

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: December 11-12, 2013

From: STEVEN KECK
Acting Chief Financial Officer

Reference No: 2.3a.
Action Item

Prepared by: Timothy Craggs
Chief
Division of Design

Subject: ROUTE ADOPTION – STATE HIGHWAY, 04-SOL-680 PM R11.2/13.1
RESOLUTION HRA 13-03

RECOMMENDATION:

Submitted for transmittal to the California Transportation Commission (Commission) are Highway Route Adoption Resolution HRA 13-03 and a route location map for State Highway Route (SR) 680, also known as Interstate 680. The California Department of Transportation (Department) recommends that the Commission approve the resolution and the route location map in accordance with the recommendation of the Chief Engineer. The resolution grants approval of State highway route adoption of I-680 in Solano County from Post Mile (PM) R11.2 to R13.1.

ISSUE:

This Route Adoption is recommended to facilitate the Routes 80/680/12 Interchange Project. A Project Report was approved on October 25, 2012. The Department prepared an Environmental Impact Report, in accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines, which was signed on October 12, 2012.

Recommended by: _____
KARLA SUTLIFF
Chief Engineer

BACKGROUND

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

The I-80/I-680/SR12 interchange is located in Solano County primarily within the City of Fairfield. The existing I-80/I-680/SR12 interchange complex is the result of the connection of three separate highways, I-80, western and eastern segments of SR 12, and I-680. Interstate 680 begins at Interstate 80 between the two interchange points of SR12 and extends south.

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 and serving 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 MIS/Corridor Study dated July 14, 2004.

STA and the Solano Highways Partnership have recently drafted a Solano Highways Operations Plan (July 2009) which updates these priorities. 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, Traffic Congestion Relief Program, State Transportation Improvement Program, 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 Commission on January 8, 2013. A New Public Road Connection book item will be submitted at the January 2014 meeting for Commission approval. After that the Department will be approving freeway agreements with the City of Fairfield and Solano County for each state route.

Attachments:
Resolution HRA 13-03
Vicinity Map
Route Adoption Map

CALIFORNIA TRANSPORTATION COMMISSION
Highway Route Adoption Resolution
04-Sol-680 PM R11.2/13.1

Resolution HRA 13-03

WHEREAS, the Solano Transportation Authority and the California Department of Transportation (Department) request approval of this Route Adoption as a Freeway; and

WHEREAS, a Final Environmental Impact Report in accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines was signed on October 12, 2012; and

WHEREAS, the Project Report recommending the route adoption was approved on October 25, 2012.

NOW, THEREFORE, BE IT RESOLVED by the California Transportation Commission (Commission) that pursuant to the authority vested in it by law, this Commission does hereby select, adopt, and determine the location of that segment of State Highway Route 680 from Red Top Road to Route 80, in the county of Solano, and officially designate it as 04-Sol-680, a Freeway, as said location is shown on the Route Adoption map submitted by Timmothy Craggs, Chief Design Engineer; and

BE IT FURTHER RESOLVED that this Commission has found and determined and hereby declares that such location of said State highway is for the best interest of the State.

I hereby certify that this map was prepared pursuant to and under my direction and is a true and correct map of a section of proposed State Highway Route 680.

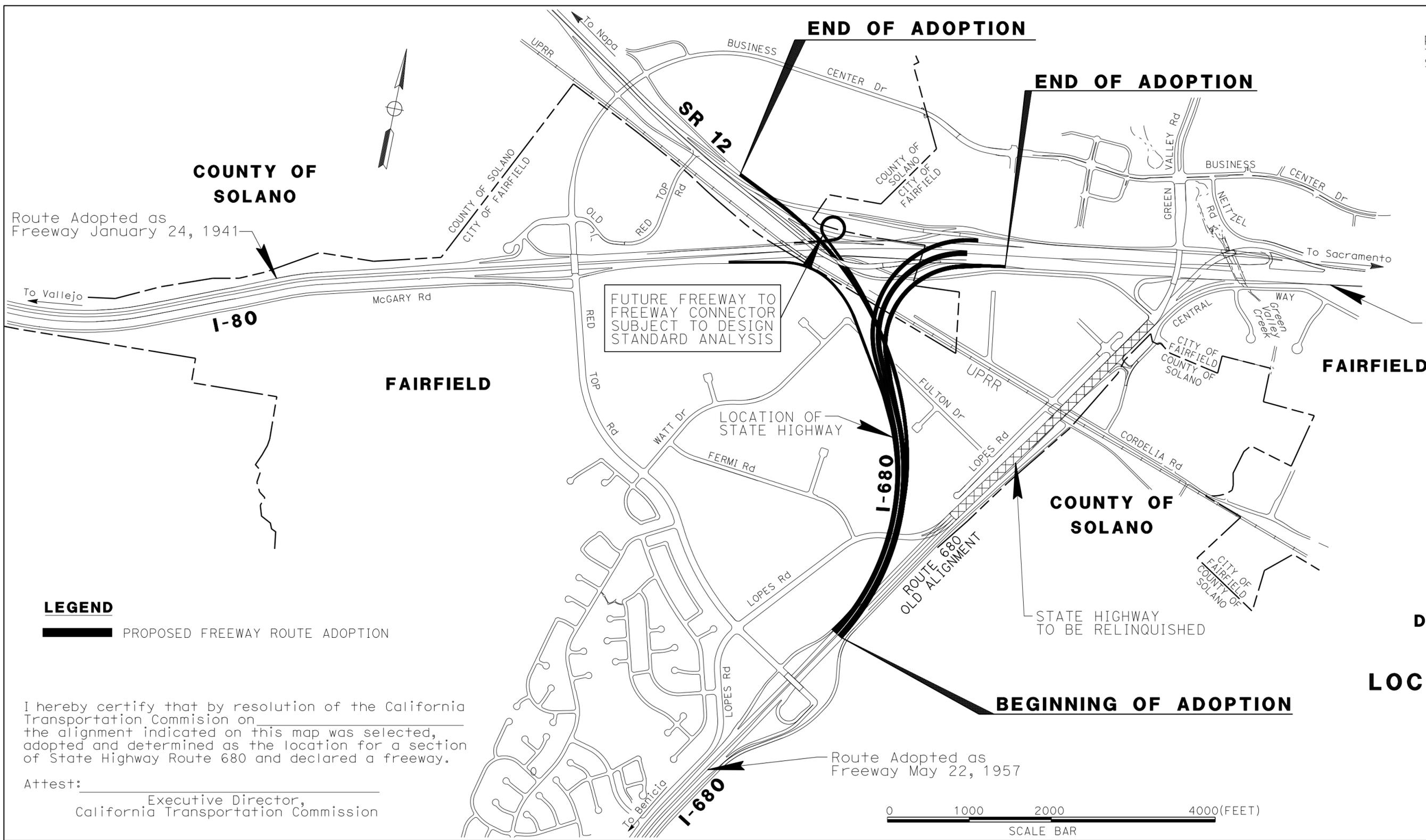
Submitted: _____

Chief Design Engineer
Civil Engineer License No. _____

END OF ADOPTION

END OF ADOPTION

BEGINNING OF ADOPTION



COUNTY OF SOLANO

FAIRFIELD

FAIRFIELD

COUNTY OF SOLANO

LEGEND

█ PROPOSED FREEWAY ROUTE ADOPTION

I hereby certify that by resolution of the California Transportation Commission on _____ the alignment indicated on this map was selected, adopted and determined as the location for a section of State Highway Route 680 and declared a freeway.

Attest: _____
Executive Director,
California Transportation Commission

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
MAP SHOWING**

**LOCATION OF STATE HIGHWAY
IN SOLANO COUNTY**

**FROM RED TOP ROAD TO ROUTE 80
PM R11.2/13.1**

04-SOLANO-680

FREEWAY

