

Field Review

Prior to conducting field reviews, the inspection reports for the 11 bridges that are currently on the Caltrans Structures Maintenance and Investigation (SM&I) Local Agency Bridge List under the City of Palm Desert's jurisdiction were reviewed. The Caltrans inspection reports provided by the City are provided in Appendix D.

Field reviews were conducted from July 10th through July 17th of 2021, to include all accessible bridges within the limits of the City of Palm Desert, including bridges not listed within the Caltrans SM&I Local Agency Bridge List for the City of Palm Desert. Each bridge was inspected to evaluate the need for maintenance, and to identify maintenance activities eligible for Caltrans' Bridge Preventive Maintenance Program (BPMP) funding. Additional recommended maintenance activities that are not eligible for BPMP funding were also noted. Maintenance recommendations, if noted in the most recent Caltrans Bridge Inspection Report (BIR), were confirmed. A field inspection was completed, and photographs were taken to document existing conditions. Field review photos are provided in Appendix E.

Summary and Conclusions

A ranking procedure was developed and documented as part of the City's Preventive Bridge Maintenance Plan. The result is a detailed BPMP listing that includes recommended preventive maintenance work and a work prioritization ranking for each bridge listed below.

Priority	Bridge Number	Facility Carried	Feature Intersected	Work Description
1	55C-0467	Monterey Ave	Whitewater River	<ul style="list-style-type: none">• Repair Deck. This will require AC removal, deck treatment, repairing soffit cracks, and grinding approach AC to conform to deck elevation.• Replace compression joint seal.• Repair existing scour countermeasures.
2	56C-0502	Palm Canyon Drive	Rancho Mirage Channel	<ul style="list-style-type: none">• Repair Deck. This will require AC removal, deck treatment, repairing soffit cracks, and grinding approach AC to conform to deck elevation.• Repair Cracks on pile extensions.
3	55C-0550	Magnesia Falls Dr	San Pascual Channel	<ul style="list-style-type: none">• Repair Deck. This will require AC removal, deck treatment, repairing soffit cracks, and grinding approach AC to conform to deck elevation.
4	56C-0549	Portola Avenue	Whitewater River	<ul style="list-style-type: none">• Repair Deck. This will require AC removal, deck treatment, repairing soffit cracks, and grinding approach AC to conform to deck elevation.• Replace compression joint seal.
5	56C-0327	Thrush Road	Palm Valley Stormwater Channel	<ul style="list-style-type: none">• Replace compression joint seal. Remove unsound concrete and RSC patch.
6	56C-0326	Tierra Del Oro	Palm Valley Stormwater Channel	<ul style="list-style-type: none">• Replace compression joint seal. Remove unsound concrete and RSC patch.

7	56C-0329	Park View Drive	Palm Valley Stormwater Channel	<ul style="list-style-type: none"> • Replace compression joint seal. Remove unsound concrete and RSC patch.
8	56C-0167	Fred Waring Drive	Palm Valley Stormwater Channel	<ul style="list-style-type: none"> • Repair Spalled surface area
9	56C-0347	Portola Avenue	Haystack Channel	<ul style="list-style-type: none"> • Repair Spalled surface area
10	56C-0494	Cook Street	Whitewater River	<ul style="list-style-type: none"> • Debris removal. Not eligible for HBP reimbursement
11	56C-0594	Palm Canyon Drive	Palm Valley Channel	<ul style="list-style-type: none"> • No maintenance recommended
12	56C-0653	Cholla Way	Palm Valley Stormwater Channel	<ul style="list-style-type: none"> • No maintenance recommended
13	56C-0654	Heliotrope Drive	Haystack Channel	<ul style="list-style-type: none"> • No maintenance recommended
14	N/A	Painters Path	Palm Valley Stormwater Channel	<ul style="list-style-type: none"> • No maintenance recommended.
15	N/A	Cholla Way (Culvert)	Palm Valley Stormwater Channel Tributary	<ul style="list-style-type: none"> • No maintenance recommended.
16	N/A	Alamo Drive	Haystack Channel	<ul style="list-style-type: none"> • No maintenance recommended
17	N/A	Fred Waring Drive (Culvert)	South Palm Channel	<ul style="list-style-type: none"> • No maintenance recommended.

References

1. California Department of Transportation, Bridge Preventive Maintenance Program Guidelines for Local Agencies, Caltrans, Sacramento, 2015.
2. Caltrans Local Assistance Procedures Guidelines, Chapter 6, Caltrans, Sacramento, 2021.
3. Caltrans Local Assistance Procedures Manual, Caltrans, Sacramento, 2021.
4. U.S. Department of Transportation, Federal Highway Administration, Recording and Coding Guide for Structure Inventory and Appraisal of the Nation's Bridges, Report No. FHWA-PD-96-001, Washington D.C., 1995.