

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: October 21-22, 2015

Reference No: 2.3b.
Action Item

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Timothy Craggs, Chief
Division of Design

Subject: NEW PUBLIC ROAD CONNECTION , 04-SOL-680 PM R11.1
RESOLUTION S-760

RECOMMENDATION:

The Department of Transportation (Department) recommends the California Transportation Commission (Commission) approve the attached Resolution S-760 and map authorizing a new public road connection at Red Top Road to Interstate 680 (I-680) in the county of Alameda.

ISSUE:

The Solano Transportation Authority has requested approval of a new public road connection for I-680. Pursuant to Section 100.2 of the Streets and Highways Code, no local road shall be connected with any freeway until the Commission adopts a resolution consenting thereto. It is recommended that the Commission approve the resolution in accordance with the recommendation of the Chief Engineer. The resolution grants approval of a new public road connection on the west side of I-680 at Red Top Road, Post Mile R11.1.

Recommended by: _____
KARLA SUTLIFF
Chief Engineer

BACKGROUND

I-680 was originally adopted as a Freeway within Solano County in 1957. I-680 was completed between Benicia and Cordelia in 1966. The Interstate 80/Interstate 680/State Route 12 Interchange Project Report (04-0A5300) proposes to realign I-680 where it intersects I-80 and to construct a new interchange at I-680 and Red Top Road. The new I-680 alignment will tie into I-80 west of the current location at the intersection of SR12 and I-80.

A new interchange is proposed to be constructed at I-680/Red Top Road. The two ramps proposed include an entrance ramp from eastbound Red Top Road to southbound I-680 and an exit ramp with a structure over I-680 from northbound I-680 to westbound Red Top Road.

The I-80/I-680/SR12 interchange is a confluence of interregional significance as it connects the San Francisco Bay Area and the Napa Valley with the Central Valley. Not only is this interchange at the convergence of several key interregional routes, but it also supports a developing Solano County community served by a series of local roadways that are interwoven with the interregional routes. The growth in interregional travel, combined with the local area growth, has resulted in extreme congestion, delays, substantial traffic diversion, and unacceptable operations throughout the area. It is vital that improvements be made to both local and interregional systems in concert to ensure safe and efficient travel for all users. The proposed project improvements are designed to reduce congestion, accommodate anticipated increases in traffic, and address safety concerns, while still preserving the existing network of interchanges to serve local land uses.

The proposed project is intended to address numerous existing and future traffic-related problems while minimizing environmental impacts to sensitive habitat in the vicinity of the project, including the Suisun Marsh. Specifically, the purpose of the proposed project is to:

- Reduce congestion through the I-80/I-680/SR12 interchange complex.
- Accommodate current and future truck volumes on highways.
- Facilitate adequate inspection and enforcement at truck scales.
- Improve safety conditions.
- Encourage the use of high-occupancy vehicle lanes and ridesharing.

The Metropolitan Transportation Commission's (MTC) 2009 Regional Transportation Plan (RTP) identifies I-80 as a priority corridor and a major gateway route. It identified the following projects which include components of the I-80/I-680/SR12 Interchange Project:

- Improve I-80/I-680/SR12 Interchange, including connecting I-680 northbound to SR12 westbound (Jameson Canyon), adding connectors and reconstructing local interchanges.
- Provide auxiliary lanes on I-80 in eastbound and westbound directions from I-680 to Air Base Parkway (includes a new eastbound mixed-flow lane from SR12 east to Air Base Parkway).

MTC has listed the project in its RTP as project number 230326 (Improve I-80/I-680/SR12 Interchange), including connecting I-680 northbound to SR12 west and adding connectors and reconstructing local interchanges.

The I-80/I-680/SR12 Interchange project is included as a series of mid-term and long-term projects listed in the Solano Transportation Authority's (STA) I-80/I-680/I-780 Major Investment Study/Corridor Study dated July 14, 2004.

STA and the Solano Highways Partnership have recently drafted a Solano Highways Operations Plan (July 2009) to update the operational improvement assessments. The prioritized improvements are consistent with the proposed interchange project. The Solano Highways Partnership includes Caltrans, STA, MTC, Sacramento Area Council of Governments, Benicia, Vacaville, Vallejo, Fairfield, Dixon and Solano County.

The project will be funded from bridge tolls, TCRP, STIP, federal, local and Proposition 1B funding.

The Project Report cost estimate is \$2.2 billion for the full project and \$664 million for a fundable Phase 1. The full project consists of 5.9 miles of I-80, 3.1 miles of I-680, 1.1 miles of SR12 West and 3.0 miles of SR12 East. Construction of the fundable first phase (Phase 1) is proposed to take place in a series of construction packages. Phase 1 would improve the connections from westbound I-80 to I-680 and SR12 (West); directly connect northbound I-680 and SR12 (West); connect the I-80/Red Top Road interchange with Business Center Drive; and construct or improve interchanges at SR12 (West)/Red Top Road, I-80/Red Top Road, I-80/Green Valley Road, and I-680/Red Top Road. A third eastbound lane would be added to SR12 (East) from the Chadbourne Road on ramp to the Webster Street off ramp.

A project report was prepared by the Department and approved on October 25, 2012. A Final Environmental Impact Report was prepared pursuant to the California Environmental Quality Act (CEQA) and the CEQA Guidelines. The Environmental Document was approved by the CTC on January 8, 2013.

A Supplemental Project Report has been prepared by the Department for the proposed interchange at Red Top Road. It is anticipated that the Supplemental Project Report will be signed in early October 2015 prior to the CTC meeting. A NEPA/CEQA Re-Validation of the environmental document has been prepared by the Department. A concurrent Commission's action to approve the NEPA/CEQA Re-Validation for the new public road connection is in this month's agenda.

Attachments:
Resolution S-760
Location Map

**CALIFORNIA TRANSPORTATION COMMISSION
Resolution Authorizing a New Public Road Connection**

4-Sol-680 PM R11.1

Resolution S-760

WHEREAS, the Solano Transportation Authority and the California Department of Transportation (Department) jointly request approval of a new public road connection on Interstate 680 for Red Top Road; and

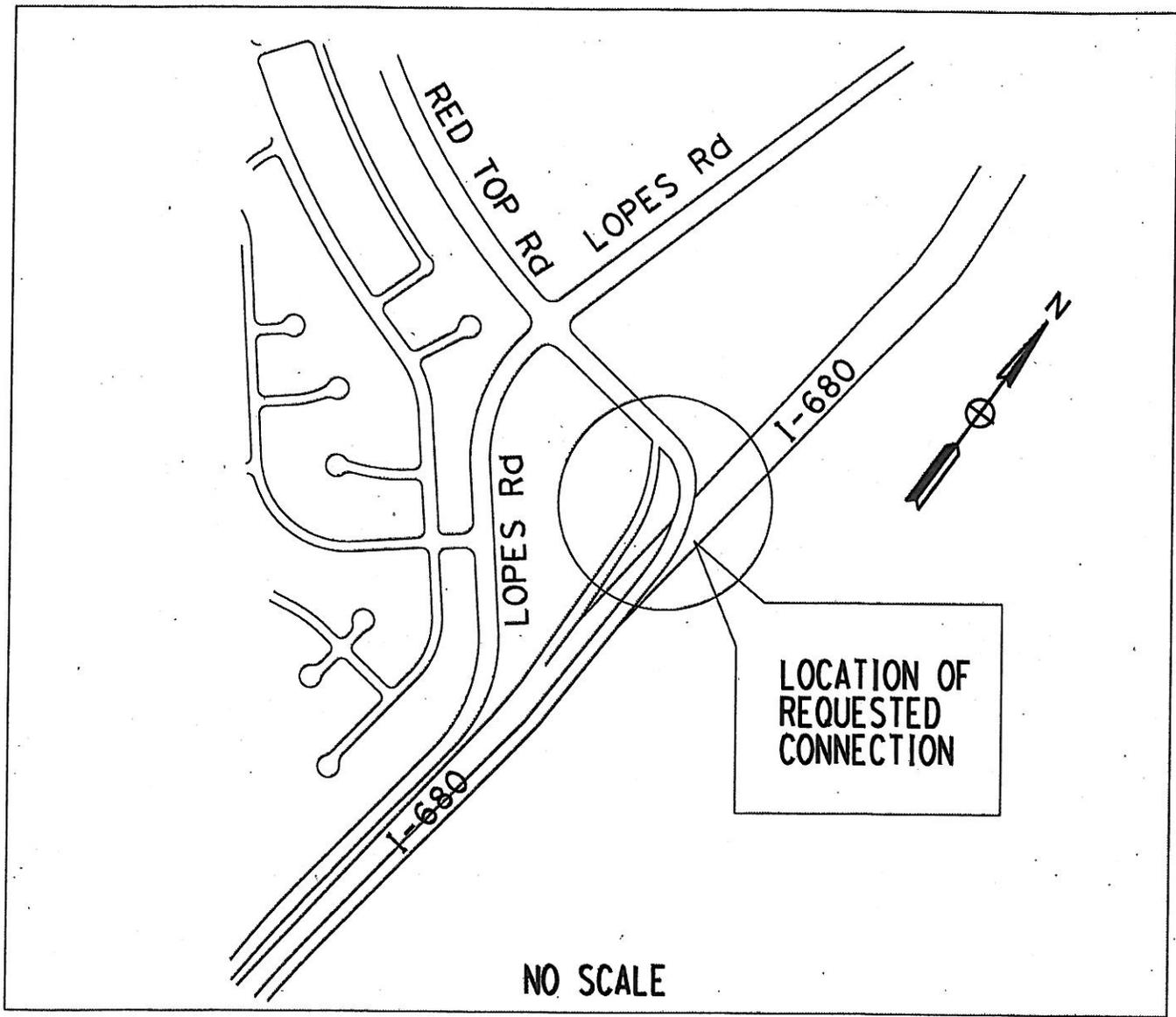
WHEREAS, the Department has completed a Final Environmental Impact Report and an Addendum pursuant to the California Environmental Quality Act (CEQA) and the State CEQA Guidelines for the project; and

WHEREAS, the Department approved a Project Report recommending the new public road connection on October 25, 2012. The Department approved a Supplemental Project Report on October 5, 2015.

NOW, THEREFORE, BE IT RESOLVED by the California Transportation Commission that pursuant to the authority vested in it by law, this Commission does hereby authorize a new public road connection on Interstate 680 at Red Top Road at PM R11.1, in Solano County.



NEW PUBLIC ROAD CONNECTION 04-SOLANO-680



LOCATION MAP