



Project | Santa Margarita Parkway Bridge Hinge Repair Project

Project Information | 12-ORA-0-0-RSM

Federal Project Number | BP MPL-5478(013)

Location | W/B Santa Margarita Parkway over Arroyo Trabuco from San Sebastian to SR-241

Agency | City of Rancho Santa Margarita

Address | 22112 El Paseo, Rancho Santa Margarita, CA 92688

Bid Opening Date & Time | February 11, 2020 at 10:00 a.m.

Engineer's Estimate - \$2,182,423

Item #	Bid Item	Quantity	Units	Beador Construction		Peterson Chase General Engineering Construction		Powell Constructors		Griffith Company	
				Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
<b>Roadway</b>											
1	Lead Compliance Plan	1	LS	\$ 5,500.00	\$ 5,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00	\$ 1,395.92	\$ 1,395.92
2	Dust Abatement	1	LS	\$ 17,500.00	\$ 17,500.00	\$ 5,000.00	\$ 5,000.00	\$ 12,000.00	\$ 12,000.00	\$ 13,300.00	\$ 13,300.00
3	Prepare Storm Water Pollution Prevention Plan	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 4,000.00	\$ 4,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,650.00	\$ 4,650.00
4	Water Pollution Control	1	LS	\$ 43,654.70	\$ 43,654.70	\$ 8,000.00	\$ 8,000.00	\$ 40,000.00	\$ 40,000.00	\$ 60,000.00	\$ 60,000.00
5	Clearing And Grubbing	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 52,000.00	\$ 52,000.00	\$ 20,000.00	\$ 20,000.00	\$ 24,600.00	\$ 24,600.00
6	Hazardous Waste Testing	1	LS	\$ 10,500.00	\$ 10,500.00	\$ 12,000.00	\$ 12,000.00	\$ 5,000.00	\$ 5,000.00	\$ 28,200.00	\$ 28,200.00
7	Roadway Excavation (Detour)	825	CY	\$ 86.00	\$ 70,950.00	\$ 85.00	\$ 70,125.00	\$ 250.00	\$ 206,250.00	\$ 133.00	\$ 109,725.00
8	Roadway Excavation (Detour Removal)	1,190	CY	\$ 79.00	\$ 94,010.00	\$ 85.00	\$ 101,150.00	\$ 95.00	\$ 113,050.00	\$ 50.80	\$ 60,452.00
9	Imported Borrow	1,460	CY	\$ 37.00	\$ 54,020.00	\$ 68.00	\$ 99,280.00	\$ 20.00	\$ 29,200.00	\$ 36.50	\$ 53,290.00
10	Class 2 Aggregate Base	850	CY	\$ 57.00	\$ 48,450.00	\$ 85.00	\$ 72,250.00	\$ 50.00	\$ 42,500.00	\$ 82.60	\$ 70,210.00
11	Hot Mix Asphalt (Type A)	700	TON	\$ 105.00	\$ 73,500.00	\$ 225.00	\$ 157,500.00	\$ 90.00	\$ 63,000.00	\$ 140.00	\$ 98,000.00
12	Rubberized Hot Mix Asphalt (Gap Graded)	50	TON	\$ 315.00	\$ 15,750.00	\$ 550.00	\$ 27,500.00	\$ 325.00	\$ 16,250.00	\$ 281.00	\$ 14,050.00
13	Concrete Median Curb, Per Ocpw Std 120-2-Oc Detail "B"	1,828	LF	\$ 30.00	\$ 54,840.00	\$ 58.00	\$ 106,024.00	\$ 25.00	\$ 45,700.00	\$ 38.40	\$ 70,195.20
14	Temporary Traffic Stripe (Paint)	15,200	LF	\$ 0.55	\$ 8,360.00	\$ 0.60	\$ 9,120.00	\$ 0.55	\$ 8,360.00	\$ 0.80	\$ 12,160.00
15	Temporary Pavement Marking (Paint)	190	SQFT	\$ 3.30	\$ 627.00	\$ 3.30	\$ 627.00	\$ 3.40	\$ 646.00	\$ 2.10	\$ 399.00
16	Remove Painted Traffic Stripe	27,200	LF	\$ 0.50	\$ 13,600.00	\$ 0.55	\$ 14,960.00	\$ 0.50	\$ 13,600.00	\$ 3.91	\$ 106,352.00
17	Channelizer (Surface Mounted)	250	EA	\$ 32.00	\$ 8,000.00	\$ 35.00	\$ 8,750.00	\$ 50.00	\$ 12,500.00	\$ 45.00	\$ 11,250.00
18	Flashing Arrow Sign	1	EA	\$ 5,500.00	\$ 5,500.00	\$ 8,000.00	\$ 8,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,640.00	\$ 6,640.00
19	Temporary Railing (Type K)	400	LF	\$ 55.00	\$ 22,000.00	\$ 30.00	\$ 12,000.00	\$ 20.00	\$ 8,000.00	\$ 77.30	\$ 30,920.00
20	Temporary Crash Cushion Module	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 3,500.00	\$ 7,000.00	\$ 2,000.00	\$ 4,000.00	\$ 3,500.00	\$ 7,000.00
21	Roadside Sign - One Post	25	EA	\$ 260.00	\$ 6,500.00	\$ 300.00	\$ 7,500.00	\$ 380.00	\$ 9,500.00	\$ 598.00	\$ 14,950.00
22	Install Roadside Sign Panel On Existing Post	31	EA	\$ 135.00	\$ 4,185.00	\$ 150.00	\$ 4,650.00	\$ 180.00	\$ 5,580.00	\$ 465.00	\$ 14,415.00
23	Type Ii Barricade	7	EA	\$ 79.00	\$ 553.00	\$ 75.00	\$ 525.00	\$ 120.00	\$ 840.00	\$ 266.00	\$ 1,862.00
24	Remove Sign Panel	3	EA	\$ 105.00	\$ 315.00	\$ 120.00	\$ 360.00	\$ 200.00	\$ 600.00	\$ 664.00	\$ 1,992.00
25	Portable Changeable Message Sign (EA)	2	EA	\$ 6,600.00	\$ 13,200.00	\$ 8,500.00	\$ 17,000.00	\$ 10,000.00	\$ 20,000.00	\$ 22,000.00	\$ 44,000.00
26	Remove Pavement Marking	570	SQFT	\$ 2.60	\$ 1,482.00	\$ 3.00	\$ 1,710.00	\$ 3.00	\$ 1,710.00	\$ 3.18	\$ 1,812.60
27	Remove Sign	25	EA	\$ 105.00	\$ 2,625.00	\$ 75.00	\$ 1,875.00	\$ 45.00	\$ 1,125.00	\$ 233.00	\$ 5,825.00
28	Remove Channelizer (Surface Mounted)	250	EA	\$ 20.00	\$ 5,000.00	\$ 24.00	\$ 6,000.00	\$ 10.00	\$ 2,500.00	\$ 6.00	\$ 1,500.00
29	Remove Crash Cushion	2	EA	\$ 525.00	\$ 1,050.00	\$ 600.00	\$ 1,200.00	\$ 1,000.00	\$ 2,000.00	\$ 664.00	\$ 1,328.00
30	Remove Concrete Barrier (Type K)	400	FT	\$ 2.60	\$ 1,040.00	\$ 5.00	\$ 2,000.00	\$ 10.00	\$ 4,000.00	\$ 28.30	\$ 11,320.00
31	Paint Traffic Stripe (2 Coat)	12,000	LF	\$ 0.40	\$ 4,800.00	\$ 0.45	\$ 5,400.00	\$ 0.40	\$ 4,800.00	\$ 1.40	\$ 16,800.00
32	Paint Pavement Marking (2 Coat)	380	SQFT	\$ 5.50	\$ 2,090.00	\$ 6.00	\$ 2,280.00	\$ 5.00	\$ 1,900.00	\$ 3.46	\$ 1,314.80
33	Install Sign Panel	3	EA	\$ 175.00	\$ 525.00	\$ 200.00	\$ 600.00	\$ 200.00	\$ 600.00	\$ 718.00	\$ 2,154.00
<b>Landscaping</b>											
34	Salvage Irrigation Facility (LS)	1	LS	\$ 5,250.00	\$ 5,250.00	\$ 6,000.00	\$ 6,000.00	\$ 1,000.00	\$ 1,000.00	\$ 6,920.00	\$ 6,920.00



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35	Minor Concrete (Stamped Concrete)	7,870	SQFT	\$ 7.00	\$ 55,090.00	\$ 15.00	\$ 118,050.00	\$ 15.00	\$ 118,050.00	\$ 18.10	\$ 142,447.00
36	Prepare And Stain Concrete	7,870	SQFT	\$ 1.30	\$ 10,231.00	\$ 6.00	\$ 47,220.00	\$ 1.00	\$ 7,870.00	\$ 4.00	\$ 31,480.00
37	Soil Preparation & Fine Grading	12,130	SF	\$ 0.90	\$ 10,917.00	\$ 1.00	\$ 12,130.00	\$ 1.70	\$ 20,621.00	\$ 0.67	\$ 8,127.10
38	Imported Topsoil (CY)	167	CY	\$ 155.00	\$ 25,885.00	\$ 165.00	\$ 27,555.00	\$ 140.00	\$ 23,380.00	\$ 85.40	\$ 14,261.80
39	Furnish And Install Irrigation System	1	LS	\$ 42,000.00	\$ 42,000.00	\$ 41,500.00	\$ 41,500.00	\$ 40,000.00	\$ 40,000.00	\$ 35,400.00	\$ 35,400.00
40	Plant (Group B) (5-Gal (Pittosporum Tobira) Shrub)	828	EA	\$ 25.00	\$ 20,700.00	\$ 27.00	\$ 22,356.00	\$ 24.00	\$ 19,872.00	\$ 20.90	\$ 17,305.20
41	Plant (Group U) (15-Gal Magnolia Grandiflora Tree)	17	EA	\$ 215.00	\$ 3,655.00	\$ 220.00	\$ 3,740.00	\$ 200.00	\$ 3,400.00	\$ 164.00	\$ 2,788.00
42	Wood Mulch (2-Inch Deep)	75	CY	\$ 112.00	\$ 8,400.00	\$ 120.00	\$ 9,000.00	\$ 100.00	\$ 7,500.00	\$ 83.30	\$ 6,247.50
43	Root Barrier (Lf) (24-Inch Deep)	680	LF	\$ 12.00	\$ 8,160.00	\$ 14.00	\$ 9,520.00	\$ 12.00	\$ 8,160.00	\$ 12.40	\$ 8,432.00
44	90-Day Plant Establishment And Irrigation Maintenance Period	1	LS	\$ 8,000.00	\$ 8,000.00	\$ 8,500.00	\$ 8,500.00	\$ 7,500.00	\$ 7,500.00	\$ 18,500.00	\$ 18,500.00
45	Furnish & Provide Soils Report With Recommendations	1	LS	\$ 31,500.00	\$ 31,500.00	\$ 15,000.00	\$ 15,000.00	\$ 25,000.00	\$ 25,000.00	\$ 1,010.00	\$ 1,010.00
<b>Structures</b>											
46	Temporary Support	1	LS	\$ 365,000.00	\$ 365,000.00	\$ 680,000.00	\$ 680,000.00	\$ 1,600,000.00	\$ 1,600,000.00	\$ 940,000.00	\$ 940,000.00
47	Temporary Decking	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 35,000.00	\$ 35,000.00	\$ 12,000.00	\$ 12,000.00	\$ 15,000.00	\$ 15,000.00
48	Jacking Superstructure	1	LS	\$ 45,000.00	\$ 45,000.00	\$ 85,000.00	\$ 85,000.00	\$ 50,000.00	\$ 50,000.00	\$ 450,000.00	\$ 450,000.00
49	Structural Concrete, Bridge	60	CY	\$ 1,650.00	\$ 99,000.00	\$ 3,500.00	\$ 210,000.00	\$ 4,000.00	\$ 240,000.00	\$ 3,000.00	\$ 180,000.00
50	Drill And Bond Dowel	30	LF	\$ 52.00	\$ 1,560.00	\$ 65.00	\$ 1,950.00	\$ 25.00	\$ 750.00	\$ 418.00	\$ 12,540.00
51	Joint Seal (MR 2")	77	LF	\$ 145.00	\$ 11,165.00	\$ 100.00	\$ 7,700.00	\$ 140.00	\$ 10,780.00	\$ 150.00	\$ 11,550.00
52	Joint Seal Assembly (MR 3")	59	LF	\$ 200.00	\$ 11,800.00	\$ 450.00	\$ 26,550.00	\$ 650.00	\$ 38,350.00	\$ 750.00	\$ 44,250.00
53	Joint Seal Assembly (MR 4")	75	LF	\$ 735.00	\$ 55,125.00	\$ 450.00	\$ 33,750.00	\$ 675.00	\$ 50,625.00	\$ 1,900.00	\$ 142,500.00
54	Bar Reinforcing Steel (Bridge)	11,933	LB	\$ 2.10	\$ 25,059.30	\$ 2.75	\$ 32,815.75	\$ 2.60	\$ 31,025.80	\$ 38.00	\$ 453,454.00
55	Rapid Setting Concrete (Patch)	581	CF	\$ 35.00	\$ 20,335.00	\$ 110.00	\$ 63,910.00	\$ 20.00	\$ 11,620.00	\$ 48.60	\$ 28,236.60
56	Remove Concrete Deck Surface	1,628	SQFT	\$ 13.00	\$ 21,164.00	\$ 18.00	\$ 29,304.00	\$ 10.00	\$ 16,280.00	\$ 16.90	\$ 27,513.20
57	Remove Unsound Concrete	581	CF	\$ 35.00	\$ 20,335.00	\$ 110.00	\$ 63,910.00	\$ 10.00	\$ 5,810.00	\$ 155.00	\$ 90,055.00
58	Prepare Concrete Bridge Deck Surface	70,118	SQFT	\$ 0.15	\$ 10,517.70	\$ 0.25	\$ 17,529.50	\$ 0.30	\$ 21,035.40	\$ 0.67	\$ 46,979.06
59	Furnish Polyester Concrete Overlay	628	CF	\$ 75.00	\$ 47,100.00	\$ 128.00	\$ 80,384.00	\$ 78.00	\$ 48,984.00	\$ 111.00	\$ 69,708.00
60	Place Polyester Concrete Overlay	4,635	SQFT	\$ 9.00	\$ 41,715.00	\$ 8.00	\$ 37,080.00	\$ 15.00	\$ 69,525.00	\$ 23.30	\$ 107,995.50
61	Treat Bridge Deck	70,118	SQFT	\$ 0.35	\$ 24,541.30	\$ 0.40	\$ 28,047.20	\$ 0.20	\$ 14,023.60	\$ 1.00	\$ 70,118.00
62	Furnish Bridge Deck Treatment Material	1,275	GAL	\$ 48.00	\$ 61,200.00	\$ 55.00	\$ 70,125.00	\$ 55.00	\$ 70,125.00	\$ 74.20	\$ 94,605.00
63	Access Opening, Deck	8	EA	\$ 6,600.00	\$ 52,800.00	\$ 4,600.00	\$ 36,800.00	\$ 7,500.00	\$ 60,000.00	\$ 5,000.00	\$ 40,000.00
64	Bridge Removal (Portion)	1	LS	\$ 64,000.00	\$ 64,000.00	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00	\$ 190,000.00	\$ 190,000.00
65	Miscellaneous Metal (Restrainer - Bar Type)	3,862	LB	\$ 14.00	\$ 54,068.00	\$ 12.00	\$ 46,344.00	\$ 16.00	\$ 61,792.00	\$ 30.00	\$ 115,860.00
66	Miscellaneous Metal (Bridge)	1,605	LB	\$ 8.40	\$ 13,482.00	\$ 15.00	\$ 24,075.00	\$ 8.00	\$ 12,840.00	\$ 16.00	\$ 25,680.00
67	Tubular Handrailing	12	LF	\$ 875.00	\$ 10,500.00	\$ 798.00	\$ 9,576.00	\$ 265.00	\$ 3,180.00	\$ 965.00	\$ 11,580.00
68	Concrete Barrier (Type 26)	6	LF	\$ 2,200.00	\$ 13,200.00	\$ 650.00	\$ 3,900.00	\$ 1,000.00	\$ 6,000.00	\$ 2,720.00	\$ 16,320.00
69	Concrete Barrier (Type 27 Modified)	9	LF	\$ 1,460.00	\$ 13,140.00	\$ 650.00	\$ 5,850.00	\$ 650.00	\$ 5,850.00	\$ 3,700.00	\$ 33,300.00



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<b>Environmental</b>											
70	Temporary Fence (Type ESA)	2,320	LF	\$ 4.40	\$ 10,208.00	\$ 6.00	\$ 13,920.00	\$ 8.00	\$ 18,560.00	\$ 7.00	\$ 16,240.00
71	Contractor-Supplied Biologist (LS)	1	LS	\$ 85,000.00	\$ 85,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 166,000.00	\$ 166,000.00
72	Exclusionary Netting (Bridge)	1	LS	\$ 21,000.00	\$ 21,000.00	\$ 12,500.00	\$ 12,500.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
73											
74	Plant Establishment Period	1	LS	\$ 5,500.00	\$ 5,500.00	\$ 10,000.00	\$ 10,000.00	\$ 15,000.00	\$ 15,000.00	\$ 72,600.00	\$ 72,600.00
75	Revegetation	1	LS	\$ 27,500.00	\$ 27,500.00	\$ 6,000.00	\$ 6,000.00	\$ 50,000.00	\$ 50,000.00	\$ 111,500.00	\$ 111,500.00
76	Restoration Plan	1	LS	\$ 5,250.00	\$ 5,250.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00	\$ 50,300.00	\$ 50,300.00
77											
<b>Mobilization</b>											
78	Mobilization	1	LS	\$ 250,000.00	\$ 250,000.00	\$ 400,000.00	\$ 400,000.00	\$ 190,000.00	\$ 190,000.00	\$ 570,000.00	\$ 570,000.00
<b>Supplemental Items</b>											
79	Rain Event Action Plan	30	EA	\$ 210.00	\$ 6,300.00	\$ 300.00	\$ 9,000.00	\$ 500.00	\$ 15,000.00	\$ 200.00	\$ 6,000.00
80	Storm Water Sampling And Analysis Day	30	EA	\$ 175.00	\$ 5,250.00	\$ 300.00	\$ 9,000.00	\$ 500.00	\$ 15,000.00	\$ 355.00	\$ 10,650.00
81	Storm Water Annual Report	2	EA	\$ 1,050.00	\$ 2,100.00	\$ 1,500.00	\$ 3,000.00	\$ 1,000.00	\$ 2,000.00	\$ 250.00	\$ 500.00
82	Engineer Specified Positive Location (Pothole)	20	EA	\$ 1,050.00	\$ 21,000.00	\$ 500.00	\$ 10,000.00	\$ 130.00	\$ 2,600.00	\$ 1,760.00	\$ 35,200.00
83	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	12,000	LF	\$ 0.40	\$ 4,800.00	\$ 0.60	\$ 7,200.00	\$ 0.50	\$ 6,000.00	\$ 1.50	\$ 18,000.00
84	Remove Yellow Painted Pavement Marking (Hazardous Waste)	570	SQFT	\$ 1.00	\$ 570.00	\$ 3.00	\$ 1,710.00	\$ 4.00	\$ 2,280.00	\$ 5.08	\$ 2,895.60
85	Remove Soil (Hazardous Waste)	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 15,000.00	\$ 15,000.00	\$ 1.00	\$ 1.00	\$ 132,500.00	\$ 132,500.00
				<b>Grand Total (As-Calculated)</b>	<b>\$ 2,536,700.00</b>		<b>\$ 3,582,387.45</b>		<b>\$ 4,195,600.80</b>		<b>\$ 5,754,611.08</b>
				<b>Grand Total (As-Read)</b>	<b>\$ 2,536,700.00</b>		<b>\$ 3,585,387.45</b>		<b>\$ 4,195,600.80</b>		<b>\$ 5,745,011.08</b>