	0.00%	5.26%	0.00%
31	E Beyer Blvd.	E/W	Bolton Hall Rd.	N/S	4000	0	4000	0	6.4%	0	0	0.0%	0.00%	0.00%	0.00%
35	San Ysidro Blvd.	E/W	E Beyer Blvd. / Camino de la Reina	N/S	9800	700	29360	3353	3.1%	19560	2653	199.6%	379.00%	7.13%	13.54%
36	San Ysidro Blvd.	E/W	E San Ysidro Blvd. / I-5 Northbound Ramps	N/S	9000	9000	17527	17527	3.4%	8527	8527	94.7%	94.74%	3.38%	3.38%

No.	Main Street	Main Dir.	Side Street	Side Dir.	Total Growth by Approach			
					Northbound Per Year Growth Percent	Southbound Per Year Growth Percent	Eastbound Per Year Growth Percent	Westbound Per Year Growth Percent
1	13th St.	N/S	SR-75 / Palm Ave.	E/W	2.00%	2.00%	0.32%	0.38%
2	13th St.	N/S	Elm Ave.	E/W	0.10%	0.10%	1.42%	2.52%
3	13th St.	N/S	Imperial Beach Blvd.	E/W	0.10%	0.10%	0.43%	0.72%
4	13th St.	N/S	Grove Ave.	E/W	0.10%	0.10%	1.10%	1.10%
5	Grove Ave.	E/W	14th St.	N/S	0.41%	0.41%	1.10%	1.10%
6	Grove Ave.	E/W	15th St.	N/S	0.41%	0.41%	1.10%	1.10%
7	Grove Ave. / Halo St.	E/W	Atwater St.	N/S	0.41%	0.41%	1.10%	1.10%
8	Halo St.	E/W	Thermal St. / 17th St.	N/S	1.06%	1.06%	1.10%	1.10%
9	Grove Ave. / Halo St.	E/W	19th St.	N/S	0.04%	0.04%	1.10%	1.10%
10	Grove Ave. / Ingrid Ave.	E/W	Green Bay St.	N/S	0.04%	0.04%	0.90%	0.90%
11	Grove Ave. / Ingrid Ave.	E/W	Hollister St.	N/S	2.71%	1.08%	0.90%	0.90%
12	Oro Vista Rd.	N/S	Iris Ave.	E/W	1.00%	1.00%	0.46%	0.14%
13	Iris Ave.	E/W	25th St. / 27th St.	N/S	1.13%	1.13%	1.00%	1.00%
14	Iris Ave.	E/W	Howard Ave.	N/S	0.46%	0.46%	1.00%	1.00%
15	Beyer Blvd.	N/S	Iris Ave. / SR-905 WB Ramps	E/W	Intersections 15 and 16 determined through volume balancing - See Individual CSV Sheets.			
16	Beyer Blvd.	E/W	Dairy Mart Rd. / SR-905 EB Ramps	N/S				
17	Beyer Blvd.	E/W	Del Sur Blvd.	N/S	0.00%	2.38%	1.40%	1.40%
18	Beyer Blvd.	E/W	Smythe Ave. W	N/S	1.24%	-3.57%	4.50%	4.50%
19	Beyer Blvd.	E/W	Smythe Ave. E	N/S	0.00%	4.75%	4.50%	4.50%
20	Beyer Blvd.	E/W	Caminitos De Los Niños	N/S	3.84%	0.45%	4.50%	4.50%
21	Beyer Blvd.	E/W	W Park Ave. / Alaquinas Dr.	N/S	3.53%	2.83%	4.50%	4.50%
22	W Park Ave.	N/S	Seaward Ave.	E/W	3.10%	3.10%	4.99%	4.11%
23	E Park Ave.	N/S	Seaward Ave.	E/W	3.20%	3.20%	4.99%	4.11%
24	W Park Ave.	N/S	Hall Ave.	E/W	3.20%	3.20%	4.99%	4.11%
25	E Park Ave.	N/S	Hall Ave.	E/W	3.20%	3.20%	4.99%	4.11%
26	E Beyer Blvd.	E/W	Center St.	N/S	5.26%	0.00%	6.50%	6.50%
31	E Beyer Blvd.	E/W	Bolton Hall Rd.	N/S	0.00%	0.00%	6.40%	6.40%
35	San Ysidro Blvd.	E/W	E Beyer Blvd. / Camino de la Reina	N/S	7.13%	13.54%	3.10%	3.10%
36	San Ysidro Blvd.	E/W	E San Ysidro Blvd. / I-5 Northbound Ramps	N/S	3.38%	3.38%	3.40%	3.40%

Volume Growth for Caltrans Interchanges

Turning Movement Count
60 Minute Counts

DATE	TIME	INTID	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
4/27/2018	1700	15	1.259286	1.172857	1.652143	1.652143	1.172857	1.172857	1.259286	1.652143	1.259286	1.275	1.275	1.275
4/27/2018	1700	16	1.094286	1.267143	1.094286	1.102143	1.102143	1.102143	1.267143	1.204286	1.094286	1.204286	1.204286	1.267143

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	188	24	74	0	209	44	18	0	17	747	76	61	1704	79	0	0	0	0
2	20	270	25	0	27	215	9	0	15	62	20	47	54	47	0	0	0	0
3	151	199	93	0	120	116	23	0	39	614	81	65	631	90	0	0	0	0
4	36	283	5	0	18	271	12	0	14	11	13	9	24	101	0	0	0	0
5	4	32	4	0	5	22	5	0	9	55	2	2	111	1	0	0	0	0
6	12	59	38	0	10	66	9	0	11	64	7	20	90	7	0	0	0	0
7	13	12	3	0	16	13	2	0	2	112	4	4	102	7	0	0	0	0
8	4	79	18	0	96	62	36	0	34	113	11	24	75	110	0	0	0	0
9	36	240	32	0	45	156	97	0	130	62	27	24	90	168	0	0	0	0
10	44	136	105	0	52	100	26	0	21	91	23	40	107	105	0	0	0	0
11	26	351	111	0	41	286	57	0	117	53	18	150	117	111	0	0	0	0
12	0	0	0	0	142	0	107	0	127	223	0	0	298	137	0	0	0	0
13	0	0	0	56	73	0	97	17	153	195	0	0	266	26	129	58	84	8
14	81	8	227	0	7	3	4	0	1	188	54	118	136	13	0	0	0	0
15	100	280	120	0	60	370	70	0	95	90	210	170	180	165	0	0	0	0
16	170	170	65	0	70	20	95	0	275	260	220	25	250	80	0	0	0	0
17	0	0	0	0	88	0	68	0	50	224	0	0	220	101	0	0	0	0
18	64	0	266	0	0	0	0	0	0	263	71	290	249	0	0	0	0	0
19	0	0	0	0	320	0	291	0	231	319	0	0	249	211	0	0	0	0
20	14	2	22	0	1	0	9	0	47	486	4	19	421	12	0	0	0	0
21	109	70	106	0	70	64	52	0	74	340	107	75	271	65	0	0	0	0
22	0	0	0	0	10	170	65	0	85	2	5	17	64	207	0	0	0	0
23	267	0	5	0	0	0	0	0	0	11	0	0	23	0	0	0	0	0
24	0	0	0	0	88	106	16	0	0	52	12	6	23	0	0	0	0	0
25	12	167	12	0	0	0	0	0	40	101	0	0	15	69	0	0	0	0
26	233	4	12	0	0	12	6	0	1	78	270	21	46	0	0	0	0	0
31	5	0	2	0	0	0	0	0	0	70	37	2	50	0	0	0	0	0
35	129	31	308	0	17	34	27	0	3	91	161	95	86	7	0	0	0	0
36	123	7	0	0	0	60	44	0	111	38	247	10	21	4	0	0	0	0
2020 AM																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	118	49	82	0	212	99	49	0	36	1318	247	146	1071	133	0	0	0	0
2	19	223	26	0	74	343	11	0	14	107	30	38	58	40	0	0	0	0
3	100	155	104	0	174	193	45	0	33	632	91	91	591	79	0	0	0	0
4	9	274	6	0	32	310	17	0	13	6	18	5	5	40	0	0	0	0
5	1	32	4	0	4	36	6	0	4	31	11	5	42	5	0	0	0	0
6	4	41	12	0	2	69	17	0	2	24	6	18	43	4	0	0	0	0
7	4	6	1	0	2	21	3	0	1	47	1	3	58	4	0	0	0	0
8	15	51	4	0	41	103	11	0	10	43	6	10	60	30	0	0	0	0
9	15	249	45	0	56	186	46	0	27	52	27	34	60	63	0	0	0	0
10	18	46	18	0	38	59	24	0	7	92	12	11	80	30	0	0	0	0
11	39	198	31	0	116	264	38	0	75	78	18	35	67	81	0	0	0	0
12	0	0	0	0	95	0	110	0	114	220	0	0	250	86	0	0	0	0
13	0	0	0	15	53	0	52	20	67	232	0	0	198	18	82	59	89	8
14	66	6	141	0	5	12	4	0	0	134	56	143	207	24	0	0	0	0
15	100	375	110	0	105	555	110	0	75	90	215	255	175	235	0	0	0	0
16	185	135	60	0	50	45	125	0	235	285	495	45	260	90	0	0	0	0
17	0	0	0	0	76	0	87	0	52	302	0	0	224	72	0	0	0	0
18	78	0	156	0	0	0	0	0	0	295	132	246	199	0	0	0	0	0
19	0	0	0	0	270	0	231	0	132	318	0	0	214	161	0	0	0	0
20	54	1	24	0	1	1	16	0	9	546	4	9	245	2	0	0	0	0
21	73	48	29	0	49	41	35	0	65	324	134	22	148	34	0	0	0	0
22	0	0	0	0	8	155	23	0	40	8	13	25	22	114	0	0	0	0
23	135	0	7	0	0	0	0	0	0	14	0	0	16	0	0	0	0	0
24	0	0	0	0	87	72	28	0	0	47	9	14	28	0	0	0	0	0
25	16	77	13	0	0	0	0	0	24	113	0	0	25	44	0	0	0	0
26	170	11	50	0	6	8	6	0	9	155	125	34	43	1	0	0	0	0
31	18	0	9	0	0	0	0	0	0	173	46	9	71	0	0	0	0	0
35	201	53	378	0	81	95	57	0	19	215	457	82	122	18	0	0	0	0
36	132	22	0	0	1	95	58	0	178	22	457	6	18	1	0	0	0	0
2020 PM																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	261	33	102	0	289	60	24	0	18	794	81	66	1834	85	0	0	0	0
2	20	275	26	0	28	220	9	0	20	79	25	70	79	70	0	0	0	0
3	154	203	95	0	123	119	24	0	43	667	88	74	721	103	0	0	0	0
4	37	288	5	0	18	276	12	0	17	14	16	11	29	123	0	0	0	0
5	4	35	4	0	5	24	5	0	11	67	2	2	135	1	0	0	0	0
6	13	64	41	0	11	71	10	0	14	78	9	25	109	9	0	0	0	0
7	14	13	3	0	17	14	2	0	2	137	5	5	124	9	0	0	0	0
8	5	95	22	0	116	75	43	0	41	138	14	29	91	134	0	0	0	0
9	36	242	32	0	45	157	98	0	158	76	32	29	109	204	0	0	0	0
10	44	137	106	0	52	101	26	0	25	107	28	47	126	123	0	0	0	0
11	40	532	168	0	50	347	69	0	138	62	22	176	138	131	0	0	0	0
12	0	0	0	0	170	0	128	0	139	244	0	0	306	141	0	0	0	0
13	0	0	0	69	89	0	119	21	183	233	0	0	318	31	157	71	102	10
14	88	9	248	0	8	3	4	0	1	224	65	142	162	16	0	0	0	0
15	115	315	175	0	95	430	85	0	115	140	260	215	220	205	0	0	0	0
16	185	210	70	0	75	20	100	0	340	305	235	30	295	100	0	0	0	0
17	0	0	0	0	128	0	99	0	64	285	0	0	280	128	0	0	0	0
18	79	0	331	0	0	0	0	0	0	480	129	529	454	0	0	0	0	0
19	0	0	0	0	597	0	544	0	422	583	0	0	454	386	0	0	0	0
20	24	4	37	0	1	0	10	0	86	888	8	34	768	22	0	0	0	0
21	181	115	176	0	107	99	80	0	135	621	195	137	496	119	0	0	0	0
22	0	0	0	0	15	269	103	0	162	4	10	30	112	364	0	0	0	0
23	428	0	9	0	0	0	0	0	0	21	0	0	40	0	0	0	0	0
24	0	0	0	0	141	170	26	0	0	99	23	11	40	0	0	0	0	0
25	19	268	19	0	0	0	0	0	76	193	0	0	27	122	0	0	0	0
26	455	9	24	0	0	12	6	0	2	168	581	46	100	0	0	0	0	0
31	5	0	2	0	0	0	0	0	0	149	79	5	106	0	0	0	0	0
35	290	69	693	0	52	107	84	0	5	145	256	150	136	12	0	0	0	0
36	201	12	0	0	0	98	72	0	182	63	404	16	35	7	0	0	0	0
2040 AM																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18										25			25					
19					250					25			25	125				
20			50		25					300		50	225	25				
21										400			325					
22																		
23																		
24																		
25																		
26	100									25	100		25					
31																		
35																		
36																		
Based on Adjustments due to addition of Beyer Blvd into Otay Mesa that was missing from the Series 13 Model																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	261	33	102	0	289	60	24	0	18	794	81	66	1834	85	0	0	0	0
2	20	275	26	0	28	220	9	0	20	79	25	70	79	70	0	0	0	0
3	154	203	95	0	123	119	24	0	43	667	88	74	721	103	0	0	0	0
4	37	288	5	0	18	276	12	0	17	14	16	11	29	123	0	0	0	0
5	4	35	4	0	5	24	5	0	11	67	2	2	135	1	0	0	0	0
6	13	64	41	0	11	71	10	0	14	78	9	25	109	9	0	0	0	0
7	14	13	3	0	17	14	2	0	2	137	5	5	124	9	0	0	0	0
8	5	95	22	0	116	75	43	0	41	138	14	29	91	134	0	0	0	0
9	36	242	32	0	45	157	98	0	158	76	32	29	109	204	0	0	0	0
10	44	137	106	0	52	101	26	0	25	107	28	47	126	123	0	0	0	0
11	40	532	168	0	50	347	69	0	138	62	22	176	138	131	0	0	0	0
12	0	0	0	0	170	0	128	0	139	244	0	0	306	141	0	0	0	0
13	0	0	0	69	89	0	119	21	183	233	0	0	318	31	157	71	102	10
14	88	9	248	0	8	3	4	0	1	224	65	142	162	16	0	0	0	0
15	115	315	175	0	95	430	85	0	115	140	260	215	220	205	0	0	0	0
16	185	210	70	0	75	20	100	0	340	305	235	30	295	100	0	0	0	0
17	0	0	0	0	128	0	99	0	64	285	0	0	280	128	0	0	0	0
18	79	0	331	0	0	0	0	0	0	505	129	529	479	0	0	0	0	0
19	0	0	0	0	847	0	544	0	422	608	0	0	479	511	0	0	0	0
20	24	4	87	0	26	0	10	0	86	1188	8	84	993	47	0	0	0	0
21	181	115	176	0	107	99	80	0	135	1021	195	137	821	119	0	0	0	0
22	0	0	0	0	15	269	103	0	162	4	10	30	112	364	0	0	0	0
23	428	0	9	0	0	0	0	0	0	21	0	0	40	0	0	0	0	0
24	0	0	0	0	141	170	26	0	0	99	23	11	40	0	0	0	0	0
25	19	268	19	0	0	0	0	0	76	193	0	0	27	122	0	0	0	0
26	555	9	24	0	0	12	6	0	2	193	681	46	125	0	0	0	0	0
31	5	0	2	0	0	0	0	0	0	149	79	5	106	0	0	0	0	0
35	290	69	693	0	52	107	84	0	5	145	256	150	136	12	0	0	0	0
36	201	12	0	0	0	98	72	0	182	63	404	16	35	7	0	0	0	0
2040 AM Final																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	163	68	114	0	294	137	68	0	39	1402	262	157	1153	143	0	0	0	0
2	19	228	27	0	76	350	11	0	18	137	38	56	85	59	0	0	0	0
3	102	158	106	0	178	197	46	0	36	687	99	104	675	90	0	0	0	0
4	9	279	6	0	33	316	17	0	16	7	22	6	6	48	0	0	0	0
5	1	35	4	0	4	39	7	0	5	37	14	6	51	6	0	0	0	0
6	4	45	13	0	2	74	19	0	2	29	7	22	52	5	0	0	0	0
7	4	7	1	0	2	23	3	0	1	57	1	4	71	5	0	0	0	0
8	19	62	5	0	49	125	14	0	12	52	7	12	73	36	0	0	0	0
9	15	251	45	0	56	187	46	0	32	63	32	41	73	77	0	0	0	0
10	18	46	18	0	38	59	24	0	8	108	14	13	95	35	0	0	0	0
11	59	300	46	0	141	319	46	0	89	92	22	41	79	96	0	0	0	0
12	0	0	0	0	113	0	132	0	125	240	0	0	257	89	0	0	0	0
13	0	0	0	19	65	0	64	24	81	277	0	0	237	22	100	72	109	10
14	72	7	154	0	6	13	4	0	0	160	67	171	248	29	0	0	0	0
15	115	405	170	0	165	615	130	0	95	140	265	315	220	290	0	0	0	0
16	200	170	65	0	55	50	150	0	290	340	540	50	315	110	0	0	0	0
17	0	0	0	0	111	0	126	0	67	385	0	0	285	92	0	0	0	0
18	97	0	193	0	0	0	0	0	0	539	241	450	364	0	0	0	0	0
19	0	0	0	0	505	0	432	0	241	581	0	0	390	295	0	0	0	0
20	92	2	41	0	1	1	18	0	16	997	8	16	448	4	0	0	0	0
21	121	80	48	0	75	63	54	0	119	591	245	40	271	62	0	0	0	0
22	0	0	0	0	13	246	37	0	76	15	25	44	38	200	0	0	0	0
23	216	0	12	0	0	0	0	0	0	27	0	0	29	0	0	0	0	0
24	0	0	0	0	140	116	44	0	0	90	17	25	49	0	0	0	0	0
25	26	123	20	0	0	0	0	0	46	216	0	0	44	78	0	0	0	0
26	332	22	97	0	6	8	6	0	19	333	270	73	92	2	0	0	0	0
31	18	0	9	0	0	0	0	0	0	368	99	19	152	0	0	0	0	0
35	452	118	850	0	255	298	179	0	30	340	723	130	193	29	0	0	0	0
36	216	37	0	0	2	155	94	0	292	37	748	10	30	2	0	0	0	0
2040 PM																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18										25			25					
19					300					25			25	75				
20			50		25					350		50	175	25				
21										450			275					
22																		
23																		
24																		
25																		
26	125									25	75		25					
31																		
35																		
36																		
Based on Adjustments due to addition of Beyer Blvd into Otay Mesa that was missing from the Series 13 Model																		

No.	NBL	NBT	NBR	SBL2	SBL	SBT	SBR	EBL2	EBL	EBT	EBR	WBL	WBT	WBR	WBR2	SWL	SWR	SWR2
1	163	68	114	0	294	137	68	0	39	1402	262	157	1153	143	0	0	0	0
2	19	228	27	0	76	350	11	0	18	137	38	56	85	59	0	0	0	0
3	102	158	106	0	178	197	46	0	36	687	99	104	675	90	0	0	0	0
4	9	279	6	0	33	316	17	0	16	7	22	6	6	48	0	0	0	0
5	1	35	4	0	4	39	7	0	5	37	14	6	51	6	0	0	0	0
6	4	45	13	0	2	74	19	0	2	29	7	22	52	5	0	0	0	0
7	4	7	1	0	2	23	3	0	1	57	1	4	71	5	0	0	0	0
8	19	62	5	0	49	125	14	0	12	52	7	12	73	36	0	0	0	0
9	15	251	45	0	56	187	46	0	32	63	32	41	73	77	0	0	0	0
10	18	46	18	0	38	59	24	0	8	108	14	13	95	35	0	0	0	0
11	59	300	46	0	141	319	46	0	89	92	22	41	79	96	0	0	0	0
12	0	0	0	0	113	0	132	0	125	240	0	0	257	89	0	0	0	0
13	0	0	0	19	65	0	64	24	81	277	0	0	237	22	100	72	109	10
14	72	7	154	0	6	13	4	0	0	160	67	171	248	29	0	0	0	0
15	115	405	170	0	165	615	130	0	95	140	265	315	220	290	0	0	0	0
16	200	170	65	0	55	50	150	0	290	340	540	50	315	110	0	0	0	0
17	0	0	0	0	111	0	126	0	67	385	0	0	285	92	0	0	0	0
18	97	0	193	0	0	0	0	0	0	564	241	450	389	0	0	0	0	0
19	0	0	0	0	805	0	432	0	241	606	0	0	415	370	0	0	0	0
20	92	2	91	0	26	1	18	0	16	1347	8	66	623	29	0	0	0	0
21	121	80	48	0	75	63	54	0	119	1041	245	40	546	62	0	0	0	0
22	0	0	0	0	13	246	37	0	76	15	25	44	38	200	0	0	0	0
23	216	0	12	0	0	0	0	0	0	27	0	0	29	0	0	0	0	0
24	0	0	0	0	140	116	44	0	0	90	17	25	49	0	0	0	0	0
25	26	123	20	0	0	0	0	0	46	216	0	0	44	78	0	0	0	0
26	457	22	97	0	6	8	6	0	19	358	345	73	117	2	0	0	0	0
31	18	0	9	0	0	0	0	0	0	368	99	19	152	0	0	0	0	0
35	452	118	850	0	255	298	179	0	30	340	723	130	193	29	0	0	0	0
36	216	37	0	0	2	155	94	0	292	37	748	10	30	2	0	0	0	0
2040 PM Final																		

APPENDIX

E SIGNAL TIMING PLANS

LOCATION: **RTE 75 13th. Street**
CALTRANS C8 Version 3
F PAGE

DATE: 07/26/17

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	7	7	1	7	1	1	CLK RST
1	DONT WALK	1	15	33	33	1	18	1	1	
2	MIN GREEN	10	10	11	11	10	10	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	7.3	2.0	2.0	2.0	7.0	0.9	0.9	
6	MAX GAP	2.0	9.3	2.0	2.0	2.0	9.0	0.9	0.9	
7	MIN GAP	2.0	3.0	2.0	2.0	2.0	3.0	0.9	0.9	
8	MAX EXT	15	50	25	25	20	50	9	9	
9	MAX 2			21	21	15				YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	DOW
D	EVERY	1.0	0.4	1.0	1.0	1.0	0.4	1.0	1.0	HR
E	YELLOW	3.7	4.4	4.1	4.1	3.7	4.4	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	SEC
3.5'	PED XING FT		67'	130'	129'		77'			
	BIKE XING FT	122'	86'	145'	145'	116'	86'			

MPH = 40

PRE-EMPTION E		
EV SEL	0	
RR1 CLR	5	
EVA DLY	0	
EVA CLR	5	
EVB DLY	0	
EVB CLR	5	
EVC DLY	0	
EVC CLR	5	
EVD DLY	0	
EVD CLR	5	
MAX EV	255	
RR2 CLR	5	

F

FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6			0
RED LOCK	1		3		5				1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2	3	4		6			5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES			3	4	5				9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE				4					F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 75 13th. Street**

CALTRANS C8 Version 3 DATE: 9/27/13

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH			180												LAG FZ FREE		2	3			6		8	0
1	FZ1 GRN FCTR			20										GAPOUT CP1		LAG FZ CP 1									1
2														GAPOUT CP2		LAG FZ CP 2									2
3	FZ3 GRN FCTR			31										GAPOUT CP3	1	LAG FZ CP 3		2	3		5			8	3
4	FZ4 GRN FCTR			31							PERM TIME			GAPOUT CP4		LAG FZ CP 4									4
5	FZ5 GRN FCTR			20							LAG OFFSET			GAPOUT CP5		LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6		LAG FZ CP 6									6
7	FZ7 GRN FCTR			0							LONG GRN			GAPOUT CP7		LAG FZ CP 7									7
8	FZ8 GRN FCTR			0							NO GREEN			GAPOUT CP8		LAG FZ CP 8									8
9	MULTI CYCLE			0										GAPOUT CP9		LAG FZ CP 9									9
A	OFFSET A			154							OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		2				6			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRPT																								F
																	1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
7th Delaware

FEATURE

	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION

	OFF	ON
1		1
2	2	
3		4
4	8	
5	16	
6	32	
7		
8		

COO = 5

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 75 13th. Street**

CALTRANS C8 Version 3 DATE: 9/27/10

D PAGE

	D MAX	FLAGS 1	2	3	4	5	6	7	8	E MIN	FLAGS 1	2	3	4	5	6	7	8	F PED	FLAGS 1	2	3	4	5	6	7	8
0	RCL									RCL									RCL							
1	CP 1									CP 1									CP 1							
2	CP 2									CP 2									CP 2							
3	CP 3									CP 3				4					CP 3							
4	CP 4									CP 4									CP 4							
5	CP 5									CP 5									CP 5							
6	CP 6									CP 6									CP 6							
7	CP 7									CP 7									CP 7							
8	CP 8									CP 8									CP 8							
9	CP 9									CP 9									CP 9							
A																			RCL 1							
B																			RCL 2							
C																										
D																										
E																										
F																										
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E FUNCTION	FLAGS 1	2	3	4	5	6	7	8	F FUNCTION	FLAGS 1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED			3						8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES

(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES

(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 75 13th. Street**
CALTRANS C8 Version 3 DATE: 12/12/12
7 PAGE

9 PAGE **C09 = 0 or 1**

9 PAGE **C09 = 2**

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	29	2	ON/		2	3	4	5	6	
1	08	01	2		1	2	3	4	5	6	7
2	14	29	2	ON/		2	3	4	5	6	
3	17	33	2		1	2	3	4	5	6	7
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	30	3	A		2	3	4	5	6	
1	08	00	E	A	1	2	3	4	5	6	7
2	14	30	3	A		2	3	4	5	6	
3	17	32	E	A	1	2	3	4	5	6	7
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

CONTROL PLAN TIME OF DAY

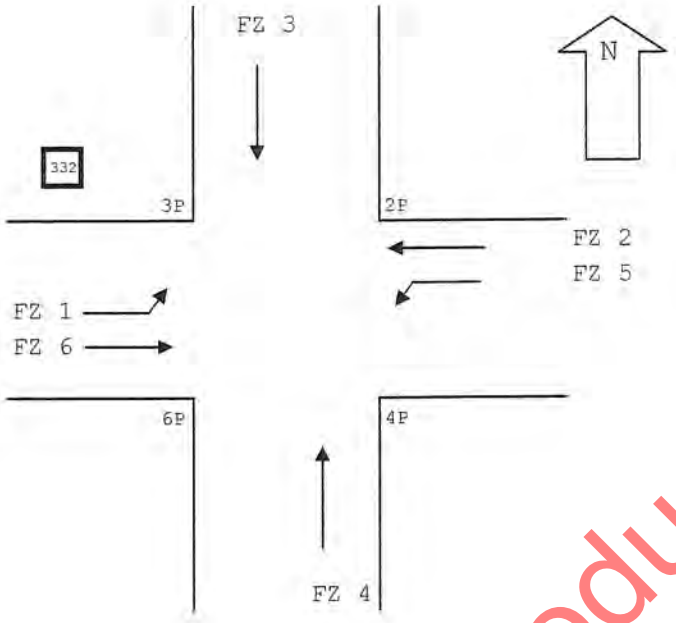
9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

DATE: 9/27/2010

LOCATION: **RTE 75 @ 13th Street**

CONFLICT MONITOR PROGRAM



INTERSECTION: Grove Av & Hollister St

233 Program

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S Street: **Hollister St**
E/W Street: **Grove Av**

Last Database Change:

Timing sheets by: **CN**
Approved by: JMV
Timing implemented on: 6/7/2018

		Hollister St		Ingrid Av		Hollister St		Grove Av	
		Phase							
	Phase Numbers---->	1	2	3	4	5	6	7	8
Row			↑		→		↓		←
0	Ped Walk		7		7		7		7
1	Ped FDW		10		14		14		20
2	Min Green		7		4		7		4
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension		3.2		3.8		3.2		3.8
6	Max Gap		3.2		3.8		3.2		3.8
7	Min Gap		0.2		0.2		0.2		0.2
8	Max Limit		60		40		60		40
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every		1.0		0.8		1.0		0.8
E	Yellow Change		3.9		3.9		3.9		3.9
F	Red Clear		1.0		1.0		1.0		1.0

Phase Timing - Bank 1 **<F/1+Phase+Row>**

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	- - -
	View EV Clear	- - -
	View RR Delay	- - -
	View RR Clear	- - -

Preempt Timing **<F/1+E+Row>**

Row		F
0	Permit	_2_4_6_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	*View Set Peds*	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Double Entry	___4___8
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	_2___6__
F	First Phases	___4___8

Phase Functions **<F/1+F+Row>**

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	- - -	- - -	- - -	- - -	- - -
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing **<F/1+Column+Phase>**

Drop Number	13	**<C/0+0+0>**
Zone Number	13	**<C/0+0+1>**
Area Number	7	**<C/0+0+2>**
Area Address	18	**<C/0+0+3>**
QuicNet Channel	COM67	(QuicNet)

Communication Addresses

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	**<F/1+0+0>**
Exclusive FDW	0	**<F/1+0+1>**
All Red Clear	0.0	**<F/1+0+2>**

Exclusive Ped Phase

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Flash Start	0	**<F/1+0+E>**
Red Revert	5.0	**<F/1+0+F>**
All Red Start	0.0	**<F/1+C+0>**
FYA Red Revert	0.0	**<F/1+0+5>**
OVLP CHG R	0.0	**<F/1+0+3>**

Start / Revert Times

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Manual Plan	14	**<C/0+A+1>**
Manual Offset	0	**<C/0+B+1>**

Manual Selection

Free Lag	_2_4_6_8	**<C/1+F+0>**

How to Set Page Access Code:
F/1 -- C + 0 + F = 1
F + 9 + E = 1

Notes: 37883-3-D

INTERSECTION: Grove Av & Hollister St

Row	Column Numbers ---->	Overlap 1	2	3	4	5	6	7	8	Row
	Overlap Name ----->									
0	Load Switch Number									0
1	Veh Set 1 - Phases									1
2	Veh Set 2 - Phases									2
3	Veh Set 3 - Phases									3
4	Neg Veh Phases									4
5	Neg Ped Phases									5
6	Green Omit Phases									6
7	Green Clear Omit Phs.									7
8	Overlap Recall									8
9	Queue Jump Phase									9
A	Queue Jump Time									A
B	Minimum Green									B
C	Maximum Green									C
D	Green Clear									D
E	Yellow Change									E
F	Red Clear									F

Overlap Assignments <E/29+Column+Row>

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = Solid FDW on EV
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

Extra 2 Flags
1 = AWB During Initial
2 = Reserved
3 = Disable Min Walk
4 = QuicNet System
5 = Ignore P/P on EV
6 = Manual Hold in FDW
7 = Allow QuicNet PE
8 = Flash Grn B4 Yellow

	C	Row
EV-A	0	0
EV-B	0	1
EV-C	0	2
EV-D	0	3
RR-1 *	- - -	4
RR-2 *	- - -	5
SE-1	0	6
SE-2	0	7

Preempt Priority <E/125+C+Row>

(* RR-1 is always Highest, and RR-2 is always Second Highest)

Row	Column Numbers ---->	E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2 6
B	EV-B Phases	4 8
C	EV-C Phases	2 6
D	EV-D Phases	4 8
E	Extra 1 Config. Bits	1 34
F	IC Select (Interconnect)	2

Configuration <E/125+E+Row>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	3

Configuration <E/125+F+Row>

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	12345678
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	2 4 6 8
Start-up Ped Calls	2 4 6 8

Specials <F/2+F+Row>

Flash to PE & PE Non-Lock
1 = EV A
2 = EV B
3 = EV C
4 = EV D
5 = RR 1
6 = RR 2
7 = SE 1
8 = SE 2

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 =
5 =
6 = Simplex Master
7 =
8 = Offset Interrupter

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8

Coordination Transition Minimums <C/5+2+Row>

INTERSECTION: Grove Av & Hollister St

Column Numbers ---->	0	1	2	3	1	3
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0	2I2U	39	___45_7_	_2_____	123_____		**1.8**
1	6J2U	40	___45_7_	_____6__	123_____		**1.8**
2	4I6U	41	___45_7_	___4____	123_____		**1.8**
3	8J6U	42	___45_7_	_______8	123_____		**1.8**
4	2I2L	43	___45_7_	_2_____	123_____		
5	6J2L	44	___45_7_	_____6__	123_____		**1.8**
6	4I6L	45	___45_7_	___4____	123_____		
7	8J6L	46	___45_7_	_______8	123_____		
8	2I4	47	_____67_	_2_____	123_____		
9	6J4	48	_____67_	_____6__	123_____		
A	4I8	49	_____67_	___4____	123_____		
B	8J8	50	_____67_	_______8	123_____		
C	5J1U	55	___45_7_	____5___	123_____		
D	1I1U	56	___45_7_	1_____	123_____		
E	7J5	57	___45_7_	_____7_	123_____		
F	3I5	58	___45_7_	__3_____	123_____		

	4	5	6	7	2	4
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0	5J9U	59	___45_7_	____5___	123_____		
1	1I9U	60	___45_7_	1_____	123_____		
2	7J9L	61	___45_7_	_____7_	123_____		
3	3I9L	62	___45_7_	__3_____	123_____		
4	2I3U	63	___45_7_	_2_____	123_____		
5	6J3U	64	___45_7_	_____6__	123_____		
6	4I7U	65	___45_7_	___4____	123_____		
7	8J7U	66	___45_7_	_______8	123_____		
8	2 PPB	67	_2_____	_2_____	123_____		
9	6 PPB	68	_2_____	_____6__	123_____		
A	4 PPB	69	_2_____	___4____	123_____		
B	8 PPB	70	_2_____	__**3**_____	123_____		
C	2I3L	76	___45_7_	_2_____	123_____		
D	6J3L	77	___45_7_	_____6__	123_____		
E	4I7L	78	___45_7_	___4____	123_____		
F	8J7L	79	___45_7_	_______8	123_____		

Detector Assignments <E/126+Column+Row> **<D/0+Column+Row>**

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 = Overlap
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

Grove Av

Column Numbers ---->	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	**0**	**<E/125+D+0>**

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	**20**	<D/0+0+1>
Max ON (minutes)	**60**	<D/0+0+2>
Chatter Fail Time	**0**	<D/0+0+4>

Detector Failure Monitor

	B	Row
One-Shot	**0**	8
Ext. Timer	**0**	9
DELAY-A	**0**	A
DELAY-B	**0**	B
DELAY-C	**0**	C
DELAY-D	**0**	D
DELAY-E	**0**	E
DELAY-F	**0**	F

Delay Logic Times
<D/0+B+Row> **(seconds)**

Row	Column 8		Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	One-Shot Timer		Latch 1 Set		NOT-3		Max 2		Pretimed		Set Monday		Dial 2 (7-Wire)		Sim Term	0	0
1	AND-5 (a)		Latch 1 Reset		NOT-4		Reserved		Plan 1		Ext. Perm 1		Dial 3 (7-Wire)		EV-A	71	1
2	AND-5 (b)		Latch 2 Set		OR-4 (a)		Reserved		Plan 2		Ext. Perm 2		Offset 1 (7-Wire)		EV-B	72	2
3	AND-6 (a)		Latch 2 Reset		OR-4 (b)		Reserved		Plan 3		Gate Down		Offset 2 (7-Wire)		EV-C	73	3
4	AND-6 (b)		NAND-3 (a)		OR-5 (a)		Reserved		Plan 4		Set Clock		Offset 3 (7-Wire)		EV-D	74	4
5	Reserved		NAND-3 (b)		OR-5 (b)		Reserved		Plan 5		Stop Time	82	Free (7-Wire)		RR-1	51	5
6	Reserved		NAND-4 (a)		OR-6 (a)		Reserved		Plan 6		Flash Sense	81	Flash (7-Wire)		RR-2	52	6
7	Reserved		NAND-4 (b)		OR-6 (b)		Reserved		Plan 7		Manual Enable		Excl. Ped Omit		Spec. Event 1		7
8	Spec. Funct. 1		OR-7 (a)		EXTMR		Reserved		Plan 8		Man. Advance		NOT-1		Spec. Event 2		8
9	Spec. Funct. 2		OR-7 (b)		Reserved		Max Inhibit (nema)		Plan 9		External Alarm		NOT-2		External Lag		9
A	Spec. Funct. 3		OR-7 (c)		AND-4 (a)		Force A (nema)		DELAY-A		Phase Bank 2		OR-1 (a)		AND-1 (a)		A
B	Spec. Funct. 4		OR-7 (d)		AND-4 (b)		Force B (nema)		DELAY-B		Phase Bank 3		OR-1 (b)		AND-1 (b)		B
C	Reserved		OR-8 (a)		NAND-1 (a)		C.N.A. (nema)		DELAY-C		Overlap Set 2		OR-2 (a)		AND-2 (a)		C
D	Reserved		OR-8 (b)		NAND-1 (b)		Hold (nema)		DELAY-D		Overlap Set 3		OR-2 (b)		AND-2 (b)		D
E	Reserved		OR-8 (c)		NAND-2 (a)		Max Recall		DELAY-E		Detector Set 2		OR-3 (a)		AND-3 (a)		E
F	Reserved		OR-8 (d)		NAND-2 (b)		Min Recall		DELAY-F		Detector Set 3		OR-3 (b)		AND-3 (b)		F

Assignable Inputs <E/126+Column+Row>

Row	Column 8		Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Reserved		Phase ON - 1		Preempt Fail		Flasher 0		Free		NOT-1		TOD Out 1		Dial 2 (7-Wire)		0
1	Reserved		Phase ON - 2		Sp Evnt Out 1		Flasher 1		Plan 1		OR-1		TOD Out 2		Dial 3 (7-Wire)		1
2	Reserved		Phase ON - 3		Sp Evnt Out 2		Fast Flasher		Plan 2		OR-2		TOD Out 3		Offset 1 (7-Wire)		2
3	Reserved		Phase ON - 4		Sp Evnt Out 3		EXTMR		Plan 3		OR-3		TOD Out 4		Offset 2 (7-Wire)		3
4	Reserved		Phase ON - 5		Sp Evnt Out 4		One-Shot Timer		Plan 4		AND-1		TOD Out 5		Offset 3 (7-Wire)		4
5	Reserved		Phase ON - 6		Sp Evnt Out 5		Reserved		Plan 5		AND-2		TOD Out 6		Free (7-Wire)		5
6	Reserved		Phase ON - 7		Sp Evnt Out 6		Latch 1		Plan 6		AND-3		TOD Out 7		Flash (7-Wire)		6
7	Reserved		Phase ON - 8		Sp Evnt Out 7		Latch 2		Plan 7		NOT-2		TOD Out 8		Preempt		7
8	Flh Yell Arrow 1		Ph. Check - 1		Sp Evnt Out 8		NOT-3		Plan 8		EV-A		Adv. Warn - 1		Low Priority A		8
9	Green 1		Ph. Check - 2		Coord On		NOT-4		Plan 9		EV-B		Adv. Warn - 2		Low Priority B		9
A	Flh Yell Arrow 3		Ph. Check - 3		Detector Fail		OR-4		Spec. Funct. 3		EV-C		DELAY-A		Low Priority C		A
B	Green 3		Ph. Check - 4		Spec. Funct. 1		OR-5		Spec. Funct. 4		EV-D		DELAY-B		Low Priority D		B
C	Flh Yell Arrow 5		Ph. Check - 5		Spec. Funct. 2		OR-6		NAND-3		RR-1		DELAY-C		AND-5		C
D	Green 5		Ph. Check - 6		Central Control		AND-4		NAND-4		RR-2		DELAY-D		AND-6		D
E	Flh Yell Arrow 7		Ph. Check - 7		Excl. Ped DW		NAND-1		OR-7		Spec. Event 1		DELAY-E		Reserved		E
F	Green 7		Ph. Check - 8		Excl. Ped WK		NAND-2		OR-8		Spec. Event 2		DELAY-F		Reserved		F

Assignable Outputs <E/127+Column+Row>

INTERSECTION: Grove Av & Hollister St

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Column Numbers ----> / Plan Name ---->	Plan 1	2	3	4	5	6	7	8	9	Row
0	Cycle Length										0
1	Phase 1 - ForceOff										1
2	Phase 2 - ForceOff										2
3	Phase 3 - ForceOff										3
4	Phase 4 - ForceOff										4
5	Phase 5 - ForceOff										5
6	Phase 6 - ForceOff										6
7	Phase 7 - ForceOff										7
8	Phase 8 - ForceOff										8
9	Ring Offset										9
A	Offset 1										A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End										D
E	Hold Release										E
F	Reserved										F

Coordination - Bank 1 <C/1+Plan+Row>

Row	E	Row
0		0
1	Plan 1 - Sync	1
2	Plan 2 - Sync	2
3	Plan 3 - Sync	3
4	Plan 4 - Sync	4
5	Plan 5 - Sync	5
6	Plan 6 - Sync	6
7	Plan 7 - Sync	7
8	Plan 8 - Sync	8
9	Plan 9 - Sync	9
A	NEMA Sync	A
B	NEMA Hold	B
C		C
D		D
E	Coord Extra	E
F		F

Sync Phases <C/1+E+Row>

Row		1	2	3	4	5	6	7	8	9	Row
0	Ped Adjustment										0
1	Perm 2 - Start										1
2	Perm 2 - End										2
3	Perm 3 - Start										3
4	Perm 3 - End										4
5	Reservice Time										5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase										A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Bank 2 <C/2+Plan+Row>

Row	F	Row
0	Free Lag	0
1	Plan 1 - Lag	1
2	Plan 2 - Lag	2
3	Plan 3 - Lag	3
4	Plan 4 - Lag	4
5	Plan 5 - Lag	5
6	Plan 6 - Lag	6
7	Plan 7 - Lag	7
8	Plan 8 - Lag	8
9	Plan 9 - Lag	9
A	External Lag	A
B	Lag Hold	B
C		C
D		D
E		E
F		F

Lag Phases <C/1+F+Row>

Coordination Timing By:
Date:

INTERSECTION: Grove Av & Hollister St

Row	Phase Names ---->	Phase 1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 2 <C+0+F=2>

	9	A	B	C	D
	- - -	- - -	- - -	- - -	- - -
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	**0.3**	<C/5+1+9>

TBC Transition

Hawk Select	**0**	<F/1+0+4>

Hawk Select 200 = Mid-Block, 201 = Hawk

Address	**0**	<C/1+0+6>
Select Parity	**0**	<C/1+0+5>

AB3418 Comm 2 0 = No Parity, 1 = Even

Daylight Savings Date
If set to all zeros, standard dates will be used.

Begin Month	**3**	<C/5+2+A>
Begin Week	**2**	<C/5+2+B>
End Month	**11**	<C/5+2+C>
End Week	**1**	<C/5+2+D>

Daylight Savings Time

Time B4 Yellow	**0.0**	<F/1+C+E>
Phase Number	**0**	<F/1+C+F>

Advance Warning Beacon - Sign 1

Row		1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 3 <C+0+F=3>

	9	A	B	C	D
	- - -	- - -	- - -	- - -	- - -
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing

Time B4 Yellow	**0.0**	<F/1+D+E>
Phase Number	**0**	<F/1+D+F>

Advance Warning Beacon - Sign 2

Offset Time	**0**	<C/5+2+E>
Max Cycle Time	**20**	<C/5+2+F>

Yellow Yield Coordination

12345678

Omit Alarm	**#NAME?**

Local Alarm Disable <C/5+F+0>

IEN Status	**1**	<C/5+1+B>
Synch Time	**0.0**	<C/5+1+C>

Other Parameters

INTERSECTION: Grove Av & Hollister St

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.1+Row>
(Bank 1)

Time	Funct.	Day of Week	Column 4 Phases/Bits

TOD Function **<7/0.1+Row>** **<E/27+4+Row>**

Day	Year	Month	Holiday Type

Holiday Dates <8/1.1+Row>
(Bank 1)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.1+Row>
(Bank 1)

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 5 - Disable Low Priority Preempt
Bit 6 - FYA Inhibit
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Offset Select
A = Offset A
B = Offset B
C = Offset C

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <C+0+9=0.2>
(Bank 2)

Time	Funct.	Holiday Type	Column 4 Phases/Bits

Holiday TOD Function <C+0+7=0.2> <C+0+E=28>

Day	Year	Month	Holiday Type

Holiday Dates <C+0+8=1.2>
(Bank 2)

Time	Plan	Offset	Holiday Type

Holiday Events <C+0+9=1.2>
(Bank 2)

Month Select: October = A, November = B, Decmber = C

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

Notes:

<E/27+5+F>

Limited Service Interval

Special Event Schedule -- Table 1 <C+0+E=27>

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

Notes:

<E/28+5+F>

Limited Service Interval

Special Event Schedule -- Table 2 <C+0+E=28>

INTERSECTION: Grove Av & Hollister St

Min Time (seconds)	4	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)		<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts

(Does Not Apply To Railroad Preempt)

Low Pri. Channel	#NAME?	<E/125+C+8>

Disable Low Priority Channel

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Row		
C	Bus Headway	0
D	Bus Delay	0
E	Max Early Grn	0
F	Max Grn Ext.	0

Priority Parameters

<F/1 +A+Row>

Row	Time	Headway	Direction	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Headway Schedule <C+0+9=2.1>

Headway Time
(minutes)
1 thru 9 = 1 thru 9
A = 10
B = 11
C = 12
D = 13
E = 14
F = 15

Low Priority Preemption (Bus Priority)

Note: Also see "Time of Day Functions", Function E, Bit 5 (Disable Low Priority)

ERSECTION: 25 ST / 27 ST @ IRIS AV

223 Pr ram

Group Assignment:
Field Master Assignment: None

N/S Street Name: 25 / 27 St
E/W Street Name: Iris Av

Last Change:
Timing Sheet By: REJ
Approved By:

Drawing Number: 28926-1-D
ystem Ref. Number:
Timing implemented on: Sep 09 2000

N

Row	Column # ---->	1	2 (Iris Av)	3 (25 St)	4 (27 St)	5	6 (Iris Av)	7	8
	Phase # ---->		OLA →	OLA	← OLB		OLB ←		
0	Ped Walk			7	7		7		
1	Ped FDW			11	17		11		
2	Min Green		7	4	4		7		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		2.6	2.0	2.0		2.6		
6	Max Gap		2.6	2.0	2.0		2.6		
7	Min Gap		0.2	2.0	2.0		0.2		
8	Max Limit		50	30	50		50		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		1.2				1.2		
E	Yellow		3.9 3.6	3.9 3.0	3.9 3.0		3.9 3.6		
F	Red Clear		1.0	1.0	1.0		1.0		

SE4 06/01/07

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	_234_6__
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
Peds (View)	
Rest In Walk	
Red Rest	
Dbl Entry	_2___6__
Max Recall	
Soft Recall	_2___6__
Max 2	
Cond Serv	
Ped Lock	
Yellow Start	_2___6__
1st Phases	___4____

Phase Functions <F Page>
F + F + Row

Max Initial		F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O

Free Lag	F	Row
	_2_4_6__	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A	2.0	3.6	1.0	7
B	Overlap B	2.0	3.6	1.0	8
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	14 C + A + 1
Manual Offset	0 C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	240	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

INTERSECTION: 25 ST / 27 ST @ IRIS AV

223 Program

Row			Column F
	Time	Function	Day of Week	Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	3
9	Yellow Flash Phases	
A	Overlap A - Phases	23
B	Overlap B - Phases	4 6
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	4
C	EV-C Phases	6
D	EV-D Phases	3
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For s, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

(This parameter is NOT downloaded)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D	12.0	
E		---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: Iris and Howard

Group Assignment: **NONE**
Field Master Assignment: **NONE**
System Reference Number: **5**

N/S Street Name: **Not Assigned** Howard Ave
E/W Street Name: **Not Assigned** IRIS Ave

Last Database Change: **11/13/2014 13:14**

Change Record					
Change	By	Date	Change	By	Date

Notes:

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Drop Number	12	<C/0+0+0>
Zone Number	10	<C/0+0+1>
Area Number	7	<C/0+0+2>
Area Address	17	<C/0+0+3>
QuicNet Channel	COM1:	(QuicNet)

Communication Addresses

Manual Plan	14	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Flash Start		<F/1+0+E>
Red Revert		<F/1+0+F>
All Red Start		<F/1+C+0>
FYA Red Revert		<F/1+0+5>
OVLP CHG Red		<F/1+0+3>

Start / Revert Times

Exclusive Walk		<F/1+0+0>
Exclusive FDW		<F/1+0+1>
All Red Clear		<F/1+0+2>

Exclusive Ped Phase
(Outputs specified in Assignable Outputs at E/127+A+E & F)

Row	Column Numbers ---->	1	2	3	4	5	6	7	8
					MTOD				Howard
		IRIS	IRIS		Phase				
	Phase Names ---->	←	→		↓				↑
0	Ped Walk	7	7		7				7
1	Ped FDW	10	10		8				5
2	Min Green	10	10		7				7
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension	3.2	3.2		2.0				2.0
6	Max Gap	3.2	3.2		2.0				2.0
7	Min Gap	0.2	0.2		2.0				2.0
8	Max Limit	60	60		40				40
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every	1.0	1.0						
E	Yellow Change	3.9	3.9		3.9				3.9
F	Red Clear	1.0	1.0		1.0				1.0

Phase Timing - Bank 1 <C+0+F=1>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <C+0+F=1>

	E
RR-1 Delay	
RR-1 Clear	18
EV-A Delay	
EV-A Clear	
EV-B Delay	
EV-B Clear	
EV-C Delay	
EV-C Clear	
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	18
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing

Row		F
0	Permit	12_4__8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2_____
4	Ped Recall	
5	*View Set Peds*	
6	Rest In Walk	
7	Red Rest	
8	Dual Entry	___4__8
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	_2_____
F	First Phases	___4__8

Phase Functions <C+0+F=1>

Row	Column Numbers ---->	Overlap 1	2	3	4	5	6	7	8
	Overlap Name ---->								
0	Load Switch Number								
1	Veh Set 1 - Phases								
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases								
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8	Overlap Recall								
9	Queue Jump Phase								
A	Queue Jump Time								
B	Minimum Green								
C	Maximum Green								
D	Green Clear								
E	Yellow Change								
F	Red Clear								

Overlap Assignments <C+0+E=29>

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = Solid FDW on EV
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

Extra 2 Flags
1 = AWB During Initial
2 = Reserved
3 = Disable Min Walk
4 = QuicNet System
5 = Ignore P/P on EV
6 = Manual Hold in FDW
7 = Allow QuicNet PE
8 = Flash Grn B4 Yellow

Row		C
0	EV-A	
1	EV-B	
2	EV-C	
3	EV-D	
4	RR-1 *	---
5	RR-2 *	---
6	SE-1	
7	SE-2	

Preempt Priority <C+0+E=125>
(* RR-1 is always Highest, and RR-2 is always Second Highest)

Row	Column Numbers ---->	E
0	Exclusive Phases	
1	RR-1 Clear Phases	1
2	RR-2 Clear Phases	1
3	RR-2 Limited Service	4 8
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	
C	EV-C Phases	1
D	EV-D Phases	4 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration <C+0+E=125>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	1
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	3

Configuration <C+0+E=125>

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	12345678
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	12345678
Start-up Ped Calls	12345678

Specials <C+0+F=2>

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 =
5 =
6 = Simplex Master
7 =
8 = Offset Interrupter

	2
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	
Phase 7	
Phase 8	

Coordination Transition Minimums <C+0+C=5>

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Column Numbers ---->	Plan 1	2	3	4	5	6	7	8	9	Row
	Plan Name ---->										
0	Cycle Length										0
1	Phase 1 - ForceOff										1
2	Phase 2 - ForceOff										2
3	Phase 3 - ForceOff										3
4	Phase 4 - ForceOff										4
5	Phase 5 - ForceOff										5
6	Phase 6 - ForceOff										6
7	Phase 7 - ForceOff										7
8	Phase 8 - ForceOff										8
9	Ring Offset										9
A	Offset 1										A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End										D
E	Hold Release										E
F	Reserved										F

Coordination - Bank 1 <C+0+C=1>

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync		2
3	Plan 3 - Sync		3
4	Plan 4 - Sync		4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync		7
8	Plan 8 - Sync		8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E			E
F			F

Sync Phases <C+0+C=1>

Row											Row
0	Ped Adjustment										0
1	Perm 2 - Start										1
2	Perm 2 - End										2
3	Perm 3 - Start										3
4	Perm 3 - End										4
5	Reservice Time										5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase										A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Bank 2 <C+0+C=2>

Row		F	Row
0	Free Lag	_2_4___8	0
1	Plan 1 - Lag		1
2	Plan 2 - Lag		2
3	Plan 3 - Lag		3
4	Plan 4 - Lag		4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag		7
8	Plan 8 - Lag		8
9	Plan 9 - Lag		9
A	External Lag		A
B	Lag Hold		B
C			C
D			D
E			E
F			F

Lag Phases <C+0+C=1>

Row	Column 8		Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	One-Shot Timer		Latch 1 Set		NOT-3		Max 2		Pretimed		Set DOW		Dial 2 (7-Wire)		Sim Term		0
1	AND-5 (a)		Latch 1 Reset		NOT-4		Reserved		Plan 1		Ext. Perm 1		Dial 3 (7-Wire)		EV-A	71	1
2	AND-5 (b)		Latch 2 Set		OR-4 (a)	51	Reserved		Plan 2		Ext. Perm 2		Offset 1 (7-Wire)		EV-B	72	2
3	AND-6 (a)		Latch 2 Reset		OR-4 (b)	51	Reserved		Plan 3		Gate Down		Offset 2 (7-Wire)		EV-C	73	3
4	AND-6 (b)		NAND-3 (a)		OR-5 (a)	52	Reserved		Plan 4		Set Clock		Offset 3 (7-Wire)		EV-D	74	4
5	Reserved		NAND-3 (b)		OR-5 (b)	52	Reserved		Plan 5		Stop Time	82	Free (7-Wire)		RR-1	211	5
6	Reserved		NAND-4 (a)		OR-6 (a)		Reserved		Plan 6		Flash Sense	81	Flash (7-Wire)	75	RR-2	52	6
7	Reserved		NAND-4 (b)		OR-6 (b)		Reserved		Plan 7		Manual Enable		Excl. Ped Omit		Spec. Event 1		7
8	Spec. Funct. 1		OR-7 (a)		EXTMR		Reserved		Plan 8		Man. Advance		NOT-1	51	Spec. Event 2		8
9	Spec. Funct. 2		OR-7 (b)		Reserved		Max Inhibit (nema)		Plan 9		External Alarm		NOT-2	52	External Lag		9
A	Spec. Funct. 3		OR-7 (c)		AND-4 (a)		Force A (nema)		DELAY-A		Phase Bank 2		OR-1 (a)		AND-1 (a)	51	A
B	Spec. Funct. 4		OR-7 (d)		AND-4 (b)		Force B (nema)		DELAY-B		Phase Bank 3		OR-1 (b)		AND-1 (b)	52	B
C	Reserved		OR-8 (a)		NAND-1 (a)		C.N.A. (nema)		DELAY-C		Overlap Set 2		OR-2 (a)	201	AND-2 (a)	203	C
D	Reserved		OR-8 (b)		NAND-1 (b)		Hold (nema)		DELAY-D		Overlap Set 3		OR-2 (b)	202	AND-2 (b)	204	D
E	Reserved		OR-8 (c)		NAND-2 (a)		Max Recall		DELAY-E		Detector Set 2		OR-3 (a)		AND-3 (a)		E
F	Reserved		OR-8 (d)		NAND-2 (b)		Min Recall		DELAY-F		Detector Set 3		OR-3 (b)		AND-3 (b)		F

Assignable Inputs <C+0+E=126>

Row	Column 8		Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Reserved		Phase ON - 1		Preempt Fail		Flasher 0		Free		NOT-1	204	TOD Out 1		Dial 2 (7-Wire)		0
1	Reserved		Phase ON - 2		Sp Evnt Out 1		Flasher 1		Plan 1		OR-1		TOD Out 2		Dial 3 (7-Wire)		1
2	Reserved		Phase ON - 3		Sp Evnt Out 2		Fast Flasher		Plan 2		OR-2	211	TOD Out 3		Offset 1 (7-Wire)		2
3	Reserved		Phase ON - 4		Sp Evnt Out 3		EXTMR		Plan 3		OR-3		TOD Out 4		Offset 2 (7-Wire)		3
4	Reserved		Phase ON - 5		Sp Evnt Out 4		One-Shot Timer		Plan 4		AND-1	201	TOD Out 5		Offset 3 (7-Wire)		4
5	Reserved		Phase ON - 6		Sp Evnt Out 5		Reserved		Plan 5		AND-2	202	TOD Out 6		Free (7-Wire)		5
6	Reserved		Phase ON - 7		Sp Evnt Out 6		Latch 1		Plan 6		AND-3		TOD Out 7		Flash (7-Wire)		6
7	Reserved		Phase ON - 8		Sp Evnt Out 7		Latch 2		Plan 7		NOT-2	203	TOD Out 8		Preempt		7
8	Flh Yell Arrow 1		Ph. Check - 1		Sp Evnt Out 8		NOT-3		Plan 8		EV-A		Adv. Warn - 1		Low Priority A		8
9	Green 1		Ph. Check - 2		Coord On		NOT-4		Plan 9		EV-B		Adv. Warn - 2		Low Priority B		9
A	Flh Yell Arrow 3		Ph. Check - 3		Detector Fail		OR-4	85	Spec. Funct. 3		EV-C		DELAY-A		Low Priority C		A
B	Green 3		Ph. Check - 4		Spec. Funct. 1		OR-5	84	Spec. Funct. 4		EV-D		DELAY-B		Low Priority D		B
C	Flh Yell Arrow 5		Ph. Check - 5		Spec. Funct. 2		OR-6		NAND-3		RR-1		DELAY-C		AND-5		C
D	Green 5		Ph. Check - 6		Central Control		AND-4		NAND-4		RR-2		DELAY-D		AND-6		D
E	Flh Yell Arrow 7		Ph. Check - 7		Excl. Ped DW		NAND-1		OR-7		Spec. Event 1		DELAY-E		Reserved		E
F	Green 7		Ph. Check - 8		Excl. Ped WK		NAND-2		OR-8		Spec. Event 2		DELAY-F		Reserved		F

Assignable Outputs <C+0+E=127>

Row	Phase Names ---->	Phase 1	2	3	4	5	6	7	8
	Column Numbers ---->								
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 2 <C+0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type [ ] <C/5+1+9>
TBC Transition

Hawk Select [ ] <F/1+0+4>
Hawk Select 200 = Mid-Block, 201 = Hawk

Address [ ] <C/1+0+6>
Select Parity [ ] <C/1+0+5>
AB3418 Comm 2 0 = No Parity, 1 = Even

Daylight Savings Date
If set to all zeros, standard dates will be used.

Begin Month [ ] <C/5+2+A>
Begin Week [ ] <C/5+2+B>
End Month [ ] <C/5+2+C>
End Week [ ] <C/5+2+D>
Daylight Savings Time

Row		1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 3 <C+0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Time B4 Yellow [ ] <F/1+C+E>
Phase Number [ ] <F/1+C+F>
Advance Warning Beacon - Sign 1

Time B4 Yellow [ ]
Phase Number [ ] <F/1+D+F>
Advance Warning Beacon - Sign 2

Offset Time [ ] <C/5+2+E>
Max Cycle Time [ ] <C/5+2+F>
Yellow Yield Coordination

12345678
Omit Alarm [ ] <C/5+F+0>
Local Alarm Disable

Column Numbers ---->	0	1	2	3	1	3
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0		39	45_7_	2	123		1.8
1		40	45_7_	6	123		
2		41	45_7_	4	123		
3		42	45_7_	8	123		
4		43	45_7_	2	123		
5		44	45_7_	6	123		
6		45	45_7_	4	123		
7		46	45_7_	8	123		
8		47	67_	2	123		
9		48	67_	6	123		
A		49	67_	4	123		
B		50	67_	8	123		
C		55	45_7_	5	123		
D		56	45_7_	1	123		
E		57	45_7_	7	123		
F		58	45_7_	3	123		

	4	5	6	7	2	4
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0		59	45_7_	5	123		
1		60	45_7_	1	123		1.8
2		61	45_7_	7	123		
3		62	45_7_	3	123		
4		63	45_7_	2	123		
5		64	45_7_	6	123		
6		65	45_7_	4	123		
7		66	45_7_	8	123		
8		67	2	2	123		
9		68	2	1	123		
A		69	2	4	123		
B		70	2	8	123		
C		76	45_7_	2	123		
D		77	45_7_	6	123		
E		78	45_7_	4	123		
F		79	45_7_	8	123		

Detector Assignments <C+0+E=126>

<C+0+D=0>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 = Overlap
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

Column Numbers ---->	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <C+0+E=127>

Cabinet Type		<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)		<D/0+0+1>
Max ON (minutes)		<D/0+0+2>
Chatter Fail Time		<D/0+0+4>

Detector Failure Monitor

	B	Row
One-Shot		8
Ext. Timer		9
DELAY-A		A
DELAY-B		B
DELAY-C		C
DELAY-D		D
DELAY-E		E
DELAY-F		F

Delay Logic Times
<C+0+D=0> (seconds)

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <C+0+9=0.1>
(Bank 1)

Time	Funct.	Day of Week	Column 4 Phases/Bits

TOD Function <C+0+7=0.1> <C+0+E=27>

Day	Year	Month	Holiday Type

Holiday Dates <C+0+8=1.1>
(Bank 1)

Time	Plan	Offset	Holiday Type

Holiday Events <C+0+9=1.1>
(Bank 1)

T.O.D. Functions
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 5 - Disable Low Priority Preempt
Bit 6 - FYA Inhibit
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Offset Select
A = Offset A
B = Offset B
C = Offset C

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <C+0+9=0.2>
(Bank 2)

Time	Funct.	Holiday Type	Column 4 Phases/Bits

Holiday TOD Function <C+0+7=0.2> <C+0+E=28>

Day	Year	Month	Holiday Type

Holiday Dates <C+0+8=1.2>
(Bank 2)

Time	Plan	Offset	Holiday Type

Holiday Events <C+0+9=1.2>
(Bank 2)

Month Select: October = A, November = B, Decmber = C

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

[ ] <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

[ ] <E/28+5+F>
Limited Service Interval

Min Time (seconds)	1	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	255	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)		<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Pri. Channel		<E/125+C+8>

Disable Low Priority Channel

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Row		
C	Bus Headway	
D	Bus Delay	
E	Max Early Grn	
F	Max Grn Ext.	

Priority Parameters
<F/1 +A+Row>

Row	Time	Headway	Direction	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Headway Schedule <C+0+9=2.1>

Headway Time
(minutes)
1 thru 9 = 1 thru 9
A = 10
B = 11
C = 12
D = 13
E = 14
F = 15

Low Priority Preemption (Bus Priority)

Note: Also see "Time of Day Functions", Function E, Bit 5 (Disable Low Priority)

Name	Type	EWStreet	NSStreet	Group	Drop#	Area	AreaAddr	Channel	Sys Ref #	Last Change	FM Name
HARRIS @ F	233New233..	HARRIS	PALM	NONE	2	7	60	59	10	##########	NONE

		Coord Minimums														Bar	
																Hour	Minute
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0	1
Page 0 <C/5>																	

Notes are in Column A, Rows 32 to 40

LOCATION: **RTE 905 EB @ BEYER BLVD./DAIRY MART RD.**

CALTRANS C8 Version 3 DATE: 6/15/15

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	7	7	7	CLK RST
1	DONT WALK	1	24	1	1	1	43	36	27	
2	MIN GREEN	5	9	1	1	5	12	11	5	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	6.3	0.9	0.9	2.0	6.3	3.0	2.0	
6	MAX GAP	2.0	8.3	0.9	0.9	2.0	8.3	3.0	2.0	
7	MIN GAP	2.0	3.0	0.9	0.9	2.0	3.0	3.0	2.0	
8	MAX EXT	25	30	9	9	25	35	30	25	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	DOW
D	EVERY	1.0	0.5	1.0	1.0	1.0	0.5	1.0	1.0	HR
E	YELLOW	3.7	4.4	3.0	3.0	3.7	4.4	4.1	4.1	MIN
F	RED	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		85'				150'	125'	95'	
	BIKE XING FT		110'				164'	145'		

NOTES: MPH = 40 E/W
30 N

PRE-EMPTION E	
EV SEL	0
RR1 CLR	5
EVA DLY	0
EVA CLR	5
EVB DLY	0
EVB CLR	5
EVC DLY	0
EVC CLR	5
EVD DLY	0
EVD CLR	5
MAX EV	255
RR2 CLR	23

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6	7	8	0
RED LOCK	1				5		7	8	1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2				6	7	8	5
RT OLA									6
RT OLB						6	7		7
DBL ENTRY									8
MAX 2 PHASES									9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE								8	F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

Cycle Length in "Free" 168 seconds								
Phases	1	2	3	4	5	6	7	8
Phase Total Green Time	30	39	10	10	30	47	41	30
Phase Yellow/Red	4.7	5.4	3.0	3.0	4.7	5.4	5.1	5.1
Total Phase Time	34.7	44.4	13.0	13.0	34.7	52.4	46.1	35.1
% of cycle	21%	26%	8%	8%	21%	31%	27%	21%

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
DAIRY MART RD.

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: RTE 905 EB @ BEYER BLVD./DAIRY MART RD.

CALTRANS C8 Version 3 DATE: 7/29/2008

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED							7		7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES

(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES

(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 905 EB @ BEYER BLVD./DAIRY MART RD.**

CALTRANS C8 Version 3 DATE: 7/29/2008

7 PAGE

9 PAGE C09 = 0 or 1

9 PAGE C09 = 2

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

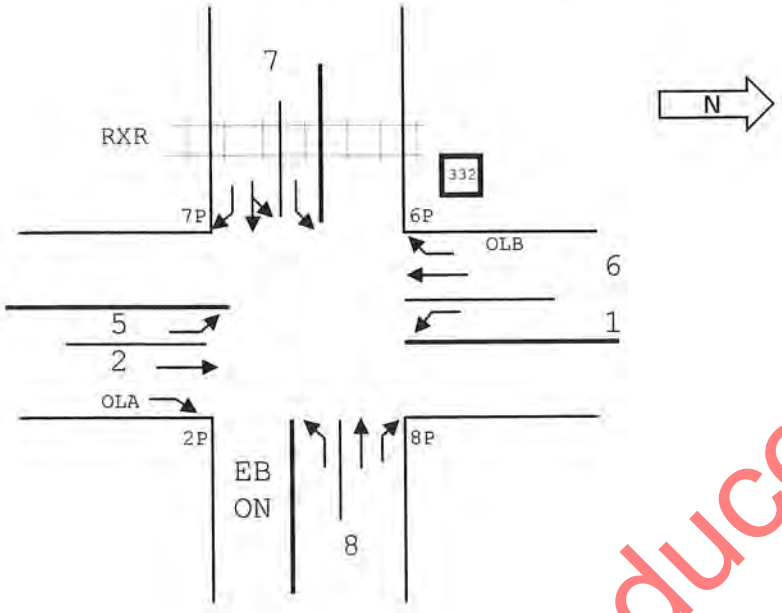
ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

DATE: 5/24/2012

LOCATION: RTE 905 EB @ BEYER BLVD./DAIRY MART RD.

CONFLICT MONITOR PROGRAM



LOCATION: **RTE 905 WB @ BEYER BLVD. / IRIS AVENUE**
CALTRANS C8 Version 3 DATE: 04/01/15
F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	7	7	1	7	1	1	CLK RST
1	DONT WALK	1	17	27	30	1	23	1	1	
2	MIN GREEN	5	9	5	5	5	9	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	5.3	2.0	2.0	2.0	5.3	0.9	0.9	
6	MAX GAP	2.0	7.3	2.0	2.0	2.0	7.3	0.9	0.9	
7	MIN GAP	2.0	3.0	2.0	2.0	2.0	3.0	0.9	0.9	
8	MAX EXT	25	30	25	25	20	30	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	DOW
D	EVERY	1.0	0.6	1.0	1.0	1.0	0.6	1.0	1.0	HR
E	YELLOW	3.7	4.4	4.1	4.4	3.7	4.4	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	SEC
	PED XING FT		58'	95'	106'		81'			
	BIKE XING FT		93'				107'			

NOTES: MPH = 40

	PRE-EMPTION E	
EV SEL		0
RR1 CLR		5
EVA DLY		0
EVA CLR		5
EVB DLY		0
EVB CLR		5
EVC DLY		0
EVC CLR		5
EVD DLY		0
EVD CLR		5
MAX EV		255
RR2 CLR		7

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6			0
RED LOCK									1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2	3	4		6			5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES									9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE				4					F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FC0	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

Cycle Length in "Free" 150 seconds								
Phases	1	2	3	4	5	6	7	8
Phase Total Green Time	30	39	30	30	25	39	10	10
Phase Yellow/Red	4.7	5.4	5.1	5.4	4.7	5.4	3.0	3.0
Total Phase Time	34.7	44.4	35.1	35.4	29.7	44.4	13.0	13.0
% of cycle	23%	30%	23%	24%	20%	30%	9%	9%

LOCATION: **RTE 905 WB @ BEYER BLVD. / IRIS AVENUE**

CALTRANS C8 Version 3 DATE: 7/29/2008

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
DAIRYMART RD.

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		X
3		
4		
5		
6		
7		
8		

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 905 WB @ BEYER BLVD. / IRIS AVENUE**

CALTRANS C8 Version 3 DATE: 7/29/2008 PAGE 3

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED			3						8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES

(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES

(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 905 WB @ BEYER BLVD. / IRIS AVENUE**

CALTRANS C8 Version 3 DATE: 7/29/2008

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

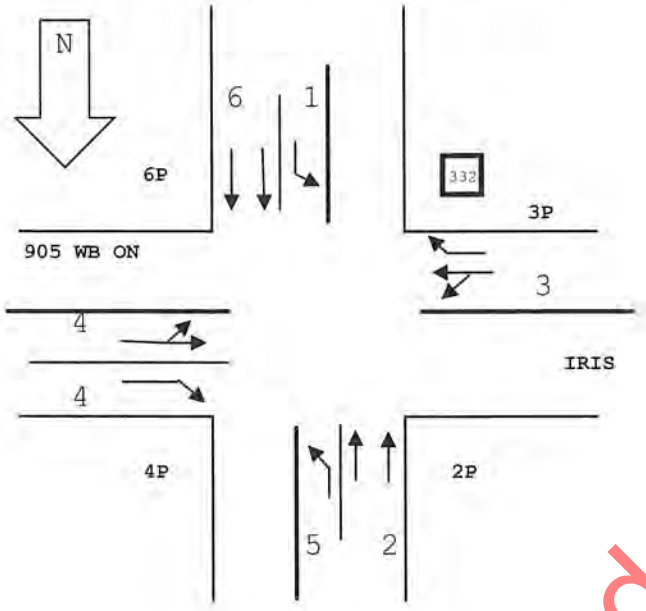
9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

DATE: 4/10/2013

LOCATION: RTE 905 WB @ BEYER BLVD. / IRIS AVENUE

CONFLICT MONITOR PROGRAM



INTERSECTION: BEYER BLVD & DEL SUR BLVD

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: **Del Sur Blvd**
E/W Street Name: **Beyer Blvd**

Last Database Change:
System Ref. Number:

Row	Column # ---->	1	2 (Beyer Blvd →)	3	4 (Del Sur ↘)	5 (Del Sur ↑)	6 (Beyer Blvd ←)	7	8
	Phase # ---->								
0	Ped Walk				7		7		
1	Ped FDW				14		26		
2	Min Green		10		4	4	10		
3	Type 3 Limit								
4	Add/Veh		1.4				1.4		
5	Veh Extn		5.0		2.0	2.0	5.0		
6	Max Gap		5.0		2.0	2.0	5.0		
7	Min Gap		2.0		2.0	2.0	2.0		
8	Max Limit		60		30	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		1.0				1.0		
E	Yellow		4.5		3.9	3.4	4.5		
F	Red Clear		1.0		1.0	1.0	1.0		
	Grade								

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E	Row	F
RR-1 Delay		Permit	_2_456__
RR-1 Clear		Red Lock	
EV-A Delay	0	Yellow Lock	_2___6__
EV-A Clear	0	Min Recall	_2___6__
EV-B Delay	0	Ped Recall	
EV-B Clear	0	Peds (View)	
EV-C Delay	0	Rest In Walk	
EV-C Clear	0	Red Rest	
EV-D Delay	0	Dbl Entry	
EV-D Clear	0	Max Recall	
RR-2 Delay		Soft Recall	
RR-2 Clear		Max 2	
View EV Delay	---	Cond Serv	
View EV Clear	---	Ped Lock	12345678
View RR Delay	---	Yellow Start	_2___6__
View RR Clear	---	1st Phases	___4____

Preempt Timing
F + E + Row

Phase Functions <F Page>
F + F + Row

Max Initial	25	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	9	C + 0 + 0
Zone Number	9	C + 0 + 1
Area Number	7	C + 0 + 2
Area Address	58	C + 0 + 3
QuicNet Channel	DIGI64	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: SE4
Approved By:
Drawing Number:
Timing Implemented On: 02/06/06

INTERSECTION: BEYER BLVD & DEL SUR BLVD

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_3
F	IC Select (Interconnect)	_2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: BEYER BLVD & SMYTHE AV

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: Beyer Blvd
E/W Street Name: Smythe Av

Last Database Change:
System Ref. Number:

Row	Column # ---->	1	2	3	4	5	6	7	8	Row
	Phase # ---->	1	2	3	4	5	6	7	8	
0	Ped Walk		7						7	0
1	Ped FDW		16						15	1
2	Min Green	4	10				10		4	2
3	Type 3 Limit									3
4	Add/Veh									4
5	Veh Extn	2.0	4.0				3.6		2.0	5
6	Max Gap	2.0	4.0				3.6		2.0	6
7	Min Gap	2.0	0.2				0.2		2.0	7
8	Max Limit	30	60				60		40	8
9	Max Limit 2									9
A	Bus Adv									A
B	Call to Phs									B
C	Reduce By		0.1				0.1			C
D	Every		0.8				0.9			D
E	Yellow	3.4	3.9				3.9		3.9	E
F	Red Clear	1.0	1.0				1.0		1.0	F
	Grade									

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row	E	Row
RR-1 Delay		0
RR-1 Clear		1
EV-A Delay	0	2
EV-A Clear	0	3
EV-B Delay	0	4
EV-B Clear	0	5
EV-C Delay	0	6
EV-C Clear	0	7
EV-D Delay	0	8
EV-D Clear	0	9
RR-2 Delay		A
RR-2 Clear		B
View EV Delay	---	C
View EV Clear	---	D
View RR Delay	---	E
View RR Clear	---	F

Preempt Timing
F + E + Row

Row	F	Row
Permit	12___6_8	0
Red Lock		1
Yellow Lock		2
Min Recall	_2___6__	3
Ped Recall		4
Peds (View)		5
Rest In Walk		6
Red Rest		7
Dbl Entry		8
Max Recall		9
Soft Recall		A
Max 2		B
Cond Serv		C
Ped Lock	12345678	D
Yellow Start	_2___6__	E
1st Phases	___4____	F

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	7	C + 0 + 0
Zone Number	7	C + 0 + 1
Area Number	7	C + 0 + 2
Area Address	22	C + 0 + 3
QuicNet Channel	DIGI64:	(QuicNet)

Communication Addresses

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

C + F + O	F	Row
Free Lag	_2___6_8	0

Lag Phases <C Page>

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: SE4
Approved By:
Drawing Number:
Timing Implemented On: 02/03/03

INTERSECTION: BEYER BLVD & SMYTHE AV

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

<E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1 3
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: Beyer Bl & Caminito De Los Ninos

223 Pro

Group Assignment:
Field Master Assignment:

N/S Street Name: Caminito De Los Ninos
E/W Street Name: Beyer Bl

Last Database Change:
System Ref. Number:

Row	Column # ---->	1	2	3	4	5	6	7	8
	Phase # ---->								
			Beyer Bl		Caminito Ninos		Beyer Bl		Trolley Dy
0	Ped Walk		7		7		7		7
1	Ped FDW		12		17		8		17
2	Min Green	4	10		7	4	10		7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	5.2		2.0	2.0	6.0		2.0
6	Max Gap	2.0	5.2		2.0	2.0	6.0		2.0
7	Min Gap	2.0	0.2		2.0	2.0	0.2		2.0
8	Max Limit	30	60		40	30	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.6				0.6		
E	Yellow	3.4	3.9		3.9	3.4	3.9		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	
	EV-D Clear	
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	___4___8
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	11
Zone Number	11
Area Number	7
Area Address	79
QuicNet Channel	COM 68

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: rej
Approved By: BC BC
Drawing Number: 34433-10-D
Timing Implemented On: 10/8/2008

INTERSECTION: Beyer Bl & Caminito De Los Ninos

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: ALAQUINAS DR / WEST PARK DR @ BEYER BL

Group Assignment:
Field Master Assignment:

N/S Street Name: Alaquinas Dr / West Park Dr
E/W Street Name: Beyer Bl

Last Database Change:
System Ref. Number:

22[illegible] Program

Beyer Bl | Alaquinas Dr/W Park Dr | Beyer Bl

Row	Column # ----> / Phase # ---->	Phase 1	2	3	4	5	6	7	8
0	Ped Walk		10		10		10		
1	Ped FDW		12		25		14		
2	Min Green	4	10		4	4	10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	5.6		2.0	2.0	5.7		
6	Max Gap	2.0	5.6		2.0	2.0	5.7		
7	Min Gap	2.0	0.2		2.0	2.0	0.2		
8	Max Limit	30	60		40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.6				0.5		
E	Yellow	3.4	3.9		3.9	3.4	3.9		
F	Red Clear	1.0	1.0		1.0	1.0	1.0		
	Grade								

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	12_456__
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
Peds (View)	_2_4_6__
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	_2___6__
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	_2___6__
1st Phases	___4____

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	8
Zone Number	8
Area Number	7
Area Address	57
QuicNet Channel	COM68:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: JDS
Approved By: FLG
Drawing Number: 16245-17-D
Timing Implemented On:

INTERSECTION: ALAQUINAS DR / WEST PARK DR @ BEYER BL

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	___4____
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	___4____
C	EV-C Phases	1____6__
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: ALAQUINAS DR / WEST PARK DR @ BEYER BL

223 Program

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

LOCATION: **RTE 805 @ NB SAN YSIDRO BLVD.**

CALTRANS C8 Version 3 DATE: 02/02/16

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	7	1	7	1	1	CLK RST
1	DONT WALK	1	28	1	25	1	29	1	1	
2	MIN GREEN	1	11	1	5	5	9	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	5.3	0.9	2.0	2.0	4.5	0.9	0.9	
6	MAX GAP	0.9	6.6	0.9	2.0	2.0	5.5	0.9	0.9	
7	MIN GAP	0.9	3.0	0.9	2.0	2.0	3.0	0.9	0.9	
8	MAX EXT	9	30	9	20	15	30	9	9	
9	MAX 2				23	10				YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	DOW
D	EVERY	1.0	0.7	1.0	1.0	1.0	0.7	1.0	1.0	HR
E	YELLOW	3.0	4.1	3.0	4.1	3.7	4.1	3.0	3.0	MIN
F	RED	0.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	SEC
	PED XING FT		97'		87'		102'			
	BIKE XING FT		139'				110'			

NOTES: MPH = 35

PRE-EMPTION E	
EV SEL	0
RR1 CLR	5
EVA DLY	0
EVA CLR	5
EVB DLY	0
EVB CLR	5
EVC DLY	0
EVC CLR	5
EVD DLY	0
EVD CLR	5
MAX EV	255
RR2 CLR	5

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT		2		4	5	6			0
RED LOCK				4	5				1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2		4		6			5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES				4	5				9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE				4					F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

Cycle Length in "Free" 99 seconds								
Phases	1	2	3	4	5	6	7	8
Phase Total Green Time	10	41	10	25	20	39	10	10
Phase Yellow/Red	3.0	5.1	3.0	5.1	4.7	5.1	3.0	3.0
Total Phase Time	13.0	46.1	13.0	30.1	24.7	44.1	13.0	13.0
% of cycle	13%	47%	13%	30%	25%	45%	13%	13%

LOCATION: **RTE 805 @ NB SAN YSIDRO BLVD.**

CALTRANS C8 Version 3 DATE: 7/24/2013

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	80	80													LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	1	LAG FZ CP 1		2		4		6		8	1
2														GAPOUT CP2	1	LAG FZ CP 2		2		4		6		8	2
3	FZ3 GRN FCTR													GAPOUT CP3		LAG FZ CP 3									3
4	FZ4 GRN FCTR	28	23								PERM TIME			GAPOUT CP4		LAG FZ CP 4									4
5	FZ5 GRN FCTR	15	21								LAG OFFSET			GAPOUT CP5		LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6		LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7		LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8		LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9		LAG FZ CP 9									9
A	OFFSET A	26	3								OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		2				6			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRPT																								F
																	1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
SB OFF

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2	2	
3	4	
4	8	
5	16	
6	32	
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 805 @ NB SAN YSIDRO BLVD.**

CALTRANS C8 Version 3 DATE: 11/07/08 PAGE 3

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1				4					CP 1								
2	CP 2									CP 2				4					CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	10	30	2	ON/	1	2	3	4	5	6	7
1	15	00	2		1	2	-3	4	5	6	7
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	10	30	1	A	1	2	3	4	5	6	7
1	15	00	2	A	1	2	3	4	5	6	7
2	19	00	E	A	1	2	3	4	5	6	7
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

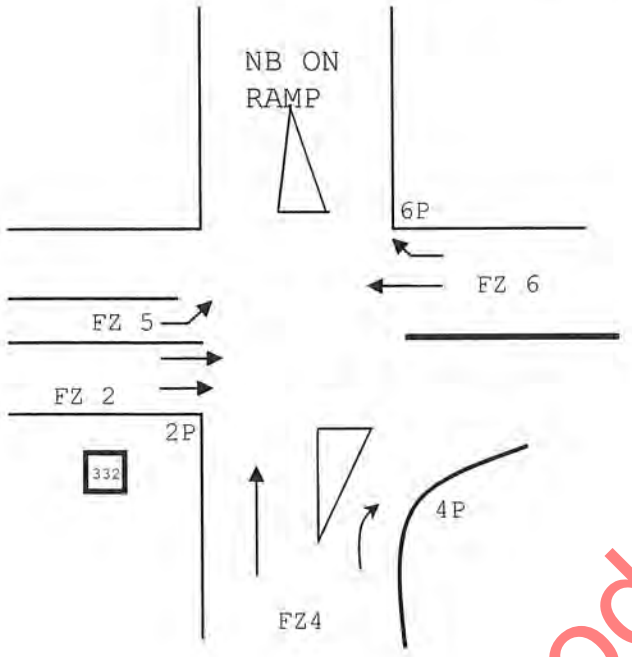
9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

DATE: 7/24/2013

LOCATION: RTE 805 @ NB SAN YSIDRO BLVD.

CONFLICT MONITOR PROGRAM



INTERSECTION: BORDER VILLAGE RD (W) @ E. SAN YSIDRO BLVD

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: **BORDER VILLAGE**
E/W Street Name: **SAN YSIDRO**

		Phase 1	Phase 2 (E. SAN YSIDRO)	Phase 3	Phase 4	Phase 5	Phase 6 (E. SAN YSIDRO)	Phase 7	Phase 8 (BORDER VILLAGE)
Row	Column # ----> / Phase # ---->	1	2	3	4	5	6	7	8
0	Ped Walk		7						7
1	Ped FDW		10						13
2	Min Green		7				7		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		3.8				4.5		2.0
6	Max Gap		3.8				4.5		2.0
7	Min Gap		0.2				0.2		2.0
8	Max Limit		50				50		25
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.8				0.7		
E	Yellow		3.9				3.9		3.9
F	Red Clear		1.0				1.0		1.0

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

F + E + Row

Row		F
0	Permit	_2___6_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	Peds (View)	_2_____8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	_____8

F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2___6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +

<D Page> D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By: JD
Drawing Number: 26108-37-D
Timing Implemented On:

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2_____
B	EV-B Phases	
C	EV-C Phases	_____6__
D	EV-D Phases	_____8
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: BORDER VILLAGE RD (E) @ E. SAN YSIDRO BLVD

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: BORDER VILLAGE (E)
E/W Street Name: E. SAN YSIDRO

		Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
		E. SAN YSIDRO			DWY		E. SAN YSIDRO		BORDER VILLAGE (E)
Row	Column # ----> / Phase # ---->	1	2	3	4	5	6	7	8
0	Ped Walk		7		7		7		7
1	Ped FDW		14		20		5		24
2	Min Green	4	7		4	4	7		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	4.4		2.0	2.0	2.4		2.0
6	Max Gap	2.0	4.4		2.0	2.0	2.4		2.0
7	Min Gap	2.0	0.2		2.0	2.0	0.2		2.0
8	Max Limit	30	60		40	30	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.7				1.4		
E	Yellow	3.4	3.9		3.9	3.4	3.9		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

F + E + Row

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	___4___8
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By:
Drawing Number: 26108-38-D
Timing Implemented On: 05/09/11

INTERSECTION: BORDER VILLAGE RD (E) @ E. SAN YSIDRO BLVD

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	___4____
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

<E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	
C	EV-C Phases	1____6__
D	EV-D Phases	_____8
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7	12.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: CAM DE LA PLAZA/E. BEYER BLVD @ E. [S]AN YSIDRO BLVD

223 Pr[og]ram

Group Assignment:
Field Master Assignment:
N/S Street Name: CAM DE LA PLAZA/E[. BEYE]R
E/W Street Name: E. SAN YSIDRO

Row	Column # ----> / Phase # ---->	1	2 (E. SAN YSIDRO)	3 (CAM PLZ)	4 (E. BEYER)	5	6 (E. SAN YSIDRO)	7	8
				2+3					
0	Ped Walk		7	7	7		7		
1	Ped FDW		26	22	23		7		
2	Min Green	4	7	4	4	4	7		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	5.5	2.0	2.0	2.0	3.5		
6	Max Gap	2.0	5.5	2.0	2.0	2.0	3.5		
7	Min Gap	2.0	0.2	2.0	2.0	2.0	0.2		
8	Max Limit	30	60	60	40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.6				0.9		
E	Yellow	3.4	3.9	3.9	4.1	3.4	3.9		
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0		

Phase Timing - Bank 1 <F Page>
F + Phase + Row

	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	
EV-B Clear	
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

F + E + Row

	F	Row
Permit	123456__	0
Red Lock		1
Yellow Lock		2
Min Recall		3
Ped Recall		4
Peds (View)	_234_6__	5
Rest In Walk		6
Red Rest		7
Dbl Entry		8
Max Recall		9
Soft Recall	_2___6__	A
Max 2		B
Cond Serv		C
Ped Lock	12345678	D
Yellow Start	_2___6__	E
1st Phases	__3_____	F

F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0
	Lag Phases	<C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR + <D Page> D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By: JM
Drawing Number: 21504-1-D
Timing Implemented On:

INTERSECTION: CAM DE LA PLAZA/E. BEYER BLVD @ E. SAN YSIDRO BLVD — 223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	___4____
8	Ped 8P	__3_____
9	Yellow Flash Phases	
A	Overlap A - Phases	_23____
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1_____

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	_2_____
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	
C	EV-C Phases	1____6__
D	EV-D Phases	__3_____
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

For access, set F + 9 + E = 1

Configuration

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

200 SA 1.e

San Ysidro | San Ysidro | I-5 | Jack in the Box

PHASE TIMING

INTERVAL		1	2	3	4	5	6	7	8	PREEMPT	E	
WALK	0		7						7	RR 1 DELAY		0
FLASH D/W	1		10						16	RR 1 CLEAR		1
MIN GREEN	2	4	4			4	4	4	4	EVA DELAY	30	2
TYPE 3 DET	3									EVA CLEAR	50	3
ADD PER VEH	4									EVB DELAY	0	4
VEH EXTN *	5	2.0	5.0			2.0	5.0	2.0	2.0	EVB CLEAR	3	5
MAX GAP *	6	2.0	5.0			2.0	5.0	2.0	2.0	EVC DELAY	0	6
MIN GAP *	7	2.0	2.0			2.0	2.0	2.0	2.0	EVC CLEAR	40	7
MAX EXTN	8	40	40			40	40	30	30	EVD DELAY		8
MAX 2	9									EVD CLEAR		9
BUS LEAD	A									RR2 DELAY		A
CALL TO PHS	B									RR 2 CLEAR		B
REDUCE BY	C		0.1				0.1			EV CLR TMR		C
EVERY	D		0.7				0.7			EV DLY TMR		D
YELLOW	E	3.0	3.0			3.0	3.0	3.0	3.0	RR CLR TMR		E
RED CLEAR	F	1.0	1.0			1.0	1.0	1.0	1.0	RR DLY TMR		F

* Must be the same for non-density operation

F + PHASE + LOCATION

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0	X	X			X	X	X	X
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3								
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F							X	

F + F + FUNCTION

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR +

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X			X			X

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0)

TURN-ON DATE:

TIME:

DRAWING NO. D-

LAST CHANGE: 04-02-1997

BY: MPS

This is a split phase operation with ϕ2+5 and ϕ1+6 operating together, accomplished by strapping together detectors for ϕ2+5 and ϕ1+6. During EV and trolley preemption ϕ2+6 operate together.

LOCATION: San Ysidro Boulevard & Jack in the Box Dwy/ I-5

DETECTOR TIMES

Y \ X	SET DELAY 1	2	SET CARRY 3	4	OBS COUNT 5	6	OBS DELAY 7	8	OBS CARRY 9	A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
			1	2	3	4	5	6	7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

1	2	3	4	5	6	7	8

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A		X				X		
EMVEH B	B		X				X		
EMVEH C	C		X				X		
EMVEH D	D								
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAVLIGHT
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5		X						
PED 6P	6								
PED 4P	7								
PED 8P	8								X
FLH YELLOW	9								
OVERLAP A	A								
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F								

E + F + INTERVAL

LOCATION	San Ysidro Boulevard	&	Jack in the Box Dwy/ I-5

#	Intersection	Crossing Distance (ft)	Assumed Bicycle Speed (mph)	Assumed Bicycle Speed (ft/s)	Clearance Interval (s)	Green Time (s)	Bicycle Phase Interval (s)
15	Beyer Blvd & Iris Ave	50	9.5	13.93	7	4	11
16	Beyer Blvd & Dairy Mart Rd	110	9.5	13.93	11	4	15
21	Beyer Blvd & Park Ave	60	9.5	13.93	8	4	12
35	Beyer Blvd & Camino de la Plaza	120	9.5	13.93	12	4	16