

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 # 2020049004

Project Title: Champlin Slough Bridge Replacement Project

Lead Agency: California Department of Transportation (Caltrans)

Contact Person: Darrin Doyle

Mailing Address: 1657 Riverside Drive, MS 30

Phone: (530) 225-0311

City: Redding

Zip: 96001

County: Shasta

Project Location: County: Tehama

City/Nearest Community: Vina/Los Molinos

Cross Streets: State Route 99

Zip Code: 96055

Longitude/Latitude (degrees, minutes and seconds): 39 ° 59 ' 4 " N / 122 ° 4 ' 52 " W Total Acres: 4.44

Assessor's Parcel No.:

Section: NA

Twp.: NA

Range: NA

Base:

Within 2 Miles: State Hwy #: 99

Waterways: Champlin Slough, Toomes Creek, Sacramento River

Airports: None

Railways: 1

Schools: None

Document Type:CEQA: ☐ NOP☐ Draft EIRNEPA: ☐ NOIOther: ☐ Joint Document☐ Early Cons☐ Supplement/Subsequent EIR☐ EA☐ Final Document☒ Neg Dec

(Prior SCH No.)

☐ Draft EIS☒ Other: NEPA Categorical Exclusion☐ Mit Neg Dec

Other:

☐ FONSI

Governor's Office of Planning & Research

Local Action Type:

APR 01 2020

☐ General Plan Update☐ Specific Plan☐ Rezone☐ Annexation☐ General Plan Amendment☐ Master Plan☐ Prezone

STATE CLEARINGHOUSE

☐ Redevelopment☐ General Plan Element☐ Planned Unit Development☐ Use Permit☐ Coastal Permit☐ Community Plan☐ Site Plan☐ Land Division (Subdivision, etc.)☐ Other:**Development Type:**☐ Residential: Units

Acres

☐ Office: Sq.ft.

Acres

Employees

☒ Transportation: Type Bridge Replacement☐ Commercial: Sq.ft.

Acres

Employees

☐ Mining: Mineral☐ Industrial: Sq.ft.

Acres

Employees

☐ Power: Type MW☐ Educational:☐ Waste Treatment: Type MGD☐ Recreational:☐ Hazardous Waste: Type☐ Water Facilities: Type

MGD

☐ Other:**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:**

Land use adjacent to the project area is primarily agricultural and is designated as Valley Floor Agricultural.

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

(see attached project description)

Reviewing Agencies Checklist

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

☒ Air Resources Board	☐ Office of Historic Preservation
☐ Boating & Waterways, Department of	☐ Office of Public School Construction
☐ California Emergency Management Agency	☐ Parks & Recreation, Department of
☒ California Highway Patrol	☐ Pesticide Regulation, Department of
☒ Caltrans District # 2	☐ Public Utilities Commission
☐ Caltrans Division of Aeronautics	☒ Regional WQCB # 5
☐ Caltrans Planning	☐ Resources Agency
☐ Central Valley Flood Protection Board	☐ Resources Recycling and Recovery, Department of
☐ Coachella Valley Mtns. Conservancy	☐ S.F. Bay Conservation & Development Comm.
☐ Coastal Commission	☐ San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
☐ Colorado River Board	☐ San Joaquin River Conservancy
☐ Conservation, Department of	☐ Santa Monica Mtns. Conservancy
☐ Corrections, Department of	☐ State Lands Commission
☐ Delta Protection Commission	☐ SWRCB: Clean Water Grants
☐ Education, Department of	☐ SWRCB: Water Quality
☐ Energy Commission	☐ SWRCB: Water Rights
☒ Fish & Game Region # 1	☐ Tahoe Regional Planning Agency
☐ Food & Agriculture, Department of	☒ Toxic Substances Control, Department of
☒ Forestry and Fire Protection, Department of	☐ Water Resources, Department of
☐ General Services, Department of	
☐ Health Services, Department of	Other: _____
☐ Housing & Community Development	Other: _____
☒ Native American Heritage Commission	

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

Starting Date March 24, 2020 Ending Date April 24, 2020

Lead Agency (Complete if applicable):

Consulting Firm: _____	Applicant: <u>California Department of Transportation</u>
Address: _____	Address: <u>1657 Riverside Drive</u>
City/State/Zip: _____	City/State/Zip: <u>96001</u>
Contact: _____	Phone: <u>(530) 225-0311</u>
Phone: _____	

Signature of Lead Agency Representative:  Date: March 23, 2020

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

Purpose and Need

The California Department of Transportation (Caltrans), using state and federal funds, proposes to replace the Champlin Slough Bridge (08-0006) on SR 99 in Tehama County at PM 9.1 (the project limits extend from PM 9.0 to 9.3). The purpose of the project is to remediate ongoing scour issues so that the structure meets current highway design standards and allows for the safe passage of vehicles, pedestrians, and goods along the SR 99 corridor. The project is needed because the Champlin Slough bridge is a modified 100-year-old structure that has ongoing scour. If not addressed, the scour critical issues will affect the structural integrity of the bridge and ultimately the safety of the traveling public.

Project Description

The proposed work includes replacing the existing 64-foot-long by 42-foot-wide three-span bridge over Champlin Slough with an approximately 85-foot-long by 42-foot-wide precast clear-span bridge. Other work would include reconstructing the roadway approaches to match the new bridge profile, placing new Midwest Guardrail System guard railing along both approaches to the new bridge, placing rock slope protection (RSP) at the bridge abutments, and striping the roadway. These improvements would bring the bridge to current design standards and would construct standard transitions to and from the new bridge.

Construction Access

Construction access would be provided along the east side of the roadway by grading the soil to allow construction equipment to access under the bridge and to construct a temporary ± 20 -foot-wide crossing over Champlin Slough just upstream of the existing bridge. In-channel work areas would be dewatered and K-railing would be placed into the channel to divert water around the in-channel work areas. Steel plates would be placed on top of K-railing to facilitate equipment and material movement across the slough during construction. The water diversion and temporary crossing would be removed after construction is completed.

Removal of Existing Bridge

Removal of the existing bridge would begin at one abutment and continue across the channel to the other abutment. A backhoe- or excavator-mounted breaker would be used to remove the deck, followed by removal of girders, columns, piers, and footings (each footing is approximately 45 feet long and 6 feet wide). The cut-off depth for removal of the bridge columns and piers would be specified in the final structure design and specifications. The abutments of the existing bridge would be removed as the last step in the removal process. In case of foundation disturbance, the existing material would be restored to a condition at least equal to an undisturbed condition.

Construction of New Bridge

The new bridge would be approximately 85 feet long, 42 feet wide, and would require no in-water piers. The proposed bridge would be built using precast box beam girders to accelerate construction and reduce the duration of the road closure. The new abutments would be placed approximately 10 lineal feet behind the existing abutments. The new piles at the abutments would be H-piles driven into the ground at the new abutments. Installation of the new bridge would consist of setting precast post-tensioned box-girders on the new abutments and then casting a deck overlay. The girders would be placed using a crane set upon the existing roadway, which would require timber or steel buildups on the roadway to distribute the load on the outriggers to an allowable bearing pressure. Once the girders are set in place, the bridge barriers would be constructed and the deck overlay would be formed and poured. All formwork or work platforms would be attached to the girders. A telescoping forklift or small crane would be

used to place and remove the materials. A catchment system would be utilized to prevent debris from falling into Champlin Slough during construction. Upon construction of the new bridge, approximately 250 cubic yards of RSP would be placed at the new abutments to reduce risk of scour.

Ground Disturbance

The proposed work includes grading and excavation, which would disturb approximately 0.35 acres of ground surface. Construction of the temporary construction access corridor would require the excavation of approximately 250 cubic yards of soil, which would be used onsite to build access ramps to the temporary stream crossing and to build an access ramp under the bridge. Removal of the existing bridge foundation would require the excavation of approximately 300 cubic yards of concrete and approximately 200 cubic yards of RSP around the abutments. Approximately 155 cubic yards of clean rock or other approved channel bed material would be used to backfill the holes in the streambed created by removal of the two existing piers/footings.

Road Closures/Detours

Minor construction work would be completed using one-way reversing traffic control (T-13) and shoulder closures for short durations, as needed. Other work would require complete closure of SR 99 between South Avenue and Los Molinos for approximately 7 weeks. Northbound and southbound traffic on SR 99 would be detoured onto Interstate 5 to bypass the work area while SR 99 is temporarily closed. Traffic would move between SR 99 and Interstate 5 using South Avenue. SR 99 would be closed to the traveling public north of the project area at Sherwood Avenue and south of the project area at South Avenue (only local residents would be allowed past the closures to access their homes).

Schedule

The proposed work is scheduled to begin in 2022 and would require one construction season to complete.

Disposal/Borrow Sites

No borrow or disposal sites would be utilized. Excess construction debris would become property of the contractor.

Staging/Stockpiling

Staging/stockpiling of materials and equipment would occur along SR 99 within the project limits.

Right-of-Way

Most of the proposed work would be conducted within Caltrans' existing right-of-way. A temporary construction easement would be required for work occurring outside Caltrans' right-of-way on property owned by the railroad (Southern Transportation Company). No right-of-way would be permanently acquired. No work would occur on federal lands.

Utilities

Various utilities are present within the project area. These include overhead electrical lines mounted on utility poles, underground telephone cables, and underground fiber optic cables. The proposed work would require the temporary relocation of underground telephone cables located east of the existing bridge.