

**City of Irvine**  
Federal Fiscal Year 2023/2024  
Bridge Preventive Maintenance Program  
(FY 2024)

PM00248

Priority (Lowest Number Is Top Priority)	Agency Location	Bridge Number from Inspection Report	Facility Carried	Feature Intersected	Location	Sufficiency Rating	SD/FO Status	Participating Work Description	Non-Participating Work Description	Deck Area (ft <sup>2</sup> )	Estimate Cost of Repair including TC*	Federal Share	Local Share	Total Non-Particip. Cost	Total Particip. Cost
1	Irvine	55C0627R	Irvine Blvd EB	Peters Canyon Wash	<a href="#">0.6 Mile East of Jamboree Road</a>	51.1	x	1. Seal the approach and departure slab cracks with proper means as epoxy injection or methacrylate resin treatment. 2. <u>Replace joint seals at both abutments.</u>	1. Seal abutment wall cracks by epoxy injection.	5,726.39	\$ 105,700.00	\$ 84,560.00	\$ 21,140.00	\$ 4,500.00	\$ 105,700.00
2	Irvine	55C0486L	Alton Pkwy WB	Rail Road	<a href="#">0.3 Mile NE of Mulrland Blvd</a>	65.7	x	1. Identify the spalled areas at the bottom of both columns, remove unsound concrete, clean the rusts on the exposed rebars and patch up.		8,804.87	\$ 34,000.00	\$ 27,200.00	\$ 6,800.00		\$ 34,000.00
3	Irvine	55C0357	Culver Dr	San Diego Creek Channel	<a href="#">0.2 Mile South of Barranca Parkway</a>	70.0	x	1. Locate the spill at the western end of the southern footing, remove unsound concrete and rusts on the exposed rebars, clean and patch it up. 2. Locate the spills on the PS concrete slab soffit, remove unsound concrete and rusts on exposed rebars, clean and patch them up.		6,243.06	\$ 30,000.00	\$ 24,000.00	\$ 6,000.00		\$ 30,000.00
4	Irvine	55C0361	Main St	Lane Channel	<a href="#">100 e/o Macarthur</a>	73.4	x	1. Remove unsound and patch all spalls at all subject walls.		7,889.94	\$ 23,200.00	\$ 18,560.00	\$ 4,640.00		\$ 23,200.00
5	Irvine	55C0339R	Main St EB	San Diego Creek Channel	<a href="#">0.3 Mile east of Jamboree Rd</a>	76.2	x	1. Treat the entire deck surface with methacrylate resin.	1. At eastern end departure area, seal the AC pavement cracks with asphalt slurry, or remove the deteriorated AC material and repave.	12,428.00	\$ 126,268.48	\$ 101,014.78	\$ 25,253.70	\$ 35,000.00	\$ 126,268.48
6	Irvine	55C0342L	Barranca Pkwy WB	Peters Canyon Wash	<a href="#">0.2 Mi E Jamboree RD</a>	77.7	x	1. Treat the entire deck surface with methacrylate resin.		6,994.00	\$ 74,556.00	\$ 59,644.80	\$ 14,911.20		\$ 74,556.00
7	Irvine	55C0436	West Yale Loop	San Diego Creek Channel	<a href="#">0.2 Mile Southwest of Barranca Parkway</a>	79.4	x	1. Seal the concrete deck cracks by treating the entire surface with methacrylate resin, or other equivalent measures.		21,283.00	\$ 216,235.00	\$ 172,988.00	\$ 43,247.00		\$ 216,235.00
8	Irvine	55C0439R	Walnut Avenue EB	Peters Canyon Wash	<a href="#">0.6 Mile East of Jamboree Road</a>	79.9	x	1. Treat the entire deck surface with methacrylate resin. 2. Locate the abutment #1 wall spill 14 feet from southern end (5 ft H x 12 in W x 2 in D), remove all unsound concrete, clean the rusts on the exposed rebars and coat the rebars with epoxy resin as needed, then patch the spalled area up.		5,488.00	\$ 55,758.00	\$ 44,606.40	\$ 11,151.60		\$ 55,758.00
9	Irvine	55C0577	Irvine Center Dr	San Diego Creek Channel	<a href="#">0.3 mile s/o Bake Pkwy.</a>	82.0	x	1. Treat the entire deck surface with methacrylate resin.		9,286.00	\$ 94,346.00	\$ 75,476.80	\$ 18,869.20		\$ 94,346.00
<b>Grand Total =</b>												<b>\$ 608,051</b>	<b>\$ 152,013</b>	<b>\$ 39,500</b>	<b>\$ 760,063</b>