

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		LH ENGINEERING CO., INC.		G.B. COOKE, INC.		GENERAL CONSTRUCTION SERVICES, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	Mobilization (General Requirements, Sections 01292 and 01721)	LS			\$60,000.00		\$40,000.00		\$60,000.00		\$60,000.00
2	Modified Class B Office (General Requirements, Section 01721)	LS			\$40,000.00		\$10,000.00		\$18,000.00		\$10,000.00
3	Clearing and Grubbing	LS			\$15,000.00		\$10,000.00		\$23,000.00		\$5,000.00
4	Structural Excavation, Including Haul Away & Disposal	CY	150	\$125.00	\$18,750.00	\$65.00	\$9,750.00	\$5.00	\$750.00	\$250.00	\$37,500.00
5	Structural Backfill	CY	35	\$100.00	\$3,500.00	\$60.00	\$2,100.00	\$5.00	\$175.00	\$120.00	\$4,200.00
6	48-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	102	\$650.00	\$66,300.00	\$850.00	\$86,700.00	\$1,600.00	\$163,200.00	\$1,300.00	\$132,600.00
7	60-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	57	\$1,100.00	\$62,700.00	\$1,250.00	\$71,250.00	\$2,200.00	\$125,400.00	\$1,700.00	\$96,900.00
8	Furnish 54-Inch Depth Precast Prestressed Concrete Girders	LF	322	\$500.00	\$161,000.00	\$500.00	\$161,000.00	\$420.00	\$135,240.00	\$500.00	\$161,000.00
9	Erect 54-Inch Depth Precast Prestressed Concrete Girders	EA	4	\$7,000.00	\$28,000.00	\$22,500.00	\$90,000.00	\$7,000.00	\$28,000.00	\$8,000.00	\$32,000.00
10	Structural Concrete for Bridge, Approach Ramps and Foundations	CY	150	\$1,350.00	\$202,500.00	\$1,500.00	\$225,000.00	\$1,600.00	\$240,000.00	\$1,350.00	\$202,500.00
11	Concrete Barriers	LF	100	\$250.00	\$25,000.00	\$165.00	\$16,500.00	\$207.00	\$20,700.00	\$200.00	\$20,000.00
12	Decorative Metal Railings, Including Paint Finish	LF	430	\$400.00	\$172,000.00	\$320.00	\$137,600.00	\$370.00	\$159,100.00	\$350.00	\$150,500.00
13	Reinforced Concrete Retaining Wall, Type 3 (City Standard Plan S-500-0)	CY	20	\$1,000.00	\$20,000.00	\$600.00	\$12,000.00	\$100.00	\$2,000.00	\$800.00	\$16,000.00
14	Elastomeric Bearing Pads	EA	8	\$700.00	\$5,600.00	\$500.00	\$4,000.00	\$100.00	\$800.00	\$900.00	\$7,200.00
15	Mechanical Couplers	EA	24	\$200.00	\$4,800.00	\$100.00	\$2,400.00	\$150.00	\$3,600.00	\$150.00	\$3,600.00
16	5-Foot High Chain Link Fence with Walk Gate	LF	25	\$75.00	\$1,875.00	\$100.00	\$2,500.00	\$130.00	\$3,250.00	\$100.00	\$2,500.00
17	1-1/2- Inch Galvanized Conduit (Parkway: Including Excavations and Restoring Surface to match Adjacent Surface)	LF	310	\$25.00	\$7,750.00	\$45.00	\$13,950.00	\$32.00	\$9,920.00	\$20.00	\$6,200.00
18	1-1/2- Inch Expansion - Deflection Fittings	EA	2	\$200.00	\$400.00	\$450.00	\$900.00	\$350.00	\$700.00	\$200.00	\$400.00
19	Grounding Rod for Solar Lighting Unit per Plan	EA	2	\$100.00	\$200.00	\$200.00	\$400.00	\$140.00	\$280.00	\$200.00	\$400.00

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		LH ENGINEERING CO., INC.		G.B. COOKE, INC.		GENERAL CONSTRUCTION SERVICES, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
20	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface. Modified to 6-inch height per B in plans.	EA	2	\$500.00	\$1,000.00	\$600.00	\$1,200.00	\$585.00	\$1,170.00	\$2,000.00	\$4,000.00
21	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface.	EA	2	\$500.00	\$1,000.00	\$650.00	\$1,300.00	\$950.00	\$1,900.00	\$1,300.00	\$2,600.00
22	Special Bridge Foundation Pre-Casted per Plan	EA	2	\$2,750.00	\$5,500.00	\$2,000.00	\$4,000.00	\$625.00	\$1,250.00	\$2,500.00	\$5,000.00
23	10-Foot Round Steel Pole (7 GA.) with Bracket Arm and Tenon for mounting Solar Lighting Unit	EA	2	\$2,000.00	\$4,000.00	\$3,500.00	\$7,000.00	\$4,440.00	\$8,880.00	\$6,000.00	\$12,000.00
24	Carmanah 1710 Enclosure w/ Beta Edge LED Lum, Panels, Controller and Battery per Plan and Specs.	EA	2	\$6,100.00	\$12,200.00	\$6,500.00	\$13,000.00	\$11,000.00	\$22,000.00	\$10,000.00	\$20,000.00
25	Palm Tree Removal	EA	1	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$700.00	\$700.00
26	Shoring for Excavation	LS			\$20,000.00		\$20,000.00		\$5,000.00		\$12,000.00
27	Temporary Traffic Control - (WATCH Manual)	LS			\$25,025.00		\$20,000.00		\$10,000.00		\$15,000.00
28	Anti-Graffiti Coating	LS			\$10,000.00		\$20,000.00		\$10,000.00		\$7,000.00
29	Channel Slope Restoration	LS			\$5,000.00		\$10,000.00		\$1,000.00		\$7,500.00
30	Pothole and Hand Excavate Area at North and South Ramps (Including Backfill)	LS			\$25,000.00		\$5,000.00		\$21,000.00		\$8,000.00
31	6-Foot High Wrought Iron Fence (New Fence Color to Match Original)	LF	40	\$100.00	\$4,000.00	\$150.00	\$6,000.00	\$200.00	\$8,000.00	\$200.00	\$8,000.00
32	Railroad Flagging Services	DAY	100	\$1,260.00	\$126,000.00	\$800.00	\$80,000.00	\$100.00	\$10,000.00	\$500.00	\$50,000.00
<b>BICYCLE TRANSPORTATION ACCOUNT (BTA) FUNDED SCOPE OF WORK (W.O. No. E700312F)</b>											
33	Permits and Insurance (General Requirements, Sections 01292)	FXD			\$50,000.00		\$50,000.00		\$50,000.00		\$50,000.00
34	Department of Water and Power Temporary Relocation of Power Utilities (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
35	Sprint Inspection (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
36	Qwest Inspection (General Requirements, Section 01292)	FXD			\$43,000.00		\$43,000.00		\$43,000.00		\$43,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$1,289,100.00</b>		<b>\$1,237,550.00</b>		<b>\$1,248,315.00</b>		<b>\$1,253,300.00</b>
						{ Low }	-4.0%	{ Low }	-3.2%	{ Low }	-2.8%

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		EXCAVATING ENGINEERS, INC.		WESTCOAST PUBLIC WORK, INC.		GRIFFITH COMPANY	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	Mobilization (General Requirements, Sections 01292 and 01721)	LS			\$60,000.00		\$60,000.00		\$53,000.00		\$130,000.00
2	Modified Class B Office (General Requirements, Section 01721)	LS			\$40,000.00		\$45,000.00		\$6,500.00		\$25,000.00
3	Clearing and Grubbing	LS			\$15,000.00		\$15,000.00		\$67,000.00		\$40,000.00
4	Structural Excavation, Including Haul Away & Disposal	CY	150	\$125.00	\$18,750.00	\$40.00	\$6,000.00	\$230.00	\$34,500.00	\$200.00	\$30,000.00
5	Structural Backfill	CY	35	\$100.00	\$3,500.00	\$50.00	\$1,750.00	\$200.00	\$7,000.00	\$200.00	\$7,000.00
6	48-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	102	\$650.00	\$66,300.00	\$1,800.00	\$183,600.00	\$1,000.00	\$102,000.00	\$792.00	\$80,784.00
7	60-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	57	\$1,100.00	\$62,700.00	\$2,000.00	\$114,000.00	\$1,400.00	\$79,800.00	\$1,237.00	\$70,509.00
8	Furnish 54-Inch Depth Precast Prestressed Concrete Girders	LF	322	\$500.00	\$161,000.00	\$400.00	\$128,800.00	\$500.00	\$161,000.00	\$700.00	\$225,400.00
9	Erect 54-Inch Depth Precast Prestressed Concrete Girders	EA	4	\$7,000.00	\$28,000.00	\$28,000.00	\$112,000.00	\$30,000.00	\$120,000.00	\$15,000.00	\$60,000.00
10	Structural Concrete for Bridge, Approach Ramps and Foundations	CY	150	\$1,350.00	\$202,500.00	\$1,200.00	\$180,000.00	\$1,400.00	\$210,000.00	\$1,720.00	\$258,000.00
11	Concrete Barriers	LF	100	\$250.00	\$25,000.00	\$120.00	\$12,000.00	\$100.00	\$10,000.00	\$120.00	\$12,000.00
12	Decorative Metal Railings, Including Paint Finish	LF	430	\$400.00	\$172,000.00	\$250.00	\$107,500.00	\$130.00	\$55,900.00	\$300.00	\$129,000.00
13	Reinforced Concrete Retaining Wall, Type 3 (City Standard Plan S-500-0)	CY	20	\$1,000.00	\$20,000.00	\$1,050.00	\$21,000.00	\$1,200.00	\$24,000.00	\$100.00	\$2,000.00
14	Elastomeric Bearing Pads	EA	8	\$700.00	\$5,600.00	\$750.00	\$6,000.00	\$1,500.00	\$12,000.00	\$400.00	\$3,200.00
15	Mechanical Couplers	EA	24	\$200.00	\$4,800.00	\$1,500.00	\$36,000.00	\$700.00	\$16,800.00	\$200.00	\$4,800.00
16	5-Foot High Chain Link Fence with Walk Gate	LF	25	\$75.00	\$1,875.00	\$85.00	\$2,125.00	\$50.00	\$1,250.00	\$200.00	\$5,000.00
17	1-1/2- Inch Galvanized Conduit (Parkway: Including Excavations and Restoring Surface to match Adjacent Surface)	LF	310	\$25.00	\$7,750.00	\$40.00	\$12,400.00	\$100.00	\$31,000.00	\$32.00	\$9,920.00
18	1-1/2- Inch Expansion - Deflection Fittings	EA	2	\$200.00	\$400.00	\$450.00	\$900.00	\$4,000.00	\$8,000.00	\$352.00	\$704.00
19	Grounding Rod for Solar Lighting Unit per Plan	EA	2	\$100.00	\$200.00	\$200.00	\$400.00	\$1,000.00	\$2,000.00	\$140.00	\$280.00

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**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

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DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		EXCAVATING ENGINEERS, INC.		WESTCOAST PUBLIC WORK, INC.		GRIFFITH COMPANY	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
20	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface. Modified to 6-inch height per B in plans.	EA	2	\$500.00	\$1,000.00	\$850.00	\$1,700.00	\$3,000.00	\$6,000.00	\$600.00	\$1,200.00
21	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface.	EA	2	\$500.00	\$1,000.00	\$850.00	\$1,700.00	\$3,000.00	\$6,000.00	\$1,000.00	\$2,000.00
22	Special Bridge Foundation Pre-Casted per Plan	EA	2	\$2,750.00	\$5,500.00	\$500.00	\$1,000.00	\$10,000.00	\$20,000.00	\$700.00	\$1,400.00
23	10-Foot Round Steel Pole (7 GA.) with Bracket Arm and Tenon for mounting Solar Lighting Unit	EA	2	\$2,000.00	\$4,000.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00	\$4,500.00	\$9,000.00
24	Carmanah 1710 Enclosure w/ Beta Edge LED Lum, Panels, Controller and Battery per Plan and Specs.	EA	2	\$6,100.00	\$12,200.00	\$9,500.00	\$19,000.00	\$12,500.00	\$25,000.00	\$10,000.00	\$20,000.00
25	Palm Tree Removal	EA	1	\$2,000.00	\$2,000.00	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
26	Shoring for Excavation	LS			\$20,000.00		\$12,000.00		\$45,000.00		\$2,000.00
27	Temporary Traffic Control - (WATCH Manual)	LS			\$25,025.00		\$17,500.00		\$12,500.00		\$12,000.00
28	Anti-Graffiti Coating	LS			\$10,000.00		\$16,000.00		\$25,000.00		\$10,000.00
29	Channel Slope Restoration	LS			\$5,000.00		\$10,000.00		\$25,000.00		\$3,000.00
30	Pothole and Hand Excavate Area at North and South Ramps (Including Backfill)	LS			\$25,000.00		\$5,000.00		\$20,000.00		\$8,000.00
31	6-Foot High Wrought Iron Fence (New Fence Color to Match Original)	LF	40	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$150.00	\$6,000.00	\$200.00	\$8,000.00
32	Railroad Flagging Services	DAY	100	\$1,260.00	\$126,000.00	\$600.00	\$60,000.00	\$200.00	\$20,000.00	\$500.00	\$50,000.00
<b>BICYCLE TRANSPORTATION ACCOUNT (BTA) FUNDED SCOPE OF WORK (W.O. No. E700312F)</b>											
33	Permits and Insurance (General Requirements, Sections 01292)	FXD			\$50,000.00		\$50,000.00		\$50,000.00		\$50,000.00
34	Department of Water and Power Temporary Relocation of Power Utilities (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
35	Sprint Inspection (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
36	Qwest Inspection (General Requirements, Section 01292)	FXD			\$43,000.00		\$43,000.00		\$43,000.00		\$43,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$1,289,100.00</b>		<b>\$1,355,875.00</b>		<b>\$1,372,750.00</b>		<b>\$1,374,197.00</b>
						<b>{ High }</b>	<b>5.2%</b>	<b>{ High }</b>	<b>6.5%</b>	<b>{ High }</b>	<b>6.6%</b>

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W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		JOHN S. MEEK COMPANY, INC.		ENVIRONMENTAL CONSTRUCTION, INC.		C.A. RASMUSSEN, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	Mobilization (General Requirements, Sections 01292 and 01721)	LS			\$60,000.00		\$80,000.00		\$80,000.00		\$60,000.00
2	Modified Class B Office (General Requirements, Section 01721)	LS			\$40,000.00		\$36,924.00		\$15,000.00		\$25,000.00
3	Clearing and Grubbing	LS			\$15,000.00		\$13,262.00		\$100,000.00		\$30,000.00
4	Structural Excavation, Including Haul Away & Disposal	CY	150	\$125.00	\$18,750.00	\$33.00	\$4,950.00	\$100.00	\$15,000.00	\$100.00	\$15,000.00
5	Structural Backfill	CY	35	\$100.00	\$3,500.00	\$200.00	\$7,000.00	\$30.00	\$1,050.00	\$100.00	\$3,500.00
6	48-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	102	\$650.00	\$66,300.00	\$1,529.00	\$155,958.00	\$1,145.00	\$116,790.00	\$1,500.00	\$153,000.00
7	60-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	57	\$1,100.00	\$62,700.00	\$1,633.00	\$93,081.00	\$2,838.00	\$161,766.00	\$1,600.00	\$91,200.00
8	Furnish 54-Inch Depth Precast Prestressed Concrete Girders	LF	322	\$500.00	\$161,000.00	\$448.00	\$144,256.00	\$458.00	\$147,476.00	\$550.00	\$177,100.00
9	Erect 54-Inch Depth Precast Prestressed Concrete Girders	EA	4	\$7,000.00	\$28,000.00	\$6,693.00	\$26,772.00	\$6,402.00	\$25,608.00	\$13,500.00	\$54,000.00
10	Structural Concrete for Bridge, Approach Ramps and Foundations	CY	150	\$1,350.00	\$202,500.00	\$1,185.00	\$177,750.00	\$716.00	\$107,400.00	\$1,900.00	\$285,000.00
11	Concrete Barriers	LF	100	\$250.00	\$25,000.00	\$119.00	\$11,900.00	\$100.00	\$10,000.00	\$120.00	\$12,000.00
12	Decorative Metal Railings, Including Paint Finish	LF	430	\$400.00	\$172,000.00	\$365.00	\$156,950.00	\$405.00	\$174,150.00	\$340.00	\$146,200.00
13	Reinforced Concrete Retaining Wall, Type 3 (City Standard Plan S-500-0)	CY	20	\$1,000.00	\$20,000.00	\$690.00	\$13,800.00	\$227.00	\$4,540.00	\$1,600.00	\$32,000.00
14	Elastomeric Bearing Pads	EA	8	\$700.00	\$5,600.00	\$125.00	\$1,000.00	\$1,200.00	\$9,600.00	\$200.00	\$1,600.00
15	Mechanical Couplers	EA	24	\$200.00	\$4,800.00	\$100.00	\$2,400.00	\$125.00	\$3,000.00	\$100.00	\$2,400.00
16	5-Foot High Chain Link Fence with Walk Gate	LF	25	\$75.00	\$1,875.00	\$136.00	\$3,400.00	\$138.00	\$3,450.00	\$120.00	\$3,000.00
17	1-1/2- Inch Galvanized Conduit (Parkway: Including Excavations and Restoring Surface to match Adjacent Surface)	LF	310	\$25.00	\$7,750.00	\$34.50	\$10,695.00	\$25.30	\$7,843.00	\$30.00	\$9,300.00
18	1-1/2- Inch Expansion - Deflection Fittings	EA	2	\$200.00	\$400.00	\$460.00	\$920.00	\$220.00	\$440.00	\$400.00	\$800.00
19	Grounding Rod for Solar Lighting Unit per Plan	EA	2	\$100.00	\$200.00	\$115.00	\$230.00	\$451.00	\$902.00	\$100.00	\$200.00

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City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		JOHN S. MEEK COMPANY, INC.		ENVIRONMENTAL CONSTRUCTION, INC.		C.A. RASMUSSEN, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
20	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface. Modified to 6-inch height per B in plans.	EA	2	\$500.00	\$1,000.00	\$805.00	\$1,610.00	\$506.00	\$1,012.00	\$700.00	\$1,400.00
21	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface.	EA	2	\$500.00	\$1,000.00	\$747.50	\$1,495.00	\$506.00	\$1,012.00	\$650.00	\$1,300.00
22	Special Bridge Foundation Pre-Casted per Plan	EA	2	\$2,750.00	\$5,500.00	\$460.00	\$920.00	\$750.00	\$1,500.00	\$1,200.00	\$2,400.00
23	10-Foot Round Steel Pole (7 GA.) with Bracket Arm and Tenon for mounting Solar Lighting Unit	EA	2	\$2,000.00	\$4,000.00	\$4,600.00	\$9,200.00	\$2,244.00	\$4,488.00	\$4,000.00	\$8,000.00
24	Carmanah 1710 Enclosure w/ Beta Edge LED Lum, Panels, Controller and Battery per Plan and Specs.	EA	2	\$6,100.00	\$12,200.00	\$9,200.00	\$18,400.00	\$10,340.00	\$20,680.00	\$8,000.00	\$16,000.00
25	Palm Tree Removal	EA	1	\$2,000.00	\$2,000.00	\$1,650.00	\$1,650.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00
26	Shoring for Excavation	LS			\$20,000.00		\$44,640.00		\$5,000.00		\$10,000.00
27	Temporary Traffic Control - (WATCH Manual)	LS			\$25,025.00		\$20,000.00		\$23,000.00		\$30,000.00
28	Anti-Graffiti Coating	LS			\$10,000.00		\$27,140.00		\$32,802.00		\$10,000.00
29	Channel Slope Restoration	LS			\$5,000.00		\$3,900.00		\$2,000.00		\$3,000.00
30	Pothole and Hand Excavate Area at North and South Ramps (Including Backfill)	LS			\$25,000.00		\$11,800.00		\$15,000.00		\$13,000.00
31	6-Foot High Wrought Iron Fence (New Fence Color to Match Original)	LF	40	\$100.00	\$4,000.00	\$210.00	\$8,400.00	\$220.00	\$8,800.00	\$200.00	\$8,000.00
32	Railroad Flagging Services	DAY	100	\$1,260.00	\$126,000.00	\$1,375.00	\$137,500.00	\$1,320.00	\$132,000.00	\$900.00	\$90,000.00
<b>BICYCLE TRANSPORTATION ACCOUNT (BTA) FUNDED SCOPE OF WORK (W.O. No. E700312F)</b>											
33	Permits and Insurance (General Requirements, Sections 01292)	FXD			\$50,000.00		\$50,000.00		\$50,000.00		\$50,000.00
34	Department of Water and Power Temporary Relocation of Power Utilities (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
35	Sprint Inspection (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
36	Qwest Inspection (General Requirements, Section 01292)	FXD			\$43,000.00		\$43,000.00		\$43,000.00		\$43,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$1,289,100.00</b>		<b>\$1,380,903.00</b>		<b>\$1,385,309.00</b>		<b>\$1,450,400.00</b>
						<b>{ High }</b>	<b>7.1%</b>	<b>{ High }</b>	<b>7.5%</b>	<b>{ High }</b>	<b>12.5%</b>

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		FLATIRON WEST, INC.		UNITED ENGINEERING & CONSTRUCTION, INC.		ENCORRE SERVICES, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	Mobilization (General Requirements, Sections 01292 and 01721)	LS			\$60,000.00		\$60,000.00		\$100,000.00		\$60,000.00
2	Modified Class B Office (General Requirements, Section 01721)	LS			\$40,000.00		\$65,000.00		\$36,000.00		\$8,000.00
3	Clearing and Grubbing	LS			\$15,000.00		\$15,000.00		\$6,000.00		\$10,000.00
4	Structural Excavation, Including Haul Away & Disposal	CY	150	\$125.00	\$18,750.00	\$75.00	\$11,250.00	\$75.00	\$11,250.00	\$110.00	\$16,500.00
5	Structural Backfill	CY	35	\$100.00	\$3,500.00	\$150.00	\$5,250.00	\$100.00	\$3,500.00	\$110.00	\$3,850.00
6	48-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	102	\$650.00	\$66,300.00	\$1,500.00	\$153,000.00	\$1,200.00	\$122,400.00	\$1,383.00	\$141,066.00
7	60-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	57	\$1,100.00	\$62,700.00	\$1,500.00	\$85,500.00	\$1,650.00	\$94,050.00	\$1,949.50	\$111,121.50
8	Furnish 54-Inch Depth Precast Prestressed Concrete Girders	LF	322	\$500.00	\$161,000.00	\$460.00	\$148,120.00	\$375.00	\$120,750.00	\$855.28	\$275,400.16
9	Erect 54-Inch Depth Precast Prestressed Concrete Girders	EA	4	\$7,000.00	\$28,000.00	\$9,500.00	\$38,000.00	\$23,000.00	\$92,000.00	\$11,875.00	\$47,500.00
10	Structural Concrete for Bridge, Approach Ramps and Foundations	CY	150	\$1,350.00	\$202,500.00	\$2,165.00	\$324,750.00	\$1,300.00	\$195,000.00	\$1,400.00	\$210,000.00
11	Concrete Barriers	LF	100	\$250.00	\$25,000.00	\$140.00	\$14,000.00	\$250.00	\$25,000.00	\$900.00	\$90,000.00
12	Decorative Metal Railings, Including Paint Finish	LF	430	\$400.00	\$172,000.00	\$330.00	\$141,900.00	\$398.00	\$171,140.00	\$123.26	\$53,001.80
13	Reinforced Concrete Retaining Wall, Type 3 (City Standard Plan S-500-0)	CY	20	\$1,000.00	\$20,000.00	\$1,300.00	\$26,000.00	\$1,000.00	\$20,000.00	\$1,500.00	\$30,000.00
14	Elastomeric Bearing Pads	EA	8	\$700.00	\$5,600.00	\$150.00	\$1,200.00	\$2,000.00	\$16,000.00	\$500.00	\$4,000.00
15	Mechanical Couplers	EA	24	\$200.00	\$4,800.00	\$140.00	\$3,360.00	\$250.00	\$6,000.00	\$200.00	\$4,800.00
16	5-Foot High Chain Link Fence with Walk Gate	LF	25	\$75.00	\$1,875.00	\$120.00	\$3,000.00	\$135.00	\$3,375.00	\$60.00	\$1,500.00
17	1-1/2- Inch Galvanized Conduit (Parkway: Including Excavations and Restoring Surface to match Adjacent Surface)	LF	310	\$25.00	\$7,750.00	\$30.00	\$9,300.00	\$45.00	\$13,950.00	\$20.00	\$6,200.00
18	1-1/2- Inch Expansion - Deflection Fittings	EA	2	\$200.00	\$400.00	\$400.00	\$800.00	\$400.00	\$800.00	\$200.00	\$400.00
19	Grounding Rod for Solar Lighting Unit per Plan	EA	2	\$100.00	\$200.00	\$100.00	\$200.00	\$200.00	\$400.00	\$500.00	\$1,000.00

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		FLATIRON WEST, INC.		UNITED ENGINEERING & CONSTRUCTION, INC.		ENCORRE SERVICES, INC.	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
20	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface. Modified to 6-inch height per B in plans.	EA	2	\$500.00	\$1,000.00	\$700.00	\$1,400.00	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00
21	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface.	EA	2	\$500.00	\$1,000.00	\$700.00	\$1,400.00	\$1,000.00	\$2,000.00	\$2,000.00	\$4,000.00
22	Special Bridge Foundation Pre-Casted per Plan	EA	2	\$2,750.00	\$5,500.00	\$2,300.00	\$4,600.00	\$1,000.00	\$2,000.00	\$20,000.00	\$40,000.00
23	10-Foot Round Steel Pole (7 GA.) with Bracket Arm and Tenon for mounting Solar Lighting Unit	EA	2	\$2,000.00	\$4,000.00	\$4,000.00	\$8,000.00	\$4,500.00	\$9,000.00	\$2,500.00	\$5,000.00
24	Carmanah 1710 Enclosure w/ Beta Edge LED Lum, Panels, Controller and Battery per Plan and Specs.	EA	2	\$6,100.00	\$12,200.00	\$8,000.00	\$16,000.00	\$8,500.00	\$17,000.00	\$15,000.00	\$30,000.00
25	Palm Tree Removal	EA	1	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
26	Shoring for Excavation	LS			\$20,000.00		\$10,000.00		\$20,000.00		\$40,000.00
27	Temporary Traffic Control - (WATCH Manual)	LS			\$25,025.00		\$10,000.00		\$25,000.00		\$30,000.00
28	Anti-Graffiti Coating	LS			\$10,000.00		\$5,000.00		\$33,000.00		\$27,500.00
29	Channel Slope Restoration	LS			\$5,000.00		\$2,500.00		\$10,000.00		\$10,000.00
30	Pothole and Hand Excavate Area at North and South Ramps (Including Backfill)	LS			\$25,000.00		\$5,000.00		\$10,800.00		\$15,000.00
31	6-Foot High Wrought Iron Fence (New Fence Color to Match Original)	LF	40	\$100.00	\$4,000.00	\$184.00	\$7,360.00	\$195.00	\$7,800.00	\$100.00	\$4,000.00
32	Railroad Flagging Services	DAY	100	\$1,260.00	\$126,000.00	\$1,200.00	\$120,000.00	\$1,200.00	\$120,000.00	\$400.00	\$40,000.00
<b>BICYCLE TRANSPORTATION ACCOUNT (BTA) FUNDED SCOPE OF WORK (W.O. No. E700312F)</b>											
33	Permits and Insurance (General Requirements, Sections 01292)	FXD			\$50,000.00		\$50,000.00		\$50,000.00		\$50,000.00
34	Department of Water and Power Temporary Relocation of Power Utilities (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
35	Sprint Inspection (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
36	Qwest Inspection (General Requirements, Section 01292)	FXD			\$43,000.00		\$43,000.00		\$43,000.00		\$43,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$1,289,100.00</b>		<b>\$1,451,390.00</b>		<b>\$1,451,715.00</b>		<b>\$1,478,339.46</b>
						<b>{ High }</b>	<b>12.6%</b>	<b>{ High }</b>	<b>12.6%</b>	<b>{ High }</b>	<b>14.7%</b>

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		LOS ANGELES ENGINEERING, INC.		PETERSON-CHASE GENERAL ENGINEERING CONSTRUCTION, INC.		T.T. POLICH & ASSOCIATES, A JOINT VENTURE	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	Mobilization (General Requirements, Sections 01292 and 01721)	LS			\$60,000.00		\$250,000.00		\$135,000.00		\$60,000.00
2	Modified Class B Office (General Requirements, Section 01721)	LS			\$40,000.00		\$40,000.00		\$47,000.00		\$16,000.00
3	Clearing and Grubbing	LS			\$15,000.00		\$10,000.00		\$16,300.00		\$25,000.00
4	Structural Excavation, Including Haul Away & Disposal	CY	150	\$125.00	\$18,750.00	\$25.00	\$3,750.00	\$300.00	\$45,000.00	\$39.00	\$5,850.00
5	Structural Backfill	CY	35	\$100.00	\$3,500.00	\$100.00	\$3,500.00	\$152.00	\$5,320.00	\$224.00	\$7,840.00
6	48-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	102	\$650.00	\$66,300.00	\$1,400.00	\$142,800.00	\$1,320.00	\$134,640.00	\$2,800.00	\$285,600.00
7	60-Inch Diameter Cast-In-Drilled Hole Concrete Pile	LF	57	\$1,100.00	\$62,700.00	\$1,400.00	\$79,800.00	\$1,970.00	\$112,290.00	\$3,000.00	\$171,000.00
8	Furnish 54-Inch Depth Precast Prestressed Concrete Girders	LF	322	\$500.00	\$161,000.00	\$440.00	\$141,680.00	\$460.00	\$148,120.00	\$484.00	\$155,848.00
9	Erect 54-Inch Depth Precast Prestressed Concrete Girders	EA	4	\$7,000.00	\$28,000.00	\$7,500.00	\$30,000.00	\$7,100.00	\$28,400.00	\$17,510.00	\$70,040.00
10	Structural Concrete for Bridge, Approach Ramps and Foundations	CY	150	\$1,350.00	\$202,500.00	\$1,500.00	\$225,000.00	\$1,700.00	\$255,000.00	\$1,868.00	\$280,200.00
11	Concrete Barriers	LF	100	\$250.00	\$25,000.00	\$62.00	\$6,200.00	\$120.00	\$12,000.00	\$172.00	\$17,200.00
12	Decorative Metal Railings, Including Paint Finish	LF	430	\$400.00	\$172,000.00	\$436.00	\$187,480.00	\$510.00	\$219,300.00	\$400.00	\$172,000.00
13	Reinforced Concrete Retaining Wall, Type 3 (City Standard Plan S-500-0)	CY	20	\$1,000.00	\$20,000.00	\$450.00	\$9,000.00	\$1,170.00	\$23,400.00	\$1,753.00	\$35,060.00
14	Elastomeric Bearing Pads	EA	8	\$700.00	\$5,600.00	\$450.00	\$3,600.00	\$244.00	\$1,952.00	\$225.00	\$1,800.00
15	Mechanical Couplers	EA	24	\$200.00	\$4,800.00	\$125.00	\$3,000.00	\$135.00	\$3,240.00	\$200.00	\$4,800.00
16	5-Foot High Chain Link Fence with Walk Gate	LF	25	\$75.00	\$1,875.00	\$140.00	\$3,500.00	\$143.00	\$3,575.00	\$75.00	\$1,875.00
17	1-1/2- Inch Galvanized Conduit (Parkway: Including Excavations and Restoring Surface to match Adjacent Surface)	LF	310	\$25.00	\$7,750.00	\$37.50	\$11,625.00	\$24.30	\$7,533.00	\$25.00	\$7,750.00
18	1-1/2- Inch Expansion - Deflection Fittings	EA	2	\$200.00	\$400.00	\$410.00	\$820.00	\$243.00	\$486.00	\$250.00	\$500.00
19	Grounding Rod for Solar Lighting Unit per Plan	EA	2	\$100.00	\$200.00	\$163.00	\$326.00	\$122.00	\$244.00	\$500.00	\$1,000.00

**CITY ENGINEER'S ESTIMATE**

City of Los Angeles - Department of Public Works - Bureau of Engineering

**San Fernando Road Bikeway Bridge Over Pacoima Wash - Phase II**

W.O. No. E700312F; Federal Project Nos. STPLER-5006(152) & CA-95-X063

DETAILED RESULTS				CITY ENGINEER'S ESTIMATE		LOS ANGELES ENGINEERING, INC.		PETERSON-CHASE GENERAL ENGINEERING CONSTRUCTION, INC.		T.T. POLICH & ASSOCIATES, A JOINT VENTURE	
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
20	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface. Modified to 6-inch height per B in plans.	EA	2	\$500.00	\$1,000.00	\$680.00	\$1,360.00	\$910.00	\$1,820.00	\$1,000.00	\$2,000.00
21	Pullbox, (Type 2, Armorcast Including Lid, Bends, Excavating, & Restoring Surface to match Adjacent Surface.	EA	2	\$500.00	\$1,000.00	\$1,105.00	\$2,210.00	\$910.00	\$1,820.00	\$500.00	\$1,000.00
22	Special Bridge Foundation Pre-Casted per Plan	EA	2	\$2,750.00	\$5,500.00	\$2,525.00	\$5,050.00	\$1,870.00	\$3,740.00	\$1,500.00	\$3,000.00
23	10-Foot Round Steel Pole (7 GA.) with Bracket Arm and Tenon for mounting Solar Lighting Unit	EA	2	\$2,000.00	\$4,000.00	\$5,200.00	\$10,400.00	\$5,100.00	\$10,200.00	\$10,000.00	\$20,000.00
24	Carmanah 1710 Enclosure w/ Beta Edge LED Lum, Panels, Controller and Battery per Plan and Specs.	EA	2	\$6,100.00	\$12,200.00	\$10,600.00	\$21,200.00	\$3,040.00	\$6,080.00	\$12,000.00	\$24,000.00
25	Palm Tree Removal	EA	1	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$1,650.00	\$1,650.00	\$1,956.00	\$1,956.00
26	Shoring for Excavation	LS			\$20,000.00		\$10,000.00		\$4,600.00		\$1,000.00
27	Temporary Traffic Control - (WATCH Manual)	LS			\$25,025.00		\$10,000.00		\$34,500.00		\$85,000.00
28	Anti-Graffiti Coating	LS			\$10,000.00		\$35,000.00		\$36,000.00		\$6,000.00
29	Channel Slope Restoration	LS			\$5,000.00		\$2,500.00		\$6,600.00		\$10,000.00
30	Pothole and Hand Excavate Area at North and South Ramps (Including Backfill)	LS			\$25,000.00		\$10,000.00		\$7,600.00		\$40,500.00
31	6-Foot High Wrought Iron Fence (New Fence Color to Match Original)	LF	40	\$100.00	\$4,000.00	\$215.00	\$8,600.00	\$260.00	\$10,400.00	\$100.00	\$4,000.00
32	Railroad Flagging Services	DAY	100	\$1,260.00	\$126,000.00	\$1,100.00	\$110,000.00	\$1,000.00	\$100,000.00	\$975.00	\$97,500.00
<b>BICYCLE TRANSPORTATION ACCOUNT (BTA) FUNDED SCOPE OF WORK (W.O. No. E700312F)</b>											
33	Permits and Insurance (General Requirements, Sections 01292)	FXD			\$50,000.00		\$50,000.00		\$50,000.00		\$50,000.00
34	Department of Water and Power Temporary Relocation of Power Utilities (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
35	Sprint Inspection (General Requirements, Section 01292)	FXD			\$30,000.00		\$30,000.00		\$30,000.00		\$30,000.00
36	Qwest Inspection (General Requirements, Section 01292)	FXD			\$43,000.00		\$43,000.00		\$43,000.00		\$43,000.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$1,289,100.00</b>		<b>\$1,541,401.00</b>		<b>\$1,576,810.00</b>		<b>\$1,768,319.00</b>
						<b>{ High }</b>	<b>19.6%</b>	<b>{ High }</b>	<b>22.3%</b>	<b>{ High }</b>	<b>37.2%</b>