TRANSPORTATION WORKSHOP

February 5, 2015

Francisco X. Rivera, P.E., T.E., Principal Civil Engineer City of Chula Vista Public Works Department

CHULA VISTA TRANSPORTATION PROGRAM UPDATE

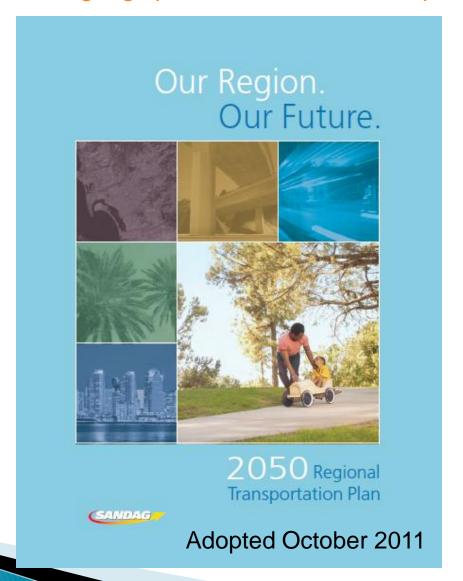
WORKSHOP AGENDA

- 1. SANDAG 2050 Regional Transportation Plan
- 2. South Bay Bus Rapid Transit
- 3. I-805/East Palomar Street Access Ramp
- 4. Light Rail Trolley & Freight Rail Projects
- 5. Local Arterial Roadways
- 6. Bicycle Program
- 7. Pedestrian Program
- 8. Next Steps CIP FY 2015-16

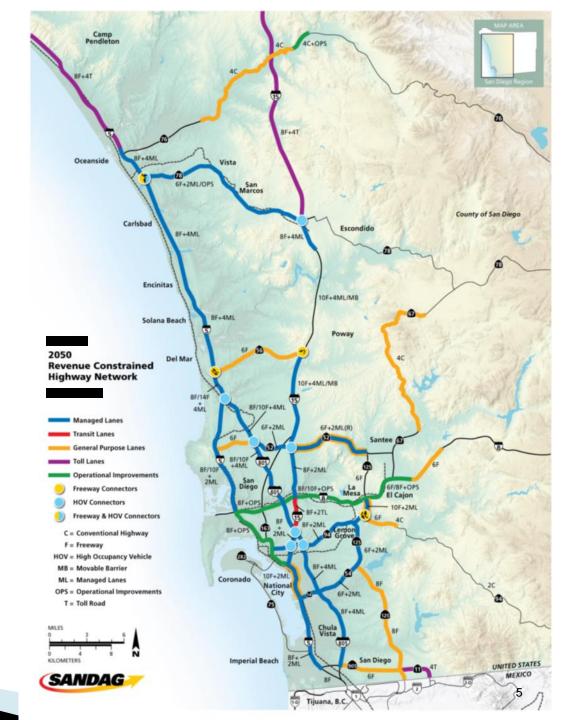
SANDAG'S 2050 REGIONAL TRANSPORTATION PLAN ADOPTION

2050 REGIONAL TRANSPORTATION PLAN

http://www.sandag.org/uploads/2050RTP/F2050rtp_all.pdf



2050 Highway Network



2050 Transit Network





South Bay Rapid

Chula Vista City Council Transportation Workshop February 5, 2015

Jennifer Williamson
Senior Transportation Planner



Project Overview

- 21-mile corridor
- Dedicated transit guideway
- 12 stations (first phase) 15 at full build out.
- Service every 10-15 minutes
- Included in TransNet

South Bay Bus Rapid Transit (BRT) Route Map

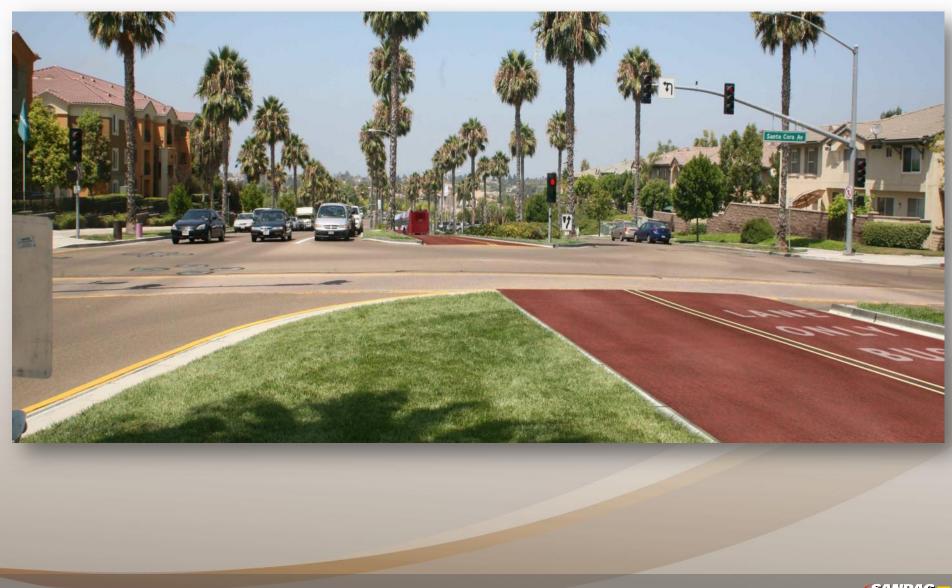








Typical Guideway



Approved Alignment Across SR 125

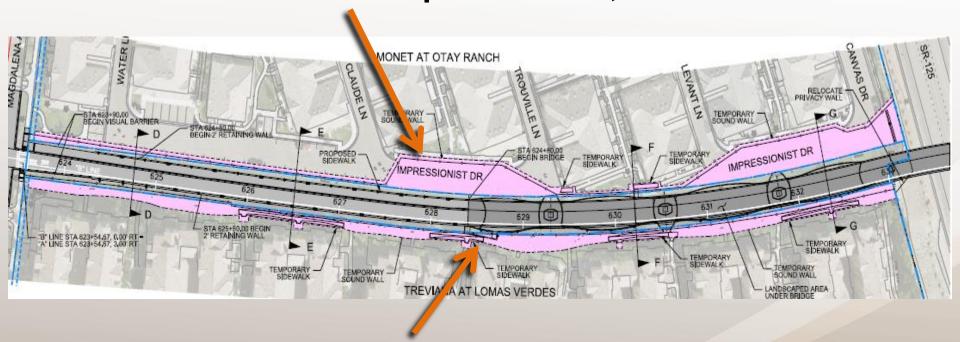


Guideway Simulation



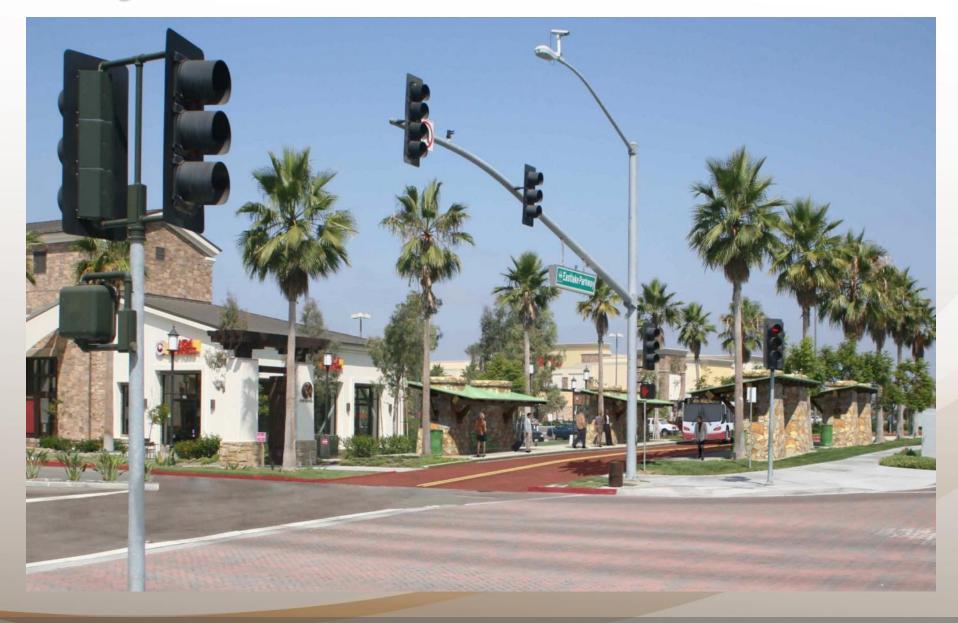
Temporary Construct Easements (TCEs)

Monet TCE Acquisition - 14,828 sf



Treviana TCE Acquisition - 10,603 sf

Otay Ranch Town Center Station



Otay Mesa Border Station



Current Status

July 2013: SANDAG Board of Directors certified the Final Environmental Impact Report (EIR) for the South Bay BRT project.

October 2013: Public workshops soliciting community feedback on design options.

Mid-2015: Construction on the guideway is scheduled to begin.

Mid-2017: Service starts.





I-805 South Project BUILDING CHOICES FOR SOUTH COUNTY

Ramon Martinez P.E. Project Manager, Caltrans













DAR/Transit Station and Park & Ride



Construction Update





Completed in 2014:

- Eight miles of new HOV lanes (one in each direction) between East Naples Street in Chula Vista and State Route 94 in San Diego opened in March 2014
- Ten sound walls built along route to reduce freeway noise and improve quality of life for nearby residents

Currently Underway:

- Construction of East Palomar Street DAR, Transit Station and Park & Ride in Chula Vista
- Addition of a northbound auxiliary lane and southbound outside through lane between State Route 54 and East Plaza Boulevard in National City









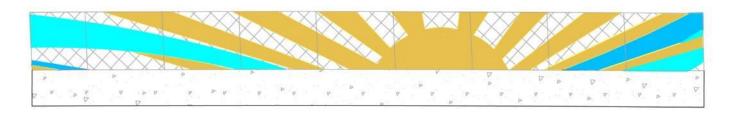


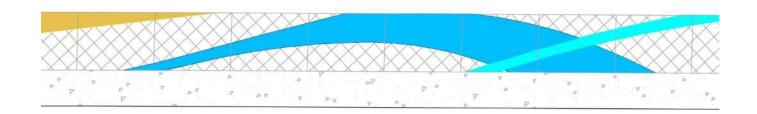




East Palomar Street Bridge Fence Enhancement Theme























East Palomar Street Direct Access Ramp and Transit Station



















For More Information



Websites:

KeepSanDiegoMoving.com 511sd.com dot.ca.gov/dist11

Social Media:







Construction Hotline:

1 (888) 941-5005

Email:

I-805South@KeepSanDiegoMoving.com





















Palomar Street Rail Grade Separation Study

John Dorow, P.E. Senior Engineer, SANDAG

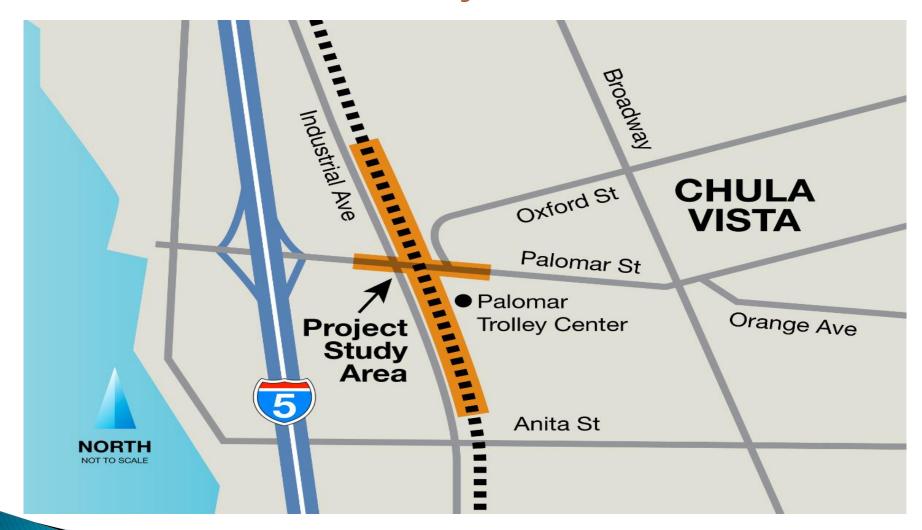
RAIL GRADE SEPARATION RANKINGS

- > 2050 RTP (Oct. 2013)
- #4 Palomar Street
- #5 H Street
- ▶ #6 E Street

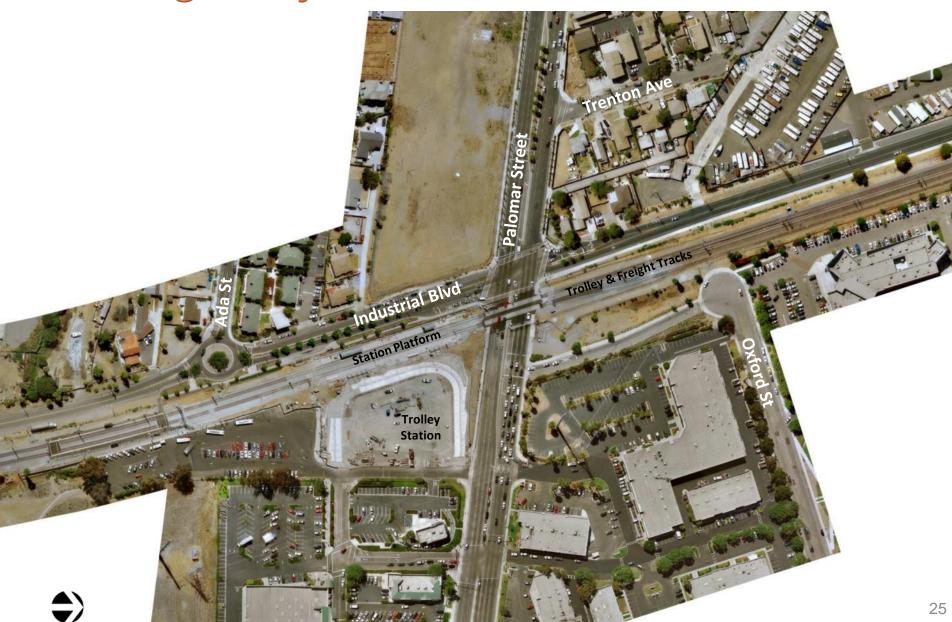
- SANDAG Update (June 2014)
- > #1 Palomar Street
- #4 H Street
- > #6 E Street

AT GRADE CROSSING LOCATION			RA	ANK		VEHICLE PER DAY ADT		~	TRAINS PER DAY		ACCIDENTS		TOTAL POINTS			ESTIMATED COST TO GRADE SEPARATE (\$2010) (MIL)				ASSUMPTIONS			
Washington, La Hawthorn, Grape Broadway Stree	, Ash			1		263,945			137		8		80.8			\$2,200				see note (1)			
Taylor Street, Sa				2	-	42,670			195		4		62.8			\$110				see note (4)			
Broadway, Lemo	on Gro	ve Ave,		3		40,403			144		2		57.8			\$80				light rail only (4)			
Lemon Grove Palomar Street,	Chula	Vista	+	4	+		337	_	206		0		55.5			\$40				ligh	light rail only (4)		
H Street, Chula	Vista			5		47.	596		206		0		53.3			\$40				light rail only (4)			
E Street, Chula Euclid Avenue, S	Vista San Di	iego		7	+-		658		206 144		0		50.3 46.3			\$40 \$40				ligh	light rail only (4) light rail only (4)		
Washington St./	Sassa	afras		8		30,345			206		0		46.3			\$150				light rail only (4)			
St., San Diego Vista Village Dri	ve/Ma	in	+	_	+	61.698			67				10.0										
Street, Vista				9		. ,			67		0		46.0			\$60				light rail only (2)			
Civic Center Drive, Vista 28th Street, San Diego				10 11	+	40,782 33,225			67 206	3	0			46.0 44.8			\$40 \$40				light rain only light rail only (4)		
Ash Street, San Diego				12	T	30,575			206		0		44.0			\$100				light rain only			
Broadway, San Diego Band Street, San Diego				13 14		27,845 32,470			206		0			43.3 42.5			\$110 \$40				light rain only light rail only (4)		
Allison Ave/University Ave/La				15		24,700			144		0		40.3			\$100				light rain only			
	Mesa Blvd, La Mesa Severin Drive. La Mesa			16	\pm	13,611			288		2		\pm	40.3			\$40				light rail only (4)		
Sorrento Valley				17	1	37,990			51	t	1			39.5			\$130				g. it itali orny (4)		
Diego Melrose Drive, Vista				18	+	25,921			67		0		31.8			\$40				light rail only (2)			
El Camino Real,	Ocea	ınside		19		35,911			67		0			31.7			\$40			ligh	t rail	only (2)	
North Drive, Vist Mar Vista Drive,	a Vista			20 21	-	8,793 9,665			67 67		0			29.5 28.8			\$30					n only n only	
os Angeles Drive, Vista			22	1	4,291			67		0		28.8		\$30				light rain only					
Grand Avenue/Carlsbad /illage Drive, Carlsbad			23		21,113			51		О		28.3		\$110									
Suajome Street, Vista				24		4,152			67 51		0		28.0		\$30			light rain only					
Tamarack Avenue, Carlsbad Cannon Road, Carlsbad				25 26	+	10,568 12,434			51		0		23.8 22.3		\$90 \$90								
eucadia Blvd., Encinitas			27		34,000			51		1		22.0		\$90 \$3.940			see note (3)						
tere	City .	Droomsiminal Cost (\$2014) (odliore)	Average Daily Traffic	Trains No Cay	pg Aren Funtor (M)	(2) FORE Penter (5-0)	DAD PAGE	[38] Community of Community on	[Q Box Ope	[i] Small is Strangerory	N Anables	[7] Proximity to Nobe Seculine	руска	[6] Serves SCP Smart Growth	[10] Truck Projekt	pq	[12] Project Cont Minutes	[14]	-	MENUMED Top Chara	Rey 18 Sen		
New York	Chile Vete	\$41	66,386	_				PI		American [4]	Manual Said	Receive Receptors (4)	- P.	Areas [7]	Protect Open (3)	Respond (4)	ress (II)	[24]	Born	Ran Chaps Formani Draft Rank	Diago Foresed Creft Rank	And Conseponding	
Strationylamous Grown from	Lance Grove			206		-	,	N .	1	American (c)	- Carrier Control	Amalia Amajors (4)		Areas [7]	Ope (D)	Respond (4)	1000 [3]	PE	0.0	Personal Cred Serie	Creft Flank		
Ash Street		\$10	40,400	306		11	1	PI 2	1	9		Sanative Sanative (4)	*	Anna (7)		Amparel (C)	1000 [6]	PRI HAR		Foreset Dref Rasis	Formeri Creft Rank	And Consignation Capitalis	
H Reed	Sen Diego	\$10	40,603 30,878	_	_		_	_	_	farten(i)	4	Acceptors (4)		Armen (7)	3	_	mess (II)	(7.60 (9.61	6.6	Dreft floris	Creft Rank	Capit Na	
	San Diego Chair Visio			966	4	11	u	2	1	4	3	Acceptors (4)	1	4 T	3	0	1 mee [2]	-	6.0	Cref face	Orest Rands	Capit Rel Capit Rel Capit Resy Rel	
Westington Street		\$10	30,879	106	1 2	"	0	2	0	_	8	Amagiars (4)	1	Anna (7)	1	- 1	1		6.0 6.4	Del fasi	Orest Rands	Contract Contract	
Medicalis Simel	Chia Van	\$10	30,878 81,880	186	1	11	0	2	0	9	3	Recognition (IQ	1	4 7	1	0	1	18.00	6.0 6.4 6.8	Coal face	Coel Rack	Light fiell Light fiell Light fiell	
	Chile View Sen Diego	\$41 \$41	30,876 81,880 30,348	198	1 2	11	0	2 2	0	1	3	* 2 2 4 0	1 1	6 7 3	1	0	1	18.00	6.0 6.4 6.4 6.0	Coal face	Dreft Rank	Light Fall Light Fall Light Fall Light Fall	
E Sent	Chair View Ann Dings Chair View	\$40 \$41	30,878 61,865 30,348 30,760	164 138 238 131	2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	0 0	2	0	1	3 8	2 2 0	1 1 1 1	4 7 3 1 4	1	0 0	1	18.65 18.65 18.61	6.0 6.9 8.8 8.0 8.0	Credition	Cref Resid	Copie field Light field Light field Light field Light field Light field	
E Seed Frankey	Chair View San Dings Chair View San Dings	\$10 \$10 \$10	30,876 61,865 30,348 30,763 27,848	94 98 98 98 98	1 2 0	11 11 11 11 11 11 11	1 1 2	2	1	1	3 8 8	2 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	1	0 0	1	10.81 10.81 10.81 10.81	80 84 80 88 88	Cref face	Cref Rasis	Capit Not Light Not Light Not Light Not Light Not Light Not Light Not	
E Breet Broadway Topic Breet	Code Vision Sen Chaps Sen Chaps Sen Chaps	\$10 \$11 \$11 \$10 \$10 \$10	30,878 41,860 30,348 30,763 27,848 42,870	164 128 238 238 238 180	1 1	11 11 11 11 11 11 11	1 1 2 2	1	2 0 2 1 2 2 4	4	3 3 3	3 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* * * * * * * * * * * * * * * * * * *	1	0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.65 18.65 18.65 18.65 18.61	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Dreft face	0 3 6 6 6 7 7 7	Light field Light field Light field Light field Light field Light field Light field Light field	
E Street Roundway Taylor Street Exactle Ave	Chair View San Diago Chair View San Diago San Diago	\$10 \$41 \$41 \$40 \$10 \$10 \$41	30,878 81,880 30,548 58,780 27,848 42,870 37,000	164 138 138 136 130 130 130	1 1 4 2	# # # # # # # # # # # # # # # # # # #	1 1 2 2 2	2 2 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1	2 3 8 8	* 2 2 4 0 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 3 1 4 7 2 3 3	1 1 1 1 1 1 1 1 1	0 0 0 0 0	**************************************	18.83 18.83 18.83 18.81 18.81	ER ER ER ER	2 3 4 5 7 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 3 6 6 7 7 7 9	Light field Light field Light field Light field Light field Light field Light field Light field Light field	
E Reset Resetvey Topic Reset Euclid Are 200 Seed	Chair View Sen Diego Chair View Sen Diego Sen Diego Sen Diego	\$100 \$40 \$40 \$100 \$100 \$40 \$40 \$40	30,678 67,668 30,368 30,760 27,668 42,670 37,600	198 298 198 198 190 198 144 298	3 0 1 4 2 4	11 11 11 11 11 11	1 1 2 2 2 0	2 2 1 2 1	3 1 3 1	4 0 4 1 4 2	3 3 2 0 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	1 1 1 1 1 1 1 1 1	0 0 0 0 0 0	**************************************	18.65 18.65 18.61 18.61 18.61 18.61	EA E	3 3 4 5 7 7 7 8 10 10 10 10 10 10 10 10 10 10 10 10 10	3 4 6 7 7 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Cyclife Cyclif	
Reading Trajer Read Entitle Read Entit Are 200 Read Soul Read	Chie Ven Am Days Chie Ven Am Days Am Days Am Days Am Days	\$10 \$40 \$40 \$10 \$10 \$10 \$40 \$40 \$40 \$40	30,879 81,880 30,368 39,760 27,868 42,870 17,000 33,208 12,470	984 998 998 998 998 998 998 998 998	1 4 2	11 11 11 11 11 11 11	1 1 2 2 2 2 0 0	2 2 1 2 1 2 1 2 2	2 4 3 1	4 0 4 1 4 2	8 8 8 3 2 4		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 3 1 3 2 2 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.81 10.83 10.81 10.81 10.81 10.81	ER ER ER ER ER ER	2 3 4 6 7 7 7 8 10 10 11 11 11 11 11 11 11 11 11 11 11	3 4 6 6 7 7 7 9 10 11	Care file Light file L	
Filter Tracking Track Need Endel Are 300 Seed Sold Seed Onloader She	Chile View Ren Chaps Chile View San Chaps San Chaps San Chaps San Chaps San Chaps San Chaps	1/13 1/13	30,878 61,860 30,568 30,760 27,868 42,670 31,000 33,208 32,670 34,948	084 086 086 086 086 086 086 086	1 1 2 2 3 3	11 11 11 11 11 11 11 11 11 11 11 11 11	1 1 2 2 2 0 0 CA	2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 2 1	3 3 8 8 3 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 2 6 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1880 1880 1880 1881 1881 1881 1881 1881	ER E	2 3 8 8 7 7 7 8 10 10 11 11 11 11 11 11 11 11 11 11 11	3 3 4 6 7 7 7 9 10 10 11 11 11 11 11 11 11 11 11 11 11	Copy file Light f	
Training Tra	Code View Ren Chaps Sen Chaps Ren Chaps Ren Chaps Ren Chaps View Henchilds	2013 194 194 195 195 196 196 196 196 196	30,878 67,866 30,348 38,780 27,848 42,870 17,000 33,208 32,670 34,948 27,823	044 036 036 036 036 036 036 036 036 036 036	1 4 3 3 3 3	11 11 11 11 11 11 11 11 11 11 11 11 11	1 1 2 2 2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4	2 2 4 2 4 4 4	3 1 3 4 3 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 4 4 2 1	3 3 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	* 3 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 2 3 2 6 3 3 3	1 1 2 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 4 2 4 4 8 3 3	15.00 15.00	EAR ALE		3 6 6 7 7 7 9 10 10 11 12 12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	Copy file Light f	
Train Name Train Name Train Name Train Name Stati State Onlocate Stat And Palmay and Malia Amana	Chile View Ann Degra Chile View Ann Degra Ann Degra Ann Degra Ann Degra View Passendata Ann Degra	\$100 \$41 \$41 \$40 \$100 \$41 \$41 \$41 \$41 \$41 \$41 \$41 \$41	30,879 81,866 30,368 30,760 27,868 42,870 27,800 32,870 32,870 32,870 32,870 32,870 32,800	044 036 036 036 030 030 030 030 030 030 030	4 2 4 2 3 3 2 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 2 1 1 0	2 4 3 1 1 0 1 2	4 4 2 1 1 2 1 1	3 3 3 3 3 4 4 4		1 1 1 1 1 2 4 2 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1	7 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9 1 1 1 2 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1840 1840 1840 1841 1841 1841 1840 1840	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Deal face 1 2 3 4 5 7 7 8 19 19 11 12 13	3 8 6 6 7 7 9 10 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	Cape No. Lape No.	
Training Tra	Code View Sen Depo Code View Sen Depo S	100 His 100 Hi	30,878 81,886 30,348 28,750 27,868 42,670 31,208 12,670 34,948 27,620 21,700	044 039 040 040 040 040 040 040 040 040 040 04	4 2 4 2 3 3 2 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 2 1 1 0 1 1	2 0 2 1 2 2 4 3 4 1 0 0 1 1 2 2 2	4 9 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 6 8 3 2 6 1 1 1 1	* 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 2 4 2 2 3 3 3 3 2 4 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 1	Annua (7) 4 4 7 9 1 8 2 3 3 3 4 4	1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 4 2 4 4 8 3 8 6 0	1880 1880 1880 1880 1880 1880 1880 1880	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Deal tes. 1 2 3 4 6 6 7 7 7 8 60 60 60 60 60 60 60 60 60 60 60 60 60	Deal Facilities 3 4 4 7 7 9 10 11 12 13 14 16 16 17 18	Cape Notice Specified Cape Notice Specified Cape Notice Cape Notic	
Filter Tracking Track Fixed Findshive 200 Seed Total Seed Total Seed Total Seed Anti-Patricy and Make Amena Amena Anti-Patricy and Make Amena Amena Anti-Patricy and Make Amena Make Date Anti-Patricy Make Date Make D	Code View Sen Drays	100 100 100 100 100 100 100 100 100 100	30,878 81,887 30,348 28,750 27,868 12,670 31,208 27,620 27,620 31,300 26,700 8,700 8,700	044 (086 (086 (086 (086 (086 (086 (086 (086	1 1 2 2 3 3 3 2 2 2 1	11 11 11 11 11 11 11 11 11 11 11	1 1 2 2 2 2 2 0 0 14 14 14 14 14 14 14 14 14 14 14 14 14	3 3 4 3 4 4 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 2 4 3 4 1 0 4 2 2 4 1	4 9 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		3 3 4 2 3 3 3 2 1 1 2 1	Annum (7) 6 6 7 9 1 8 7 2 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 4 2 4 4 8 3 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1880 1880 1880 1881 1881 1881 1881 1880 1800 1	ELG ELG ELG ELG ELG ELG ELG ELG ELG ELG	Del fee	Dark Fact. 3	Capit No. Lapit	
Filter Finality Tryle Read Final-Ne 200 Steel Storic Steel Storic Steel And Steel	Chile View Sen Degra Chile View Sen Degra	100 HI 10	30,878 87,886 30,348 27,868 42,879 27,900 13,208 12,679 34,948 27,823 17,900 24,700 8,700 8,700	064 086 086 086 086 086 086 086 086 086 086	4 2 2 4 4 2 2 2 2 2 2 2 1 1 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 4 3 4 4 0 4 3 3	2 0 1 2 2 4 3 1 1 0 0 1 1 2 2 1 1 4 4	4 4 4 4 4	3 3 6 8 6 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6	Remarkers (4) 2 3 0 0 0 0 0 4 4 4 0 4	3 3 4 3 3 3 3 3 3 3 3 4 1 1 1 1 1 1 1 1	Amm (7) 4 7 7 3 0 3 0 3 0 4 1 4 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	**************************************	18.00 18.00	6.0 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	Del fee 2 3 6 6 7 7 8 90 91 92 93 94 95 96 97 98 98 98 98 98 98 98 98 98	Darl Facilities	Capit No. Light No.	
Element Standardy Track Stand Standardy Track Stand Standard Stand	Chair View Sen Degre	100 100 100 100 100 100 100 100 100 100	20,878 41,886 20,348 18,750 27,868 42,879 31,208 12,479 34,948 27,620 24,700 4,700 4,700 4,700 4,311	064 026 026 026 026 026 026 026 026 026 026	4 2 2 4 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 4 2 2 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 4 4 2 4 4 2 4	2 0 1 2 2 4 2 2 1 1 4 0 0	4 4 4 4 0	3 3 4 3 3 4 4 4 6	Remarkers (4) 2 3 6 0 2 0 0 2 0 4 4 4 0	3 3 4 2 3 3 3 2 2 1 1 1 1 1	Annum (7) 6 6 7 7 2 3 3 3 6 4 1 6	1 1 1 1 1 1 1 2 2 2 3 2 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	1840 1840 1840 1840 1840 1840 1840 1840	6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	Del fee 2 3 6 6 7 7 8 90 91 92 93 94 94 95 96 97 97 98 98 98 98 98 98 98 98	Dark Facilities 2 2 5 6 6 7 7 7 9 60 61 62 63 64 65 67 77 77 97 70 70 70 70 70 70 70 70 70 70 70 70 70	Capit No. Light No.	
Taken Touristy Tou	Chair View Sen Degra Grain View Sen Degra Sen Degra Sen Degra Sen Degra View Sen Degra View Sen Degra View Sen Degra View Sen Degra La Mere View View Commodite Commod	100 100 100 100 100 100 100 100 100 100	20,879 20,368 38,975 27,868 42,879 27,868 42,879 21,679 24,679 27,860 24,700 4	064 086 086 086 086 086 086 086 086 086 086	4 2 2 4 4 2 2 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	1 1 2 2 2 2 2 0 0 1 1 1 1 1 1 1 1 1 1 1	2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 0 0 1 1 2 2 1 1 1 2 2 1 1 4 0 0 1 1	4 4 4 4 4 4	3 3 3 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Remarker (6)	3 3 4 2 2 3 3 3 2 2 1 1 1 1 1 1 1	Annum [7]	1 1 1 1 1 1 1 1 2 2 2 3 2 3 3 3 3 3 3 3		1	18.00 18.00	6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	Delifes	Darl Facilities	Capit No. Light No.	
Filed States Sta	Chair View Ren Degra Sen Degra Sen Degra Sen Degra Sen Degra Sen Degra View Sen Degra Sen	100 66 100 100 100 100 100 100 100 100 1	10,879 11,860 10,580 10,580 10,580 11,080 11,090 11,000 11,000 11,000 11,000 11,000	044 086 086 086 086 086 086 086 086 086 086	4 2 2 4 4 2 2 2 2 2 1 1 2 2 2 2 2 2 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	1	2 2 4 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 0 0 1 1 2 2 1 1 1 2 2 1 1 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		3 3 4 2 3 3 3 2 2 1 1 1 1 1 1 1 1 1 1	Amm (7) 4 4 7 9 1 8 2 2 2 2 3 0 4 1 4 2 1 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			18.00 18.00	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	2 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 3 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Control Specification of the Control Specific	
ESAND Fresh See	Chair View Ann Dispo Chair View Ann Dispo Units Bearmaile Ann Dispo La Mese Units La Mese Committe Carlated Units	100 66 100 100 100 100 100 100 100 100 1	10,879 11,860 20,585 10,780 17,000 11,256 12,670 13,256 12,670 14,986 27,620 17,980 24,790 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700 4,700	104 105 105 105 105 105 105 105 105 105 105	4 2 2 4 3 3 2 2 2 1 1 2 2 2 2 2 3	11 11 11 11 11 11 11 11 11 11 11 11 11	1	2 2 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 1 1 1	2 0 0 1 1 2 2 4 3 1 1 1 1 2 2 1 1 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 2 1 4 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4	3 3 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 3 3 4 2 4 2 3 3 3 2 2 1 1 1 1 1 1	Amm (7) 4 4 7 9 1 8 2 3 3 3 0 4 1 4 7 1 8 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			15.60 15.60 15.60 15.60 15.61 15.61 15.60	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Delifes	2 3 6 6 6 6 7 7 7 9 10 10 11 11 11 11 11 11 11 11 11 11 11	Gentle Ge	
Taken Street Stre	Chair Vall An Days An	100 100 100 100 100 100 100 100 100 100	10,879 11,860 20,568 10,750 27,860 42,870 13,259 13,259 13,259 13,259 13,259 14,368 27,620 17,360 24,427 4,361 13,600 24,427 4,361 14,600 24,427 4,430 24,427 4,430 4,44	1044 1086 1086 1086 1086 1086 1086 1086 1086	4 2 2 4 3 3 3 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 1 2 2 2 2 1	11 11 11 11 11 11 11 11 11 11 11 11 11	1	2 2 1 2 2 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1	2 0 0 1 1 2 2 1 1 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 2 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 2 2 2 2 7 6		3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Amm (7) 4 7 2 3 3 4 4 4 2 1 8 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			18.60 18.60	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	2 2 3 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	control spectrum of the control of t	
Filed Towards	Chair Vall Am Days Am	100 100 100 100 100 100 100 100 100 100	24,600 10,500 10,500 10,500 10,500 17,500 10	1044 1086 1086 1086 1086 1086 1086 1086 1086	4 2 2 4 4 3 3 2 2 2 4 4 2 2 2 4 4 4 4 4	11 11 11 11 11 11 11 11 11 11 11 11 11	1	2 2 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 2 2 1	2 0 0 1 1 2 2 4 4 2 2 2 1 4 4 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 1 1 2 2 1 1 4 4 4 8 8 8 4 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 8 8 3 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 3 4 2 2 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Amm (7) 4 7 2 3 3 4 4 4 4 2 4 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8	8 4 4 4 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3			15.00 15.00	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	Delifes	2 3 6 6 6 6 7 7 7 8 10 10 11 11 11 11 11 11 11 11 11 11 11	CONTROL CONTRO	

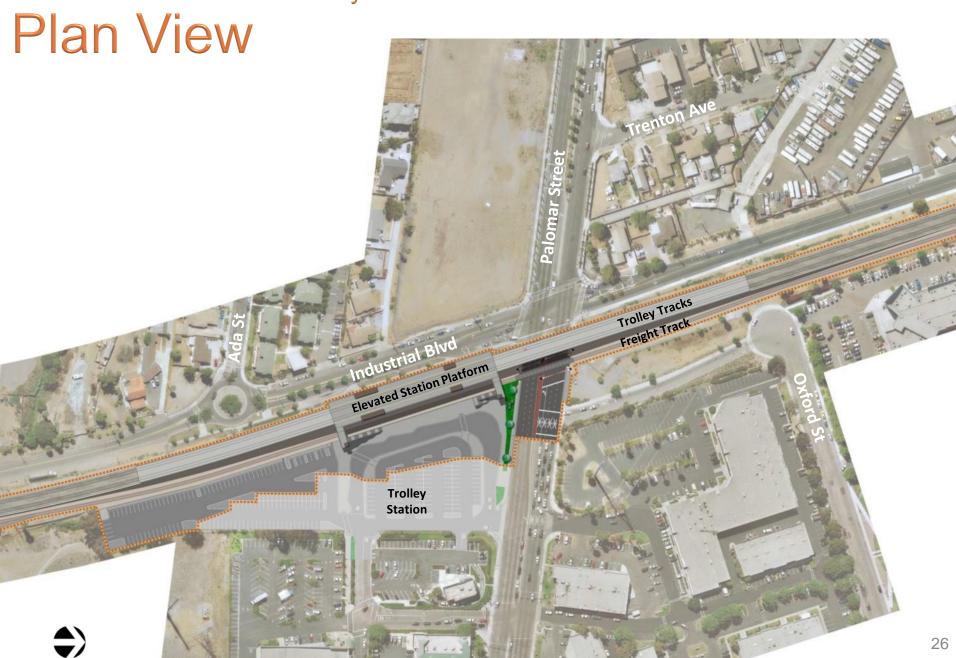
Palomar Street Project Location



Existing Project Site

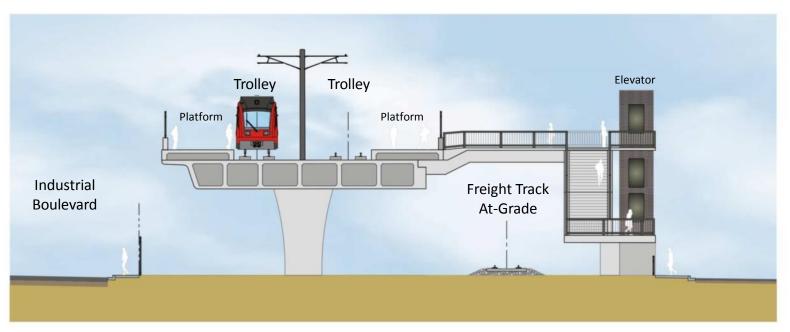


Alternative P2: Raise Trolley over Palomar Street



Alternative P2: Raise Trolley over Palomar Street

Typical Sections



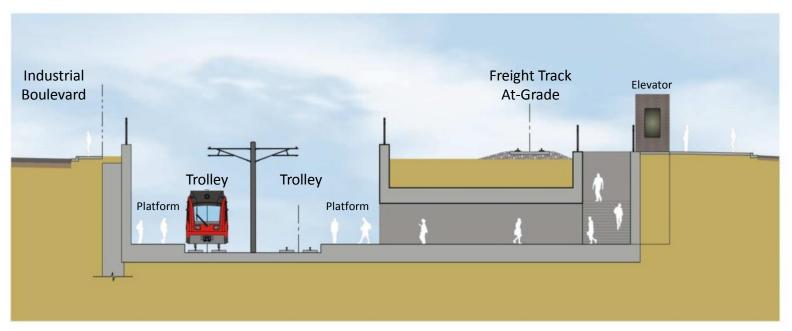
Bridge Section at Trolley Station

Alternative P4: Lower Trolley under Palomar Street



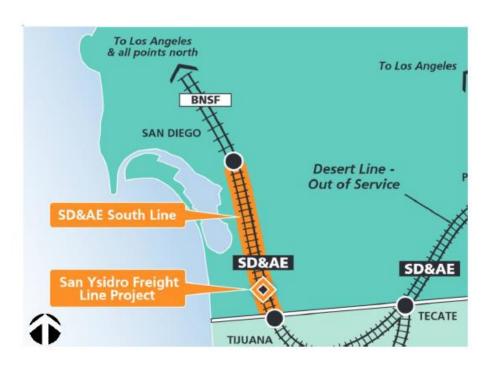
Alternative P4: Lower Trolley under Palomar Street

Typical Sections



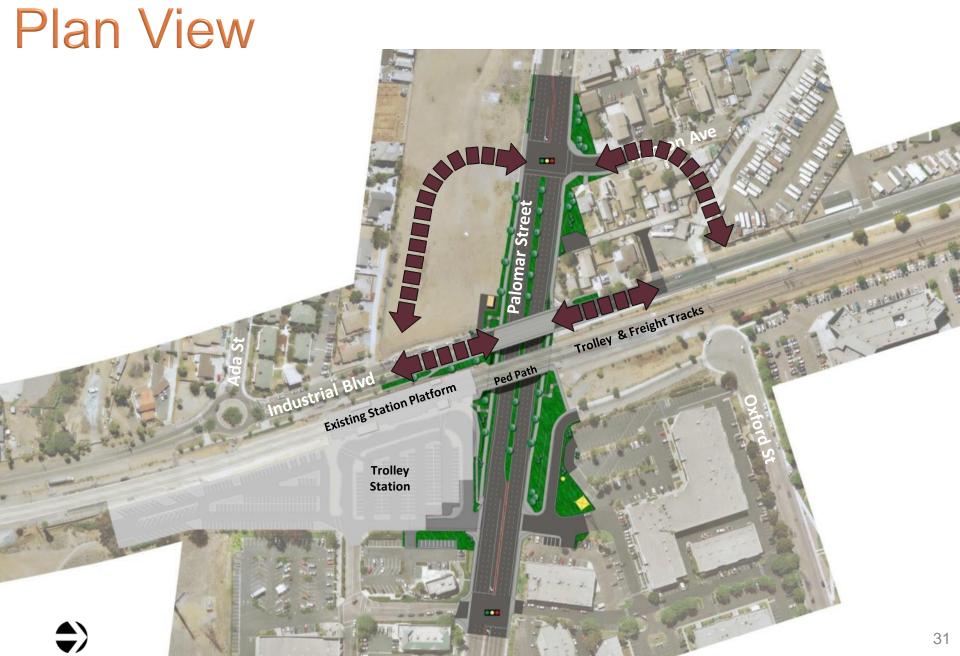
Trench Section at Trolley Station

SANDAG South Line Freight Rail Capacity Project



- \$51M Project
- Requires two tracks to accommodate increased capacity
- Construction completion: Anticipated 2016

Alternative P5: Lower Palomar Street Under Trolley



Alternative P5: Lower Palomar Street Under Trolley

Typical Section



Palomar Street Roadway Undercrossing

Existing view from Palomar Street

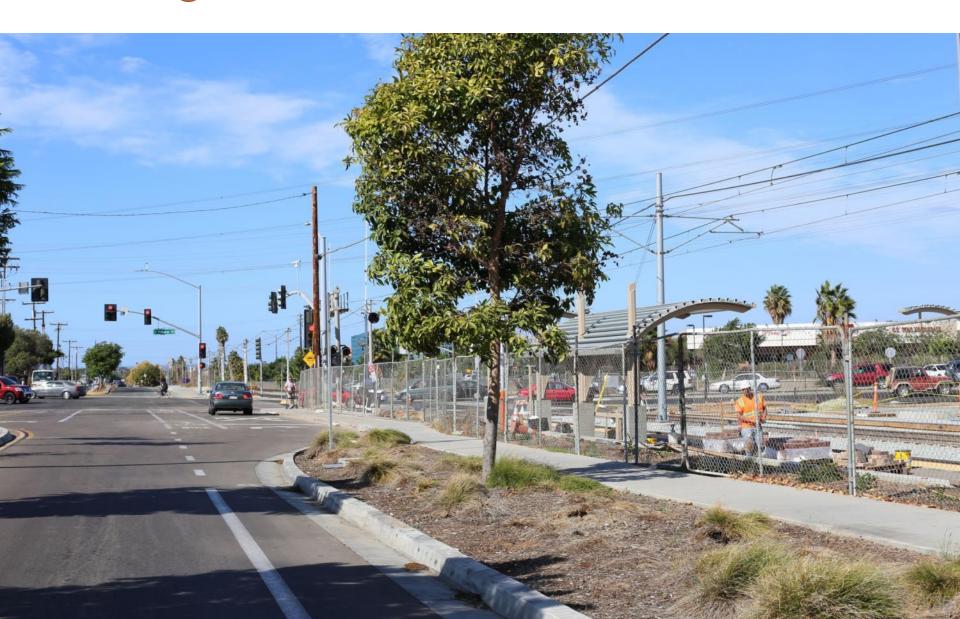


Alternative P5: Lower Palomar Street Under Trolley

View Looking West on Palomar Street



Existing view from Industrial Blvd



Alternative P5: Lower Palomar Street Under Trolley

View Looking North on Industrial Blvd



Next Steps

- Over the next 12 months:
 - Refine Palomar Street roadway undercrossing alternative
 - Prepare Palomar Street Project Report
 - Prepare Environmental Document
 - Develop funding and implementation plan

Light Rail / Freight Rail Corridor Improvements

- At grade crossing improvements
- Low floor vehicle procurement
- Freight Rail improvements
- E Street grade separation study
- > H Street grade separation study
- Palomar Street grade separation study





Project Initiation Document

I-5 South Multimodal Corridor Shared Light Rail Transit/Freight Rail Improvements

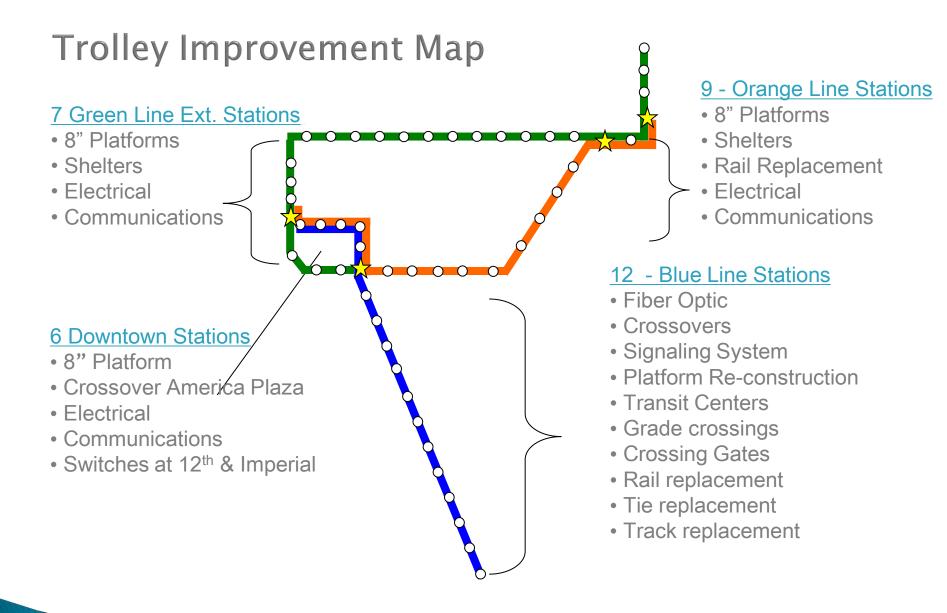


SanDAG

San Diego's Regional Planning Agency
San Diego Association of Governments

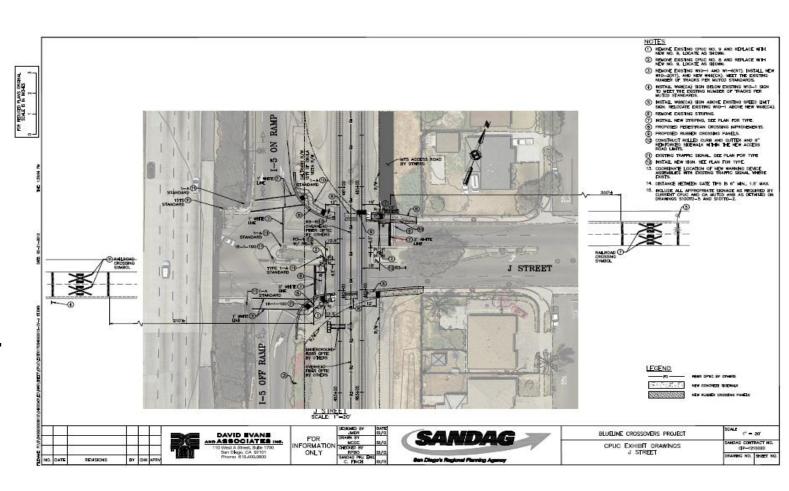
www.sandag.org

October 29, 2010



BLUE LINE AT-GRADE RAIL CROSSING IMPROVEMENTS

- E Street
- F Street
- H Street
- J Street
- L Street
- Moss St.
- Naples St.
- Anita St.
- Main St.FreightBridge



Rail Crossing Improvements



E Street

Rail Crossing Improvements



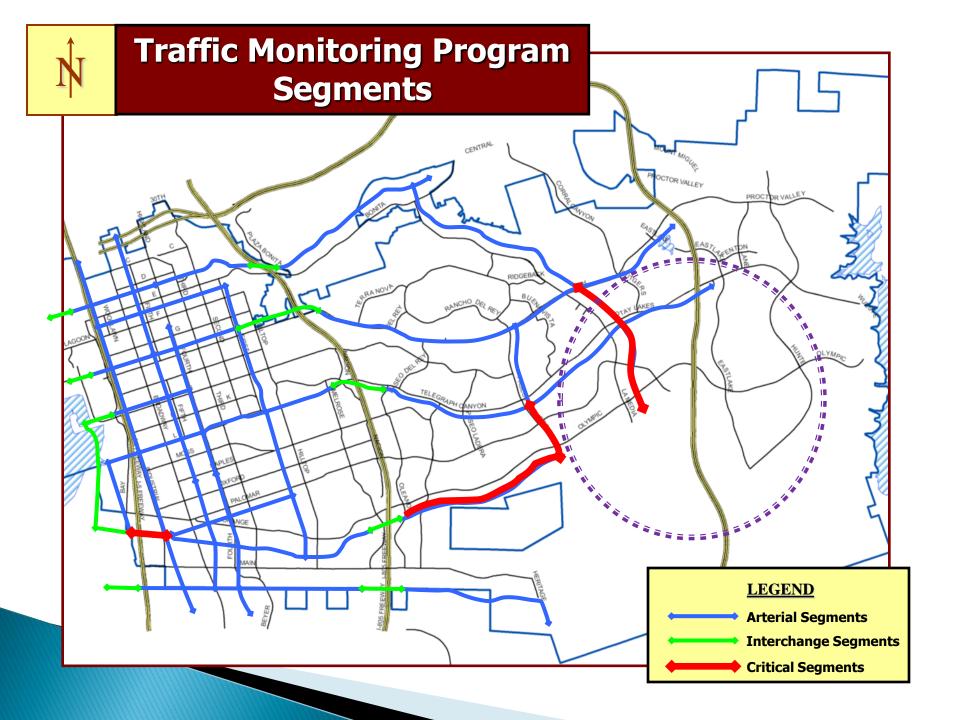
Rail Crossing Improvements



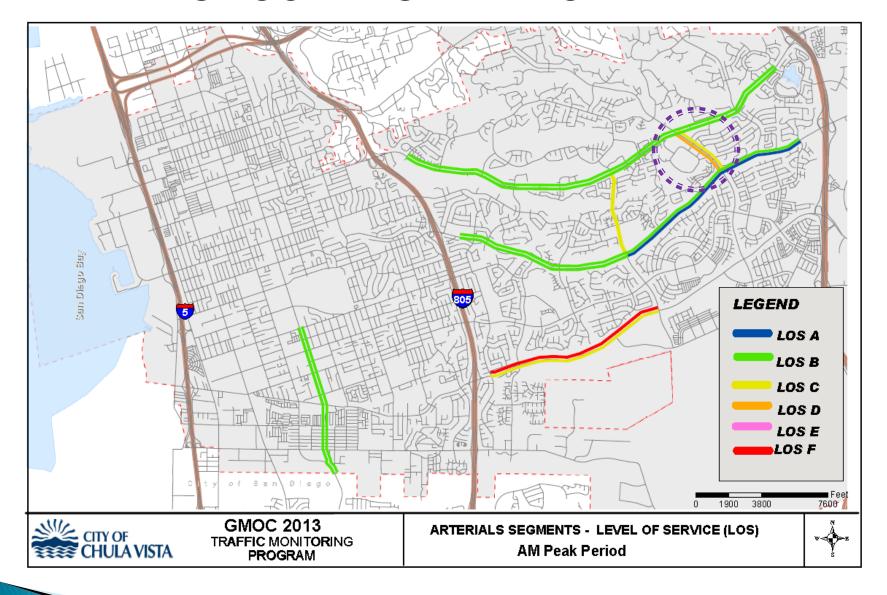
Main Street

➤ New Main Street Freight Rail Bridge

LOCAL ARTERIAL ROADWAYS



GMOC ANNUAL REPORT



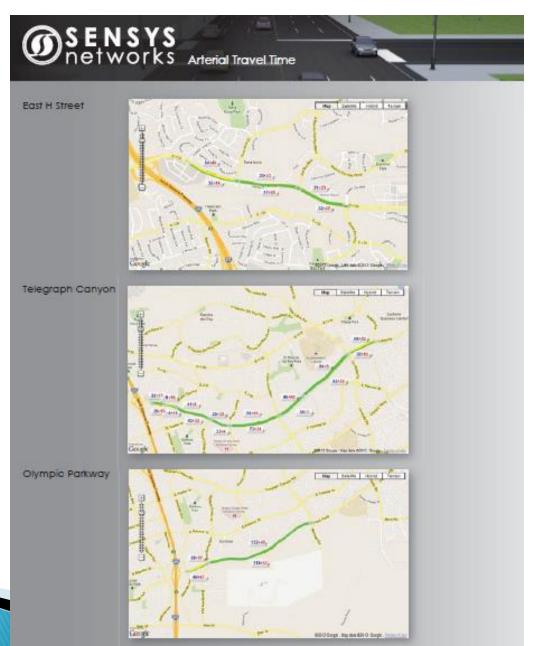
ARTERIAL DETECTION PROGRAM



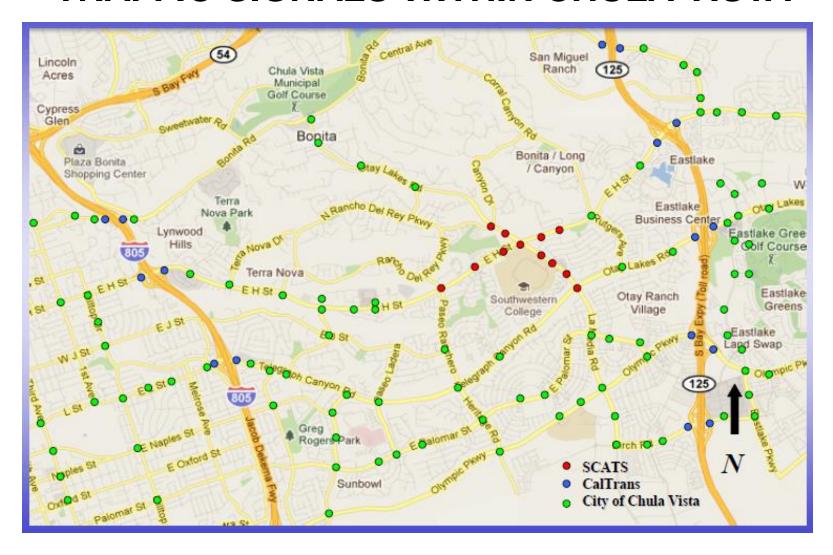


Wireless detector installation on East H Street, Telegraph Canyon Rd and Olympic Parkway

ARTERIAL REAL TRAVEL TIME MAPS

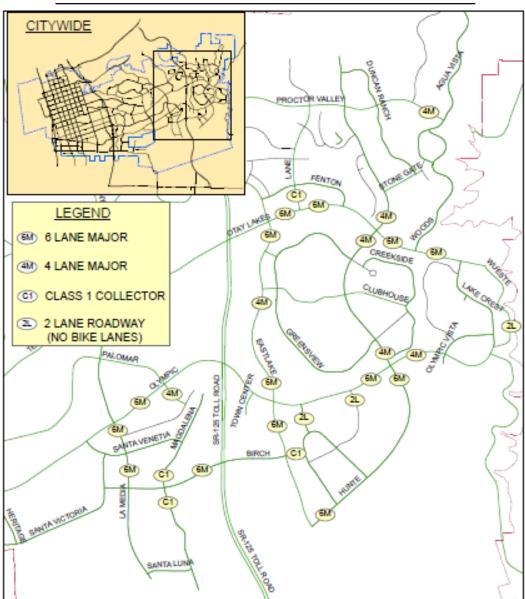


TRAFFIC SIGNALS WITHIN CHULA VISTA



TRAFFIC COUNT STATIONS





BEFORE STREET IMPROVEMENTS INTERSECTION OF OTAY LAKES ROAD AND EAST "H" STREET



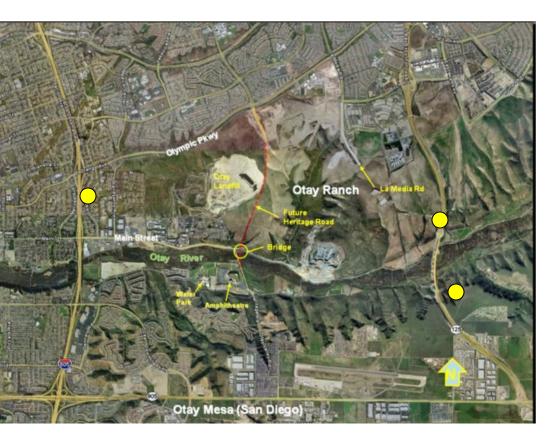
AFTER STREET IMPROVEMENTS INTERSECTION OF OTAY LAKES ROAD AND EAST "H" STREET



AFTER STREET IMPROVEMENTS INTERSECTION OF OTAY LAKES ROAD AND EAST "H" STREET



HERITAGE RD BRIDGE UPDATE



Advertise: July 2016

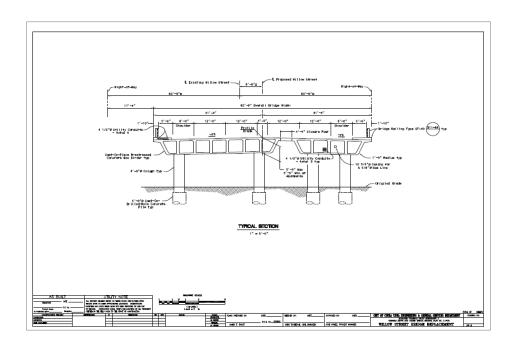
Construction: November 2016

Completion: January 2018





WILLOW ST BRIDGE UPDATE



Advertise: June 2015

Construction: November 2015

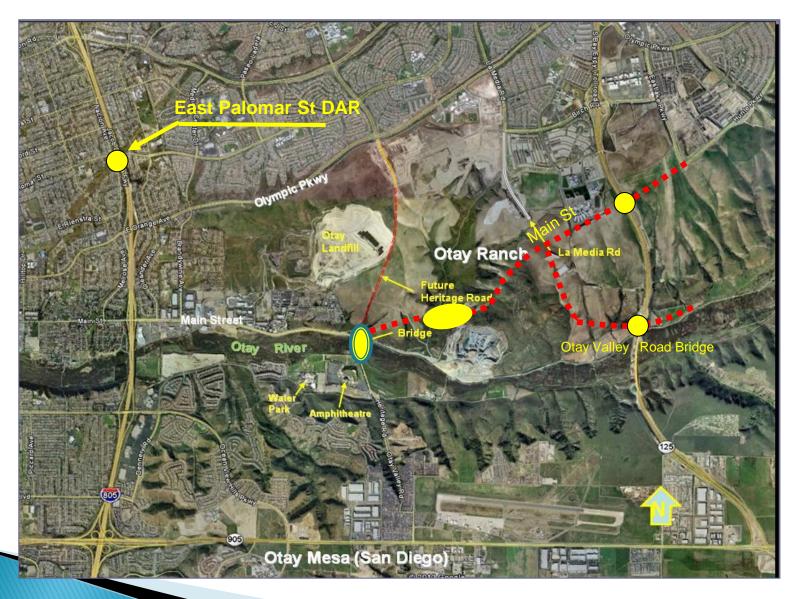
Completion: October 2017

Jose Gomez, P.E., P.L.S. Principal Civil Engineer Public Works Department

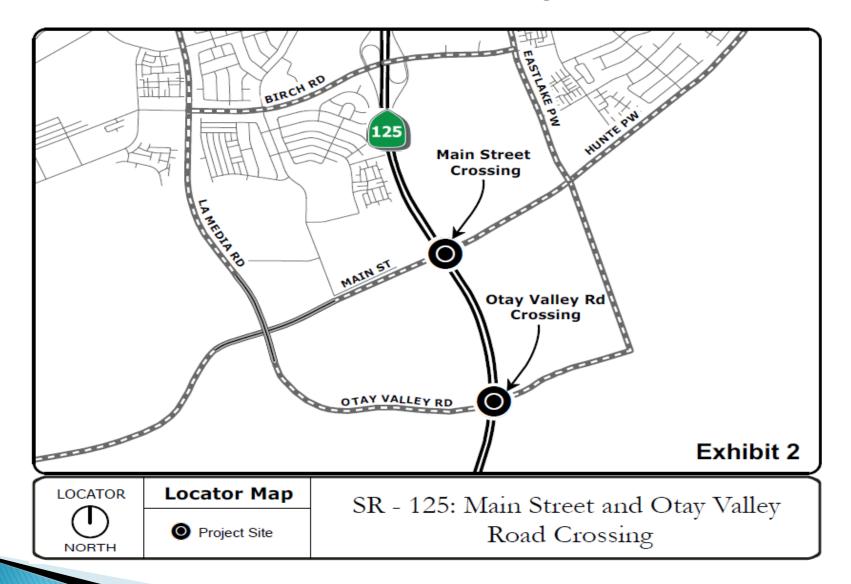




FUTURE ROADWAY PROJECTS



Future SR-125 Interchanges

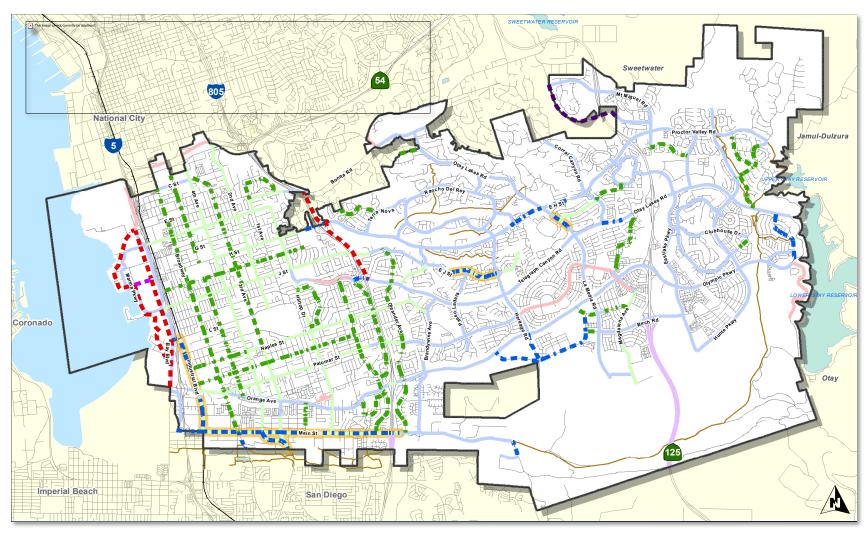


BICYCLE PROGRAM

http://www.chulavistaca.gov/City_Services/Development_Services/Engineering/BikewayMasterPlan.asp



PROPOSED BICYCLE FACILITIES



City of Chula Vista Bikeway Master Plan 2011

Bicycle Friendly Community

- Bronze level award
- 303 Bicycle Friendly Communities in 48 states across America
- 120 miles dedicated bike paths, lanes and routes.
- Over 45 additional miles proposed
 Bikeway Master Plan.



THE LEAGUE

OF AMERICAN BICYCLISTS

since 1880

is pleased to designate

CHULA VISTA, CA

as a

BICYCLE FRIENDLY COMMUNITY

in recognition of your outstanding efforts to encourage bicycling in your community

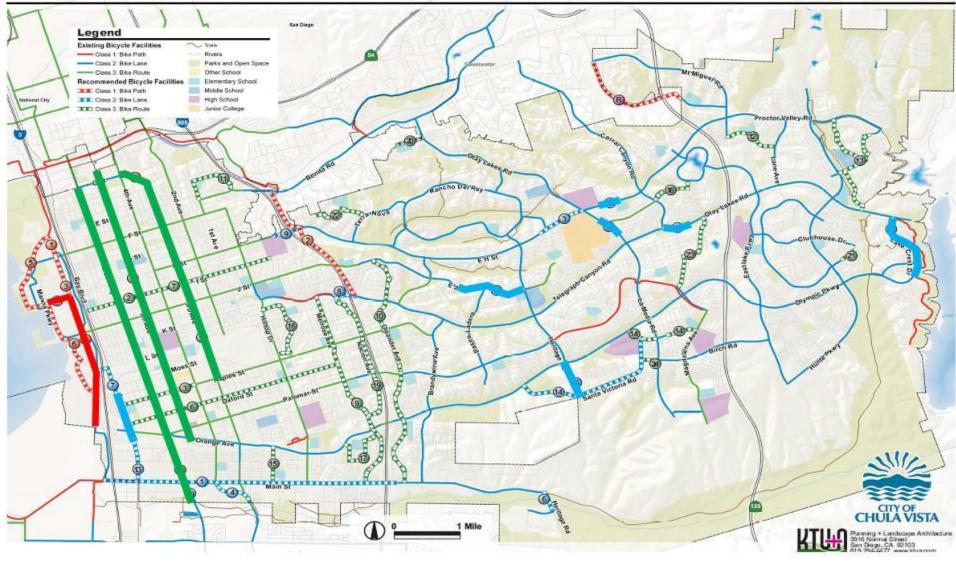
2014-2018 » BRONZE

NA PRIA DAT



REALE, BOARD OF DIRECTORS

City of Chula Vista - Bikeway Master Plan Update - 2011



Capital Improvement Projects

Total Projects 48

• **Completed** 16, 33%

Class I (Bike Paths)

8 projects 2 completed, 25%

Class II (Bike Lanes)

16 projects \longrightarrow 9 completed, 56%

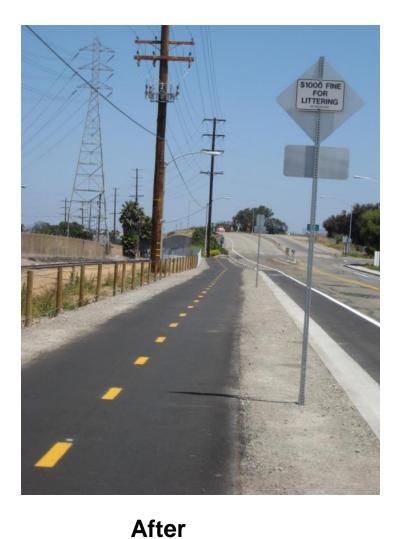
Class III (Bike Routes)

24 projects 5 completed, 21%



Bayshore Bikeway

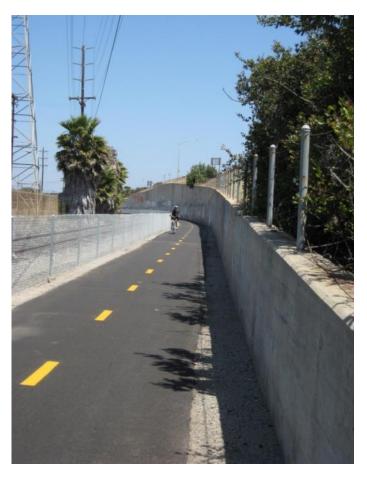




Before

Bayshore Bikeway







E-H Street - Intersections/Segments





Bayshore Bikeway

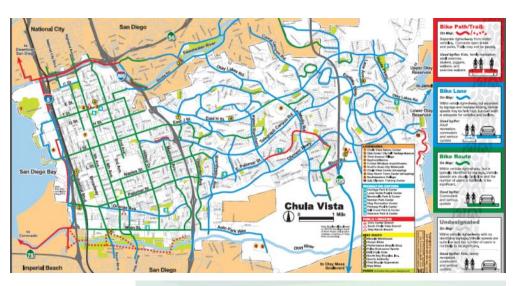
E-H Streets • Chula Vista













Bike Chula V









Association of REALTORS®







Come Ride or Run With Us!



Benefiting The EastLake Educational Foundation

April 25, 2015

- 100K Cycling Tour
- 25 Mile Marty Garcia Memorial Ride
- 18 Mile Mountain Bike & Poker Ride (Prizes at the end of the ride for the best hands)
- 5K Family Roll & Stroll
- · 10K Run
- · EastLake Half Marathon

First Event Begins at 7:30am

Located at the Otay Ranch Town Center 2015 Birch Road, Chula Vista, 91915





PEDESTRIAN PROGRAM

PEDESTRIAN MASTER PLAN

CITY OF CHULA VISTA PEDESTRIAN MASTER PLAN

CHULA VISTA, CALIFORNIA



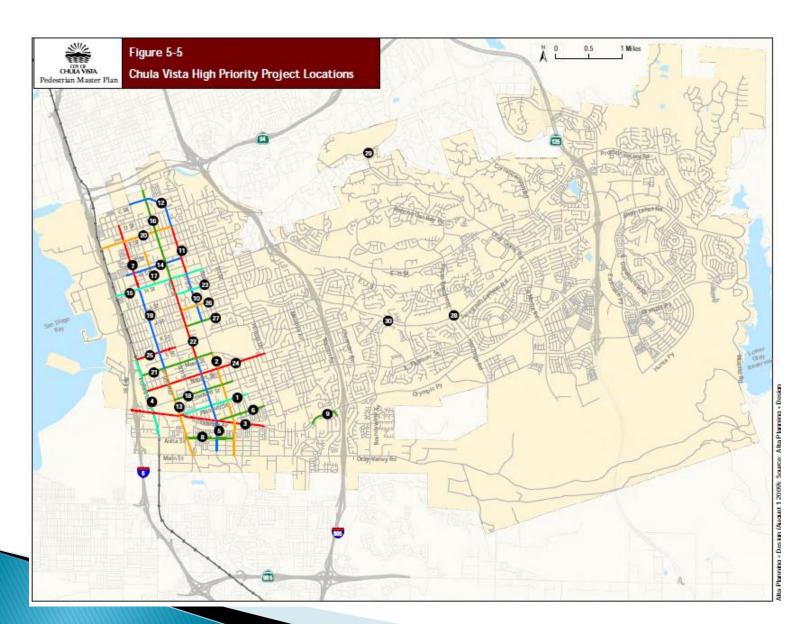




June 15, 2010



30 HIGH PRIORITY PROJECT LOCATIONS

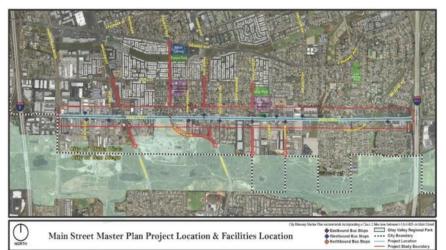


Local Streets Corridor Studies

- F Street Promenade Study
- East H Street Pedestrian Study
- Main Streetscape Plan







Montgomery Elementary School High-Intensity Activated Crosswalk (HAWK)



HAWK – Mid-block pedestrian hybrid beacon system located on Fourth Avenue just south of Tremont Street and Montgomery Street

Studies show:

- Red signal produces up to 97% driver compliance
- Better rate than other devices at pedestrian crossings.

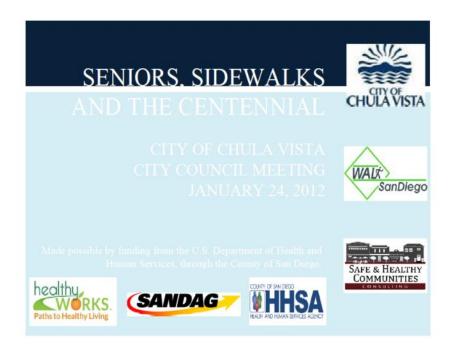
The new system was the first in the state of California

Safe Routes to School Project



- Montgomery Elementary School New Crosswalk
- HAWK Pedestrian Hybrid Beacon system

SENIORS, SIDEWALKS AND THE CENTENNIAL



WALKABILITY & ROLLABILITY ARE CRITICAL TO SENIOR HEALTH AND WELLBEING

- Reduces risk of heart disease, diabetes, and other chronic diseases.
- Increases flexibility, muscle strength, balance, and bone density.
- Improves access to basic necessities, healthcare services, and social interaction.



STUDENTS TAKING ACTIVE TRANSPORTATION TO SCHOOLS



Students Taking Active Transportation to Schools (STARTS)



Improving
Conditions to and
From School

Conservation Section
Engineering Division
Department of Public Works

STUDENTS TAKING ACTIVE TRANSPORTATION TO SCHOOLS

STARTS PROJECT

Project Goal

Improve conditions for children commuting to school

Objectives

Evaluate Infrastructure; Route Audits; Determine Travel Patterns; Develop Suggested Routes Map

Active Transportation Benefits



STUDENTS TAKING ACTIVE TRANSPORTATION TO SCHOOLS

Travel Patterns

- City review 6 middle schools
- Community outreach 6 middle schools
- On site visual observations (6 MS)
- PTSO's outreach
- Elementary SRTS
- Other

Middle Schools

- Bonita Vista
- Castle Park
- Chula Vista
- Eastlake
- Hilltop
- Rancho Del Rey

Sweetwater Union High School District

















DRAFT COMPLETE STREETS POLICY LAND USE AND TRANSPORTATION ELEMENT

P.1. Update City of Chula Vista Subdivision Manual and other relevant City roadway standards to incorporate senior pedestrian design needs and to reflect proposed **Complete Streets** policy.



PROPOSED FY15-16 CAPITAL IMPROVEMENT PROGRAM

CAPITAL IMPROVEMENT PROJECTS FY 2014-15

Chula Vista Capital Improvement Program (CIP) Map

This map displays both active and proposed Capital Improvement Projects. Select the options at right to query by project phase, project type, funding source or geographic area. Learn more about each CIP by clicking on the map icon or select the more info link in the table below.



PROPOSED FY15-16 CIP

- Bikeway-Pedestrian Master Plan Update
- Parkside Drive Wastewater Lift Station Upgrades
- Pavement Rehabilitation
- Pedestrian Crosswalk improvements
- Roadway Sign Reflectivity Replacement
- Sewer Rehabilitation
- Storm Drain Rehabilitation
- Sweetwater River Pathway Study
- Traffic Signal Fiber Optic System



Comments & Questions

