

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # 2016111018

Project Title: Bear Valley Road Bridge Over the Mojave River Rehabilitation Project

Lead Agency: Town of Apple Valley Contact Person: Paula Pereira
 Mailing Address: 14955 Dale Evans Parkway Phone: 760-240-7000 ext.7103
 City: Apple Valley Zip: 92307 County: San Bernardino

Project Location: County: San Bernardino City/Nearest Community: Town of Apple Valley
 Cross Streets: Bear Valley Rd/Jess Ranch Pkwy, Bear Valley Rd/Mojave Fish Hatchery Rd Zip Code: 92307
 Longitude/Latitude (degrees, minutes and seconds): 34 ° 28 ' 15.64 " N / 117 ° 15 ' 13.90 " W Total Acres: 45.2
 Assessor's Parcel No.: 044-412-118, 039-926-102 Section: 36 Twp.: 5N Range: 4W Base: _____
 Within 2 Miles: State Hwy #: N/A Waterways: Mojave River
 Airports: N/A Railways: BNSF Barstow-Cajon Schools: Apple Valley Unified

Document Type:

CEQA: NOP Draft EIR NEPA: NOI Other: Joint Document
 Early Cons Supplement/Subsequent EIR EA Final Document
 Neg Dec (Prior SCH No.) _____ Draft EIS Other: _____
 Mit Neg Dec Other: Addendum to Mit Neg Dec FONSI _____

Governor's Office of Planning & Research

Local Action Type:

General Plan Update Specific Plan Rezone Annexation
 General Plan Amendment Master Plan Prezone Redevelopment
 General Plan Element Planned Unit Development Use Permit Coastal Permit
 Community Plan Site Plan Land Division (Subdivision, etc.) Other: Transportation

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Development Type:

Residential: Units _____ Acres _____ Transportation: Type Bridge Rehabilitation
 Office: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
 Commercial: Sq.ft. _____ Acres _____ Employees _____ Power: Type _____ MW _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____ Waste Treatment: Type _____ MGD _____
 Educational: _____ Hazardous Waste: Type _____
 Recreational: _____ Other: _____
 Water Facilities: Type _____ MGD _____

Project Issues Discussed in Document:

Aesthetic/Visual Fiscal Recreation/Parks Vegetation
 Agricultural Land Flood Plain/Flooding Schools/Universities Water Quality
 Air Quality Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater
 Archeological/Historical Geologic/Seismic Sewer Capacity Wetland/Riparian
 Biological Resources Minerals Soil Erosion/Compaction/Grading Growth Inducement
 Coastal Zone Noise Solid Waste Land Use
 Drainage/Absorption Population/Housing Balance Toxic/Hazardous Cumulative Effects
 Economic/Jobs Public Services/Facilities Traffic/Circulation Other: _____

Present Land Use/Zoning/General Plan Designation:

Major Divided Arterial Roadway

Project Description: *(please use a separate page if necessary)*

(see continuation page for project description)

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X". If you have already sent your document to the agency please denote that with an "S".


- | | |
|--|--|
| <input type="checkbox"/> Air Resources Board | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Public School Construction |
| <input type="checkbox"/> California Emergency Management Agency | <input type="checkbox"/> Parks & Recreation, Department of |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input checked="" type="checkbox"/> Caltrans District # <u>8</u> | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input checked="" type="checkbox"/> Regional WQCB # <u>6</u> |
| <input type="checkbox"/> Caltrans Planning | <input type="checkbox"/> Resources Agency |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input type="checkbox"/> Resources Recycling and Recovery, Department of |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Comm. |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input type="checkbox"/> Conservation, Department of | <input type="checkbox"/> Santa Monica Mtns. Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input type="checkbox"/> SWRCB: Water Quality |
| <input type="checkbox"/> Energy Commission | <input type="checkbox"/> SWRCB: Water Rights |
| <input checked="" type="checkbox"/> Fish & Game Region # <u>6</u> | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input type="checkbox"/> Toxic Substances Control, Department of |
| <input type="checkbox"/> Forestry and Fire Protection, Department of | <input checked="" type="checkbox"/> Water Resources, Department of |
| <input type="checkbox"/> General Services, Department of | |
| <input type="checkbox"/> Health Services, Department of | Other: _____ |
| <input type="checkbox"/> Housing & Community Development | Other: _____ |
| <input type="checkbox"/> Native American Heritage Commission | |

Local Public Review Period (to be filled in by lead agency)

Starting Date January 9th, 2020 Ending Date February 11th, 2020

Lead Agency (Complete if applicable):

| | |
|---|---|
| Consulting Firm: <u>Dokken Engineering</u> | Applicant: <u>Town of Apple Valley, Paula Pereira</u> |
| Address: <u>110 Blue Ravine Road, Suite 200</u> | Address: <u>14955 Dale Evans Parkway</u> |
| City/State/Zip: <u>Folsom/CA/95630</u> | City/State/Zip: <u>Apple Valley/CA/92307</u> |
| Contact: <u>Sarah Holm</u> | Phone: <u>760-240-7000 ext.7103</u> |
| Phone: <u>916-858-0642</u> | |

Signature of Lead Agency Representative:  Date: 1/8/2020

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Project Description

The existing Bear Valley Road Bridge over the Mojave River is one of only four crossings of the Mojave River in the Apple Valley, Victorville and Hesperia areas.

The Bear Valley Road Bridge is an eleven-span, 819-foot long, reinforced concrete T-beam bridge supported on reinforced concrete pier walls and cantilever abutments. Both the abutments and piers are founded on driven, precast, and prestressed concrete piles. The bridge was originally constructed in 1963 as a two-lane bridge. It was widened to the north in 1988 to accommodate four travel lanes. Between 2004 and 2006, the bridge was re-stripped to six lanes with no median or shoulders to accommodate increasing traffic demands.

Because the existing Bear Valley Road Bridge has a sufficiency rating of 52 and is Structurally Deficient and Functionally Obsolete, it qualifies for rehabilitation funding under the HBP. The low sufficiency rating is mainly due to low marks for the superstructure, bridge deck, and bridge geometrics.

The purpose of the project is to:

- Rehabilitate and seismically retrofit the Bear Valley Road Bridge to address functional and structural deficiencies and to meet current design standards;
- Widen the existing Bear Valley Road Bridge to provide a facility consistent with the Town's standards for a "major divided arterial" which include six travel lanes, shoulders with designated bike lanes, a center median, and sidewalks;
- Construct Class II bike lanes (included in the shoulder width), a sidewalk on the south side, and a Class I multi-use path on the north side.

According to the Caltrans Bridge Inspection Report (BIR) dated February 2014, the Bear Valley Road Bridge is Functionally Obsolete, Structurally Deficient, and has a sufficiency rating of 52. Also, the bridge does not currently meet geometric or structural standards set by the American Association of State Highway and Transportation Officials or design standards within the Town's General Plan; including the Town's plan for bike and pedestrian facilities. The project is needed to eliminate documented deficiencies and to meet current standards.

Build Alternative

The Build Alternative would remove the original 1963 bridge and rehabilitate the remaining 1988 portion of the bridge. The remaining 1988 structure would be widened to the north and south to facilitate six travel lanes, a center median, shoulders with Class II bike lanes, a barrier protected multi-use path on the north side of the bridge, and a barrier protected sidewalk on the south side of the bridge. The bridge will be widened approximately 31 feet to the north and 15 feet to the south to allow room for the added shoulders, median, sidewalk, and Class I path. The widened bridge would be supported on large diameter cast in drilled hole (CIDH) concrete piles extending approximately 90 feet below grade. The widened bridge will then transition to the existing roadway at the intersections of Mojave Fish Hatchery Road and Jess Ranch

Parkway. In the case of the Fish Hatchery Road intersection, it will conform to the intersection which will include the features under construction as part of the adjacent commercial development to the south. Construction activities will include: partial bridge removal and rehabilitation; bridge footing, pier, and abutment work; bridge deck widening; utility relocation, including the overhead electrical transmission lines; approach roadway widening; ADA modifications; and restriping between Mojave Fish Hatchery Road and Jess Ranch Parkway. Intersection signal modifications will be required. No added through or turn lanes are proposed, except those added by the approved development under construction; the project would not increase vehicle capacity on the facility.

The proposed project would require replacement of the Southern California Edison power corridor. SCE will relocate facilities on the Cottonwood-Savage 115kV line from the south side of Bear Valley Road to the north side of the bridge as part of the project. The relocation will be approximately 1,916 linear feet and will include the installation of two tubular steel poles approximately 100 feet tall. The circumference of the steel poles will be approximately 10 feet and footing depth will be approximately 30-50 feet. An additional three wood poles, approximately 70-80 feet tall with a circumference of approximately 2 feet, will be installed. These poles will be placed at a depth of approximately 10 feet. Lastly, approximately 5 distribution poles on the Boise 12kV line with Transmission Telecom will be relocated from the south side of Bear Valley Road Bridge to the north side. The 5 poles will be wood, and range in height from 40-60 feet with 2-foot circumferences and will be placed approximately 10 feet deep.

The utilities attached to the exterior girder of the existing 1963 bridge — Sunesys, Verizon Business, and Verizon — would require either permanent or temporary relocation. Southwest Gas Corporation facilities attached to the exterior girder of the 1988 bridge would likely be protected in place but may be relocated to within the existing bridge if beneficial to construction staging. Additional protection would be required at the abutment construction where the utility transitions to an underground alignment.

One recreational facility, the Mojave Riverwalk trail, is present on the north side of Bear Valley Road, west of the Mojave River. Access to a portion of the Riverwalk trail that connects to Bear Valley Road will be temporarily blocked off to accommodate construction activities. A temporary path will be constructed to allow access to Bear Valley Road and Fish Hatchery Road during construction. A Section 4(f) memorandum, in accordance with the United States Department of Transportation Act of 1966, will be prepared for the project to document temporary impacts to the Riverwalk trail and will be approved by the City of Victorville, respective owner of the facility. Once constructed, the project will provide connectivity to the Riverwalk trail along Bear Valley Road and the Mojave River. The new Class I Path proposed along the north side of the Bear Valley Road Bridge will connect to the Riverwalk path.

Construction of the proposed project would take place in three major stages. The first stage will be the relocation of the SCE transmission corridor. Bear Valley Road would subsequently be reduced from six to four lanes through the project area. Construction would proceed with the traffic shifted to the south to allow widening to the north, followed by the third major shift of traffic to the north, allowing widening to the south. The SCE relocation is estimated to take 9 months and could start in 2020. Bridge construction will require 29 months and could begin in 2021, depending on funding.

No Build Alternative

Under the No-Build Alternative, the Bear Valley Road Bridge over the Mojave River, approach roadway, and sidewalks would remain in their existing condition and no pedestrian or bicycle improvements would be made along Bear Valley Road. The bridge would remain structurally deficient and functionally obsolete and would remain susceptible to major damage in a seismic event with liquefaction.