Executive Summary

1.	Project Title:	Holly Street Bridge Seismic Retrofit Project
2.	Lead Agency Name and Address:	City of Pasadena, 100 North Garfield Avenue, Pasadena, CA 91101
3.	Contact Person and Phone Number:	James Tong, Project Manager, (626) 744-3971
4.	Project Location:	Holly Street Bridge over Arroyo Seco Flood Control Channel (southeast of Linda Vista Avenue), City of Pasadena, Los Angeles County, California (see Figures 1-3 and addition detail provided below in part *8. Description of the Project*).
5.	Project Sponsor's Name and Address:	City of Pasadena, 100 North Garfield Avenue, Pasadena, CA 91101
6.	General Plan Designation:	Low Density Residential, Medium Density Residential, Open Space
7.	Zoning:	ROW, OS-Open Space, RM-Multi-Family Residential, and RS-Single-Family Residential
8.	Description of the Project:	

The City, in coordination with the California Department of Transportation (Caltrans), proposes to rehabilitate and seismically retrofit the existing two-lane Holly Street Bridge (No. 53C1041) over the Arroyo Seco channel, the Arroyo Seco Trail (a Class 1 multi-use trail), and North Arroyo Boulevard.

The seismic retrofit of Holly Street Bridge would occur on the Holly Street Bridge over the Arroyo Seco Flood Control Channel southeast of Linda Vista Avenue in the City of Pasadena, Los Angeles County, California within the San Pascual (Garfias) Land Grand (unsectioned portion) of Township 1 North, Range 12 West (San Bernardino Meridian and Baseline), as depicted on the USGS *Pasadena*, *California* 7.5-minute topographic map. Staging areas would occur along North Arroyo Boulevard between the Holly Street Bridge and Seco Street, as well as other staging areas at the intersection of Seco Street and West Drive. Access to the bridge would also occur along North Arroyo Boulevard and Linda Vista Avenue.

The existing bridge was constructed in 1925 and is 45.3-feet wide by 400.0-feet long. It carries two-lanes of traffic over the Arroyo Seco and North Arroyo Boulevard (one lane in each direction), as well as two sidewalks along its north and south sides with no barrier between the sidewalk and vehicular traffic. The bridge is a concrete arch-deck span constructed from cast-in-place concrete. The current Annual Average Daily Traffic (AADT) is 7,453. According to the Caltrans Bridge Inspection Report (BIR), the bridge currently (July 2016) holds a sufficiency rating of 39.4 and is classified as Structurally Deficient.

The proposed Project would provide needed rehabilitation and a seismic retrofit to the existing bridge. Bridge retrofit and rehabilitation would include a deck and barrier replacement, luminaire replacement, archway stiffening, joint strengthening, column strengthening, pier cap strengthening, retrofit foundation hold-downs, concrete spall repair, crack sealing, and a bonded grout treatment.

A raised construction work platform would be temporarily constructed over the Arroyo Seco concrete channel, North Arroyo Boulevard, and the Class 1 multi-use trail so that these facilities may remain untouched and functioning for the duration of construction. The platform would provide construction access to the underside of the bridge to allow the retrofit and rehabilitation actions to occur. A temporary bridge would be constructed over the Arroyo Seco Flood Control Channel to provide construction equipment access to both sides of the channel. This bridge would be a separate structure from the raised construction work platform under the Holly Street Bridge. The Holly Street Bridge would be closed approximately 9 months out of the 18 month construction period. The proposed Project would involve the use of a detour and temporary access route using Linda Vista Avenue, San Rafael Avenue, Colorado Boulevard, and Orange Grove Boulevard.

The maximum depth of excavation is anticipated at 15 feet below ground surface. Drilled piles, up to 50 feet below the pile cap may be required in select portions of the Area of Potential Effects (APE). Grading is intended to be balanced but a small (approximately 100 cubic yards) of export soil may be needed to accommodate installation of the expanded pile cap. Several potential construction staging areas have been designated north of the Holly Street Bridge. These areas include a portion of Brookside Park Parking Lot I, and undeveloped City owned properties near the Seco Street crossing of the Arroyo Seco Flood Control Channel (see Figure 3).

Overhead electric and telephone utilities along the bridge may need to be relocated to accommodate the bridge rehabilitation. In addition, a telephone conduit utility attached to the side of the bridge may require temporary relocation. Utility relocations are expected to occur within the existing City road right-of-way. Additional electrical and gas utilities would be added to the bridge.

All work is expected to occur within the existing right-of-way (ROW), with the exception of partial ROW acquisitions for new sidewalks and temporary construction easements (TCEs) required. Temporary construction easements and utility relocations would occur as a result of the proposed Project since an access road on the west side and east side of North Arroyo Boulevard would need to be constructed in order to allow contractors to access the bridge.

The bridge is on the eligible bridge list for rehabilitation through the Highway Bridge Program (HBP) under lump sum funds for the Federal Transportation Improvement Program (FTIP). The proposed Project is federally funded and requires compliance with both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). The lead agency for the CEQA compliance is the City of Pasadena; the federal lead agency for NEPA compliance is Caltrans.

Surrounding Land Uses and Setting: The surrounding land use is encompassed by residential use on either side of the bridge, above the Arroyo Seco, and recreational use within the Arroyo Seco and Brookside Parks.