



ACEC City of Los Angeles Liaison Committee Meeting

Complete Streets Program

Gene Edwards, P.E.

Concrete Pavement Trench Restoration

Neha Yadav, P.E

Anissa Voyiatzes, P.E, QSD, ENV SP



COMPLETE STREETS PROGRAM



Bureau of Engineering

September 2019

Complete Streets / Great Streets / Street CIP

2

What's the difference?

Complete Streets



<http://lagreatstreets.org>

Street Improvement



Round 1 of Complete Streets Projects, First Six Corridors

3

No.	Project Title	Council District(s)	Limits	Total Budget
1.	Roscoe Boulevard	6	I-405 Frwy to Woodman Ave	\$8.6 M
2.	Temple Street	1 & 13	Beverly Blvd to Beaudry St	\$9.2 M
3.	Venice Boulevard (East)	1, 9 & 10	Arlington Ave to Figueroa St	\$13.6 M
4.	Main Street (South)	8 & 9	MLK Blvd to Imperial Hwy	\$13.9M
5.	Reseda Boulevard	3 & 12	Parthenia St to Victory Blvd	\$17.3 M
6.	Avalon Boulevard	8, 9 & 15	San Pedro St to 120 th St	\$17.5 M
			Current Total Budget:	\$80.1 M

Funding for First Six Corridors

4

Funding Source	2017-18 Adopted	2017-18 Adopted	2019-20 Adopted	Total
SB1/RMRA	\$ 1,500,000	\$23,561,000	\$ 1,423,954	\$26,484,954
SDRF	\$ -	\$10,000,000	\$20,500,000	\$30,500,000
Measure M	\$ 5,115,046	\$9,000,000	\$ 5,333,000	\$19,448,046
Measure W	\$ -	\$ -	\$ 3,667,000	\$ 3,667,000
Total	\$ 6,615,046	\$42,561,000	\$30,923,954	\$80,100,000

2017-18 Adopted also included separate \$6,000,000 to start design of Round 2 Corridors

Roscoe Blvd. Complete Streets Project

5

Progress Meeting No. 17

Project Completion Photos

Before at Roscoe Blvd. and Lennox Ave.



After at Roscoe Blvd. and Lennox Ave.



Before at Roscoe Blvd. and Hazeltine Ave.



After at Roscoe Blvd. and Hazeltine Ave.



Roscoe Blvd. Complete Streets Project

6

Progress Meeting No. 17

Project Completion Photos

Before at Roscoe Blvd. and Mammoth Ave.



After at Roscoe Blvd. and Mammoth Ave.



Before at Roscoe Blvd. and Noble Ave.

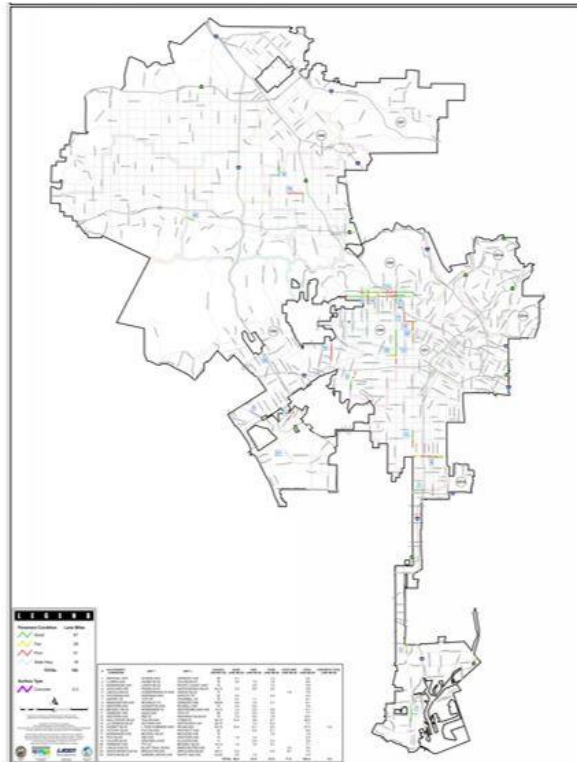


After at Roscoe Blvd. and Noble Ave.



High Injury Network Priority Corridors with Pavement Condition

9



#	2018 PRIORITY CORRIDORS	LIMIT 1	LIMIT 2	COUNCIL DISTRICT(S)	GOOD LANE MILES	FAIR LANE MILES	POOR LANE MILES	STATE HWY LANE MILES	TOTAL LANE MILES	CONCRETE TOTAL LANE MILES
1	IMPERIAL HWY	ATHENS WAY	VERMONT AVE	08	4.1		1.2		5.2	
2	LA BREA AVE	ADAMS BLVD	COLISEUM ST	10	3.6	1.5	1.8		6.9	
3	NORMANDIE AVE	LOMITA BLVD	PACIFIC COAST HWY	15		2.4	1.4		3.9	
4	HIGHLAND BLVD	FRANKLIN PL	SANTA MONICA BLVD	04,13	2.2	0.5	3.2		5.8	
5	LINCOLN BLVD	COMMONWEALTH AVE	VENICE BLVD	11				7.8	7.8	
6	WOODMAN AVE	SHERMAN WAY	SATICOY ST	02	3.5		0.4		4.0	
7	GAFFEY ST	14TH ST	O'FARRELL ST	15	5.1	1.1			6.1	
8	MANCHESTER AVE	MCKINLEY PL	VERMONT AVE	08,09	0.9	1.5	3.7		6.1	
9	WESTERN AVE	LEXINGTON AVE	RUSSELL AVE	13	3.5	0.5			3.9	
10	BEVERLY BLVD	NORMANDIE PL	WESTMORELAND AVE	10,13	1.3	0.3	2.5		4.1	
11	VERMONT AVE	GAGE AVE	79TH ST	08	5.7	0.4	1.6		7.7	
12	WESTERN AVE	3RD ST	WASHINGTON BLVD	10	7.2	0.9	1.9		10.0	
13	HOLLYWOOD BLVD	FULLER AVE	LYMAN PL	04,13	10.4	3.9	6.1		20.4	
14	LA CIENEGA BLVD	GUTHRIE AVE	WHITWORTH DR	05,10		1.4	6.3		7.7	
15	SUNSET BLVD	L. RON HUBBARD WAY	SELMA AVE	04,13	12.8	8.1	6.3		27.3	0.3
16	VICTORY BLVD	FULTON AVE	WHITSETT AVE	02		0.4	6.1		6.6	
17	NORMANDIE AVE	BEVERLY BLVD	MELROSE AVE	13			1.9		1.9	
18	PICO BLVD	2ND AVE	WESTERN AVE	10	1.6		1.2		2.9	
19	CULVER BLVD	CENTINELA AVE	SLAUSON AVE	11		0.5	2.3		2.8	
20	VERMONT AVE	7TH ST	BEVERLY BLVD	10,13	1.5	1.6	4.1		7.1	
21	LINCOLN BLVD	BLUFF TRAIL ROAD	MANCHESTER AVE	11				3.0	3.0	
22	SANTA MONICA BLVD	BROCKTON AVE	SEPULVEDA BLVD	05,11	0.5		0.2	6.7	7.4	
23	VENTURA BLVD	GARDEN GROVE AVE	WHITE OAK AVE	03,05	3.0	1.4			4.4	
				TOTAL	66.9	27.6	51.0	17.5	163.0	0.3

Round 2 of Complete Streets Projects

10

Selection Methodology

- Vision Zero 2019 High Injury Network Priority Corridors adopted by Council on December 13, 2018 (C.F. 17-1137)
- Fatalities or Serious Injuries (KSI)/Mile > 13
- Pavement Condition Index (PCI) \geq 25% Poor
- Segment Length \geq .5 mile and \leq 3 miles
- Weighted combination of pavement condition and need for safety is expressed in PCI/KSIPM. The priority is given to the smaller PCI/KSIPM, (whereby the poorer the street condition, the smaller the PCI/KSIPM, and also, the larger the KSIPM, the smaller the PCI/KSIPM)

Criteria Results

- 12 Streets
- 12.1 Total Centerline Miles
- 77.9 Lane Miles

Round 2 of Complete Streets Projects

11

No.	Street	HIN Segment	From	To	PC2019	PC2016	KSI	PCI	CL Miles	KSIPM	PCI/KSI PM	Lane Miles	Poor	Fair	Good	PCI<20	LM<20	Width	CD(s)
1	VICTORY BLVD	222PC16	FULTON AVE	WHITSETT AVE	16		16	18	1.0	16.2	1.1	6.6	93.5%	6.5%	0.0%	64%	4.2	70-77	2
2	LANKERSHIM BLVD	368A	CALIFA ST	VOSE ST		41	20	28	1.5	13.3	2.1	10.2	100.0%	0.0%	0.0%	89.90%	4.2	74-86	2
3	PACIFIC AVE	62	ROSE AVE	N. VENICE BLVD			13	30	0.9	14.5	2.1	3.7	74.5%	25.5%	0.0%	55.10%	2.1	44-74	11
4	HIGHLAND AVE	22PC4	SANTA MONICA BLVD	FRANKLIN AVE	4		17	49	0.9	18.6	2.6	5.8	54.3%	8.3%	37.5%	5.70%	0.3	70-70	4, 13
5	LA CIENEGA BLVD	37PC14	GUTHRIE AVE	WHITWORTH DR	14		19	46	1.2	15.8	2.9	7.7	65.8%	34.2%	0.0%	5.80%	0.4	70-70	5, 10
6	NORMANDIE AVE	157PC17	BEVERLY BLVD	MELROSE AVE	17		8	46	0.5	16.1	2.9	1.9	65.8%	34.2%	0.0%	0.00%	0	40-44	13
7	MANCHESTER AVE	12PC8	VERMONT AVE	MCKINLEY PL	8		31	48	1.9	16.3	2.9	6.1	49.3%	22.2%	28.5%	0.00%	0	31-70	8, 9
8	VAN NUYS BLVD	362B	BEACHY AVE	VESPER AVE			9	44	0.8	14.2	3.1	4.3	100.0%	0.0%	0.0%	0.00%	0	74-80	6
9	VERMONT AVE	47PC20	7TH ST	BEVERLY BL	20		18	62	1.1	16.2	3.2	7.1	44.6%	12.6%	42.8%	30.10%	2.1	70-72	10, 13
10	BEVERLY BLVD	101PC10	NORMANDIE PL	WESTMORELAND AVE	10		13	64	0.8	17.0	3.2	4.1	61.0%	6.9%	32.1%	0.00%	0.0	54-76	10, 13
11	LA BREA AVE	63PC2	COLISEUM ST	ADAMS BLVD	2		20	67	1.0	19.2	3.5	6.9	25.9%	22.0%	52.0%	0.00%	0.0	70-77	10
12	CULVER BLVD	188PC19	CENTINELA AVE	SLAUSON AVE	19		10	60	0.8	16.3	3.7	2.8	37.0%	29.7%	33.4%	0.00%	0.0	40-60	11

Round 2 of Complete Streets Projects

12

No.	Project Title	Council District(s)	Project Boundary Limits
1	Culver Boulevard	11	Centinela Av to Slauson Av
2	La Brea Avenue	10	Coliseum St to Adams Bl
3	Highland Avenue	4 & 13	Santa Monica Blvd to Franklin Ave
4	Beverly Boulevard	10 & 13	Normandie Pl to Westmoreland Ave
5	La Cienega Boulevard	5 & 10	Guthrie Ave to Whitworth Dr
6	Lankershim Boulevard	2	Califa St to Victory Blvd
7	Manchester Boulevard	8 & 9	Vermont Ave to McKinley Pl
8	Normandie Avenue	13	Beverly Bl to Melrose Ave
9	Pacific Avenue	11	Rose Ave to N. Venice Blvd
10	Van Nuys Boulevard	6	Beachy Ave to Vesper Ave
11	Vermont Avenue	10 & 13	7 th St to Beverly Bl
12	Victory Boulevard	2	Fulton Ave to Whitsett Ave

Opportunities for Complete Streets Components

13



Bus Pad & Bus Landing at Wakefield



Curb & Gutter in need of repair



Sidewalk on Venice & Orchard



Bioswale at Boylston



Sidewalk in need of repair / Tree Replacement



Ramp at Venice & Arapahoe



Typ Bus Boarding Island



Typ Protected Bike Lane

Task Order Solicitation

14

Task Order Solicitation No. 1

For Planning, Pre-Design, Design & Project Management Support Services of
Complete Streets Projects

Pre-Qualified On-call Civil Engineering Services Consultant Contract
2019 On-call Contracts

City of Los Angeles
Department of Public Works
Bureau of Engineering

September 5, 2019

Solicitation Schedule

- Issue Task Order Solicitation Thursday, September 5, 2019
- Pre-Proposal Meeting (not mandatory)*.....Tuesday, September 10, 2019
- Receive Solicitation Responses, due on.....Monday, September 30, 2019
- Selection Interviews.....Thursday, October 3, 2019
- Finalize Board Report and receive Board ApprovalMonday, October 21, 2019
- Issue Task Order.....Wednesday, October 23, 2019

Questions and Answers

15

Contact Information: Gene Edwards
gene.edwards@lacity.org
(213) 847-0463

Concrete Pavement Trench Restoration



- Sources:
 - City of Santa Monica
 - City of Hermosa Beach
 - City of Long Beach
 - Concrete Pavement Contractors
 - Greenbook

Concrete Pavement Trench Restoration



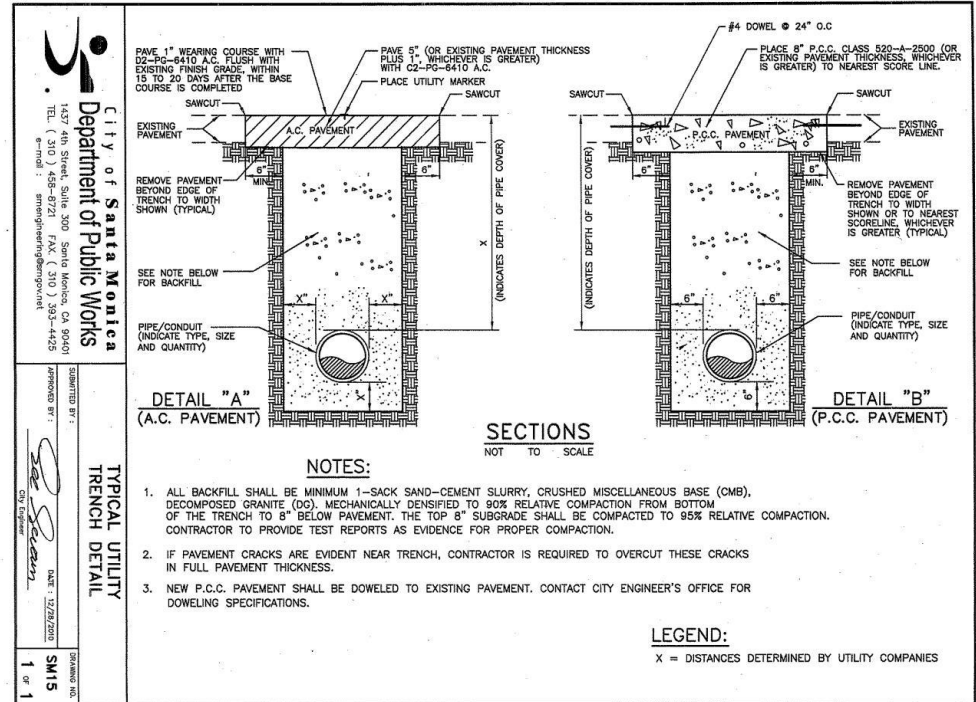
ARDURRA

- Recommendations:
 - For doweling, SSPWC 302-6.5.2 states spacing of doweling shall be designated on the Plans or in the Specifications = Flexibility in design.
 - SSPWC 300-1.3.2 section(b), states that if a saw cut lands within 3 feet of a construction joint, cold joint, expansion joint or edge. The concrete shall be removed to the joint or edge.
 - Doweling is recommended; however, take into account thickness of existing pavement versus proposed pavement.

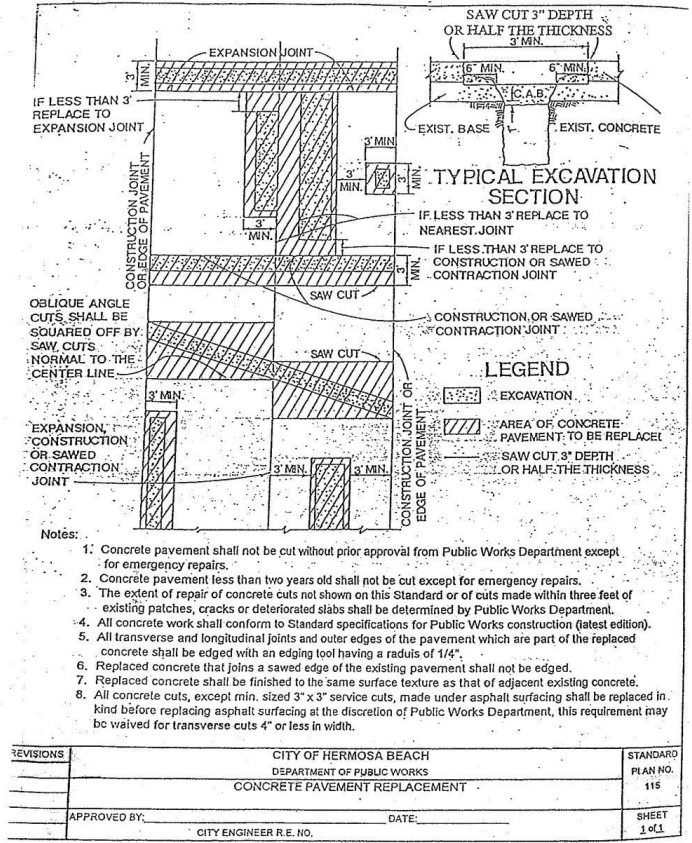
Concrete Pavement Trench Restoration



- City of Santa Monica
 - #4 Dowels at 24" O.C.
 - Removal of pavement to nearest score line of 6" beyond edge of trench, whichever is greater
 - If there are no score lines within reasonable distance, decision is made by PW Inspector
 - New pavement thickness, 8" min.



Concrete Pavement Trench Restoration



- City of Hermosa Beach
 - Approval from PWD except for emergency repairs.
 - Moratorium on concrete pavement less than 2 years old.
 - Sawcut min. depth, 3" or half the pavement thickness
 - Minimum concrete replacement, 3-feet
 - Reference to SSPWC

Concrete Pavement Trench Restoration



Concrete Pavement Trench Restoration



- Recommendations:
 - Replace entire slab
 - If curb and gutter is monolithic, sawcut a de facto gutter pan
 - Assure functional integrity and aesthetics
 - Allow for inspector allowance in the case of large slabs
 - ½ slab, ¼ slab, or inspector direction
 - Must still be for entire roadway width
 - Replacement should appear and function as a slab

Concrete Pavement Trench Restoration



ARDURRA

- Lessons Learned:
 - Combine utility replacement projects with road improvements
 - Map limits of “floating” PCC roadway
 - Address in the bid item the potential existences of reinforcement

Questions/Input

- Questions
- Your stories

