

REPORT TO COUNCIL

City of Sacramento

915 I Street, Sacramento, CA 95814-2604
www.CityofSacramento.org



Consent
March 18, 2008

Honorable Mayor and
Members of the City Council

Title: Approval to Submit Proposition 1B Traffic Light Synchronization Program (TLSP) Application

Locations/Council Districts: West El Camino Avenue: Orchard Lane to American Avenue, District 1; Folsom Boulevard: Alhambra Boulevard to 65th Street, Districts 3 and 6; 65th Street/65th Street Expressway: Elvas Avenue to Elder Creek Road, Districts 3 and 6; Fruitridge Road: Martin Luther King Jr. Boulevard to Florin Perkins Road, Districts 5 and 6; Power Inn Road: Fruitridge Road to Elder Creek Road, District 6; Florin Road: Greenhaven Drive to Franklin Boulevard, Districts 4, 7, 5, 8; Pocket Road/Meadowview Road/Mack Road: Greenhaven Drive to Stockton Boulevard, Districts 4, 7, 8. Location Maps – Exhibits A-G of Resolution.

Recommendation: Adopt a **Resolution** approving the submission of an application for Proposition 1B Traffic Light Synchronization Program (TLSP) funding in the amount of \$3,000,000.

Contact: Theresa Arnold, Special Projects Engineer, 808-5514; Tim Mar, Supervising Engineer, 808-7531

Presenters: None

Department: Department of Transportation

Division: Engineering Services

Organization No: 3435

Description/Analysis

Issue: Caltrans has issued a call for projects for the state Traffic Light Synchronization Program (TLSP). Funds are available for traffic light synchronization projects and other technology-based improvements to improve safety, operations and the effective capacity of local streets and roads. In developing the proposed program of projects, Caltrans will give priority to projects that result in an effective and sustainable integrated local or regional transportation system. Caltrans will evaluate project nominations on

the basis of regional mobility and safety benefits, especially in highly congested corridors, in terms of congestion reduction benefits or time savings and estimated reduction in deaths and injuries. There is \$100 million available statewide for this program. Staff's recommendation is to submit an application for approximately \$3 million.

This project will upgrade the existing traffic signal controllers, connect the corridors to the Traffic Operations Center, update the corridor timing plans, install emergency vehicle preemption devices at all signal locations, and install Intelligent Transportation Systems (ITS) elements such as traffic video cameras and count stations at key intersections along the corridors.

Policy Considerations: Leveraging of local funds with state or federal funds is consistent with Council policy on the use of local funds. This project is consistent with the City's Strategic Plan goal to promote public safety, improve the transportation system and support economic vitality by investing in infrastructure development.

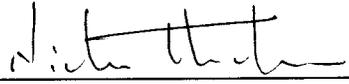
Environmental Considerations: This action is not considered a project as defined by Section 15378 of the California Environmental Quality Act guidelines.

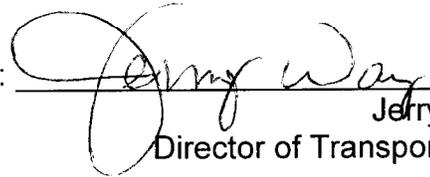
Rationale for Recommendation: The City's arterial corridors were evaluated using the Average Daily Traffic (ADT) vehicle volume, number of lanes, length of corridor and number of signals. The volume per lane and the signal density per mile were calculated to determine which corridors were the most heavily traveled and thus, provide the most significant benefit. Corridors which can provide multi-jurisdictional connectivity were considered high candidates along with those that can be completed in a timely manner.

The corridors chosen were selected based on the ease of implementation and their ability to connect to the Traffic Operations Center. The corridors correspond to the Fire Department's list of emergency response routes. The signal timing for these corridors has not been updated for over 15 years. Lastly, these corridors need a minimal amount of in-ground infrastructure work, providing the least amount of cost for a high amount of benefit.

Financial Considerations: If the City is successful in getting the approximately \$3 million state grant, the funds will be combined with federal and local funds in the Intelligent Transportation System Expansion Project (T15088000). Local match funds are reserved in State and Federal Grant Match (T15007200).

Emerging Small Business Development (ESBD): None, since no goods or services are being procured with this action.

Respectfully Submitted by: 
Nicholas Theocharides
Engineering Services Manager

Approved by: 
Jerry Way
Director of Transportation

Recommendation Approved:

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RAY KERRIDGE
City Manager

Table of Contents:

	Report	Pg	1
Attachments			
1	Background	Pg	4
2	Resolution	Pg	6
	Exhibit A – West El Camino Avenue	Pg	7
	Exhibit B – Folsom Boulevard	Pg	8
	Exhibit C – 65 th Street/65 th Street Expressway	Pg	9
	Exhibit D – Fruitridge Road	Pg	10
	Exhibit E – Power Inn Road	Pg	11
	Exhibit F – Florin Road	Pg	12
	Exhibit G – Pocket Road/Meadowview Road/Mack Road	Pg	13

Attachment 1

Background Information:

Caltrans has issued a call for projects for the state Traffic Light Synchronization Program (TLSP). Funds are available for traffic light synchronization projects and other technology-based improvements to improve safety, operations and the effective capacity of local streets and roads. In developing the proposed program of projects, Caltrans will give priority to projects that result in an effective and sustainable integrated local or regional transportation system. Caltrans will evaluate project nominations on the basis of regional mobility and safety benefits, especially in highly congested corridors, in terms of congestion reduction benefits or time savings and estimated reduction in deaths and injuries. The corridors selected are as follows:

- **Florin Road from Greenhaven Drive to Franklin Boulevard (County Line):** Florin Road currently has over 37,000 vehicles per day with a posted speed limit of 40 miles per hour. There are 13 signals along this segment and is listed as a priority corridor for the Fire Department. Florin Road also has the potential to provide future connectivity with the County's signals east of Franklin Boulevard.
- **Folsom Boulevard from Alhambra Boulevard to 65th Street:** Folsom Boulevard currently has over 19,000 vehicles per day with a posted speed limit of 35 miles per hour. There are 11 signals along this segment and is listed as a priority corridor for the Fire Department. This project will also connect to the existing coordinated signals east of Howe Avenue.
- **Fruitridge Road from Martin Luther King Jr. Boulevard to Florin Perkins Road:** Fruitridge Road currently has over 33,000 vehicles per day with posted speed limits varying between 40 and 45 miles per hour. Portions of Fruitridge Road are within the County of Sacramento, but the signals are maintained by the City. There are 13 signals along this segment and is listed as a priority corridor for the Fire Department.
- **Power Inn Road from Fruitridge Road to Elder Creek Road:** Power Inn Road currently carries over 23,000 vehicles per day with a posted speed limit of 45 miles per hour. There are 3 signals along this segment and will connect to the existing coordinated signals north of 14th Avenue.
- **Pocket Road/Meadowview Road/Mack Road from Greenhaven Drive to Stockton Boulevard (County Line):** Pocket Road/Meadowview Road/Mack Road currently carries over 30,000 vehicles per day with posted speed limits varying between 40 and 45 miles per hour. There are 20 signals along this segment and will provide future connectivity with the County signals east of Stockton Boulevard.

- **West El Camino Avenue from Orchard Lane to American Avenue:** West El Camino Avenue currently has over 28,000 vehicles per day with posted speed limits varying between 35 and 45 miles per hour. There are 11 signals along this segment and is listed as a priority corridor for the Fire Department.
- **65th Street/65th Street Expressway from Elvas Avenue to Elder Creek Road:** 65th Street/65th Street Expressway currently has over 19,000 vehicles per day with posted speed limits varying between 35 and 45 miles per hour. There are 13 signals along this segment and could provide future connectivity with the County signal at Stockton Boulevard.

The corridors listed have infrastructure in place which will allow staff to create coordinated timing plans that could be monitored and modified from the Traffic Operations Center. These seven corridors represent the best locations to compete for TLSP grant funding based on its guidelines and established criteria.

Projects are due to Caltrans on March 28, 2008. Staff anticipates that the scope and estimate of the project may change as they move through the application process.

Attachment 2

RESOLUTION NO.

Adopted by the Sacramento City Council

**APPROVAL TO SUBMIT TRAFFIC LIGHT SYNCHRONIZATION
PROGRAM (TLSP) APPLICATION**

BACKGROUND

- A. Caltrans has issued a call for projects for the state TLSP. Funds are available for traffic light synchronization projects and other technology-based improvements to improve safety, operations and the effective capacity of local streets and roads. There is \$100 million available statewide for this program. Staff recommendation is to submit an application for approximately \$3 million.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL
RESOLVES AS FOLLOWS:**

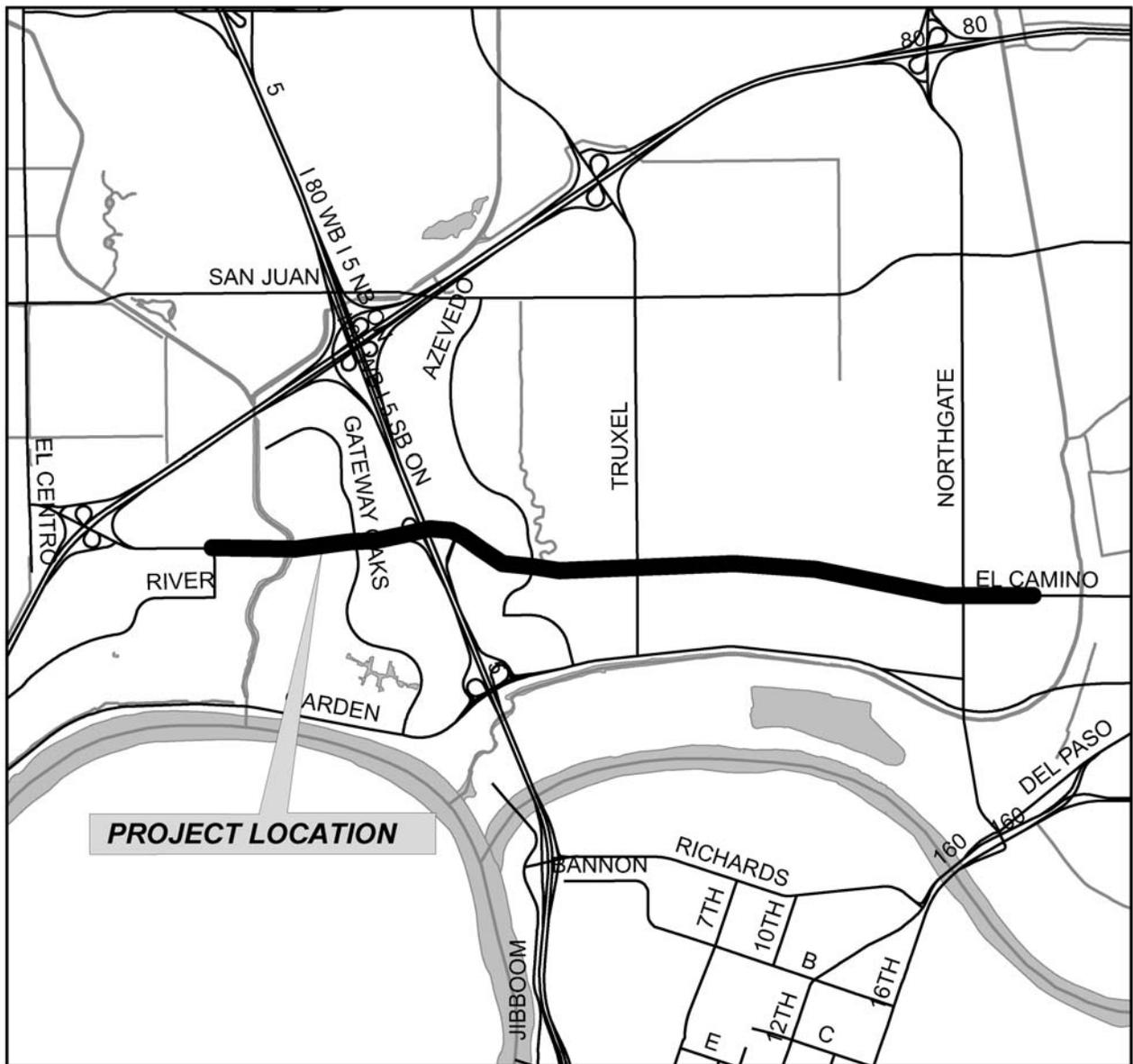
- Section 1. The Director of Transportation is authorized to submit an application for funding to the Traffic Light Synchronization Program (TLSP) for approximately \$3 million. As the project is still being scoped and estimated the exact amount of the grant request is subject to change.

Table of Contents:

- Exhibit A – Map of West El Camino Avenue
- Exhibit B – Map of Folsom Boulevard
- Exhibit C – Map of 65th Street/65th Street Expressway
- Exhibit D – Map of Fruitridge Road
- Exhibit E – Map of Power Inn Road
- Exhibit F – Map of Florin Road
- Exhibit G – Map of Pocket Road/Meadowview Road/Mack Road

EXHIBIT A

LOCATION MAP FOR
WEST EL CAMINO AVENUE
ORCHARD LANE TO AMERICAN AVENUE

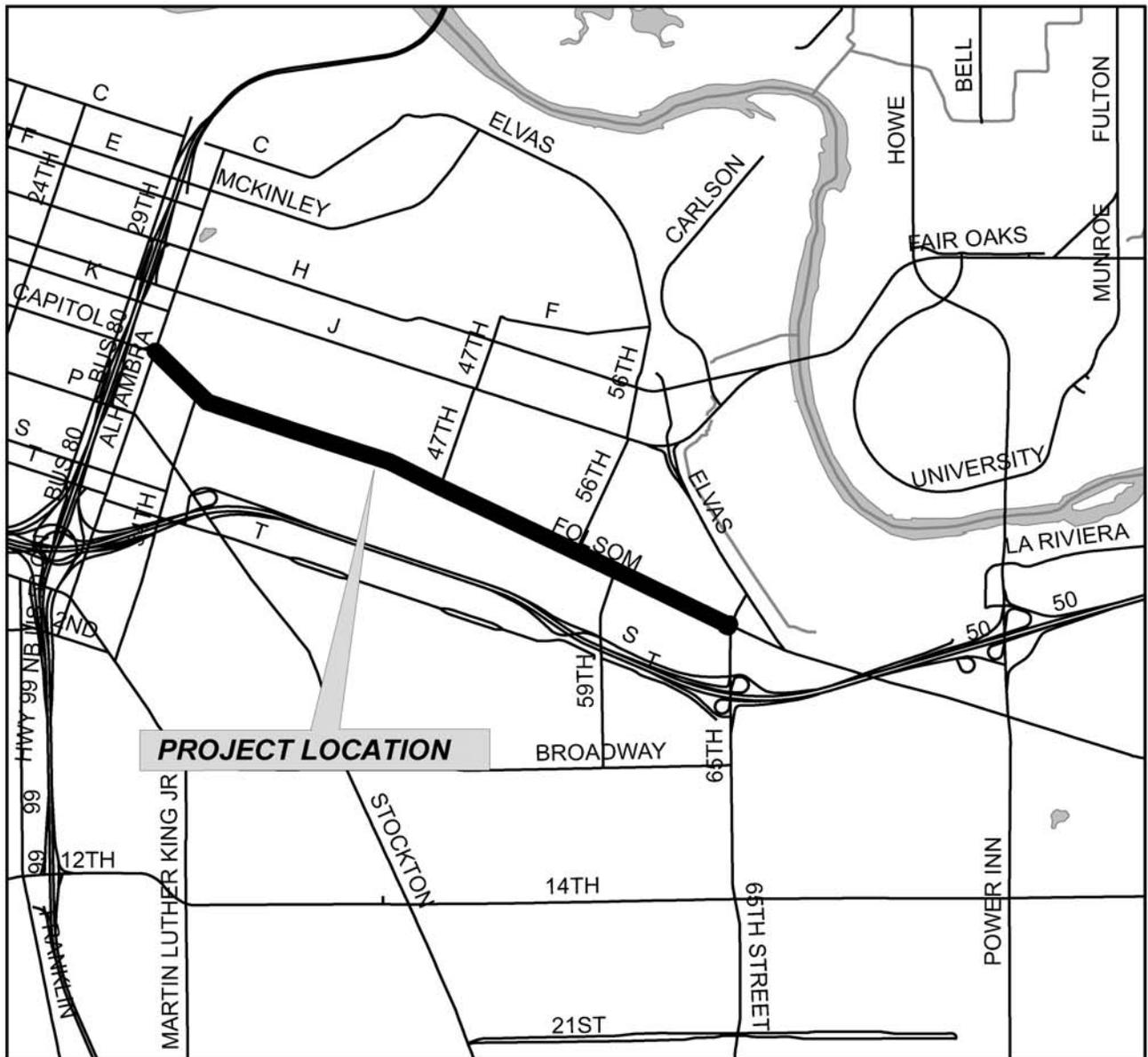


Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT B

LOCATION MAP FOR
FOLSOM BOULEVARD
ALHAMBRA BOULEVARD TO 65TH STREET

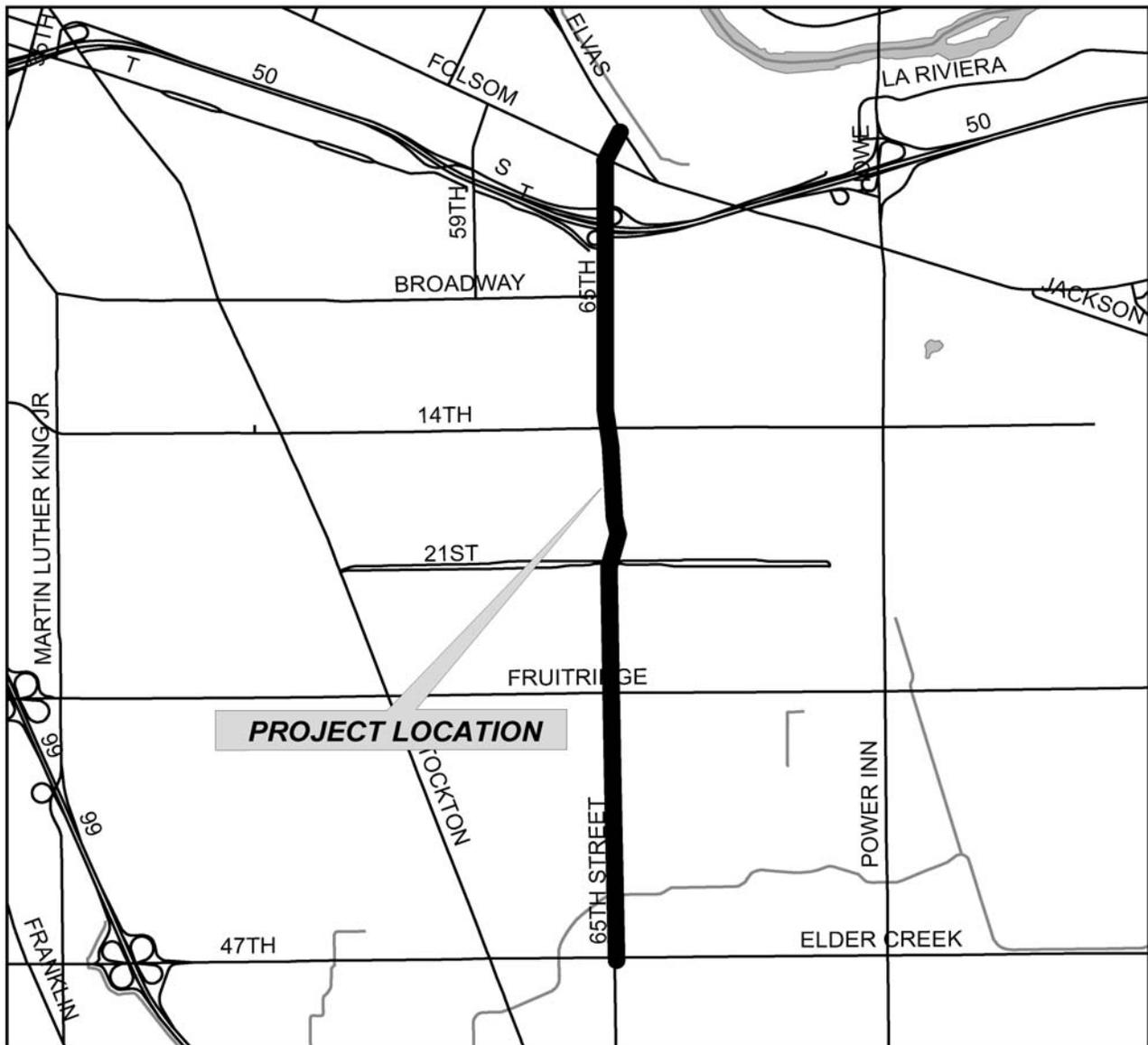


Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT C

LOCATION MAP FOR
65TH STREET/65TH STREET EXPRESSWAY
ELVAS AVENUE TO ELDER CREEK ROAD

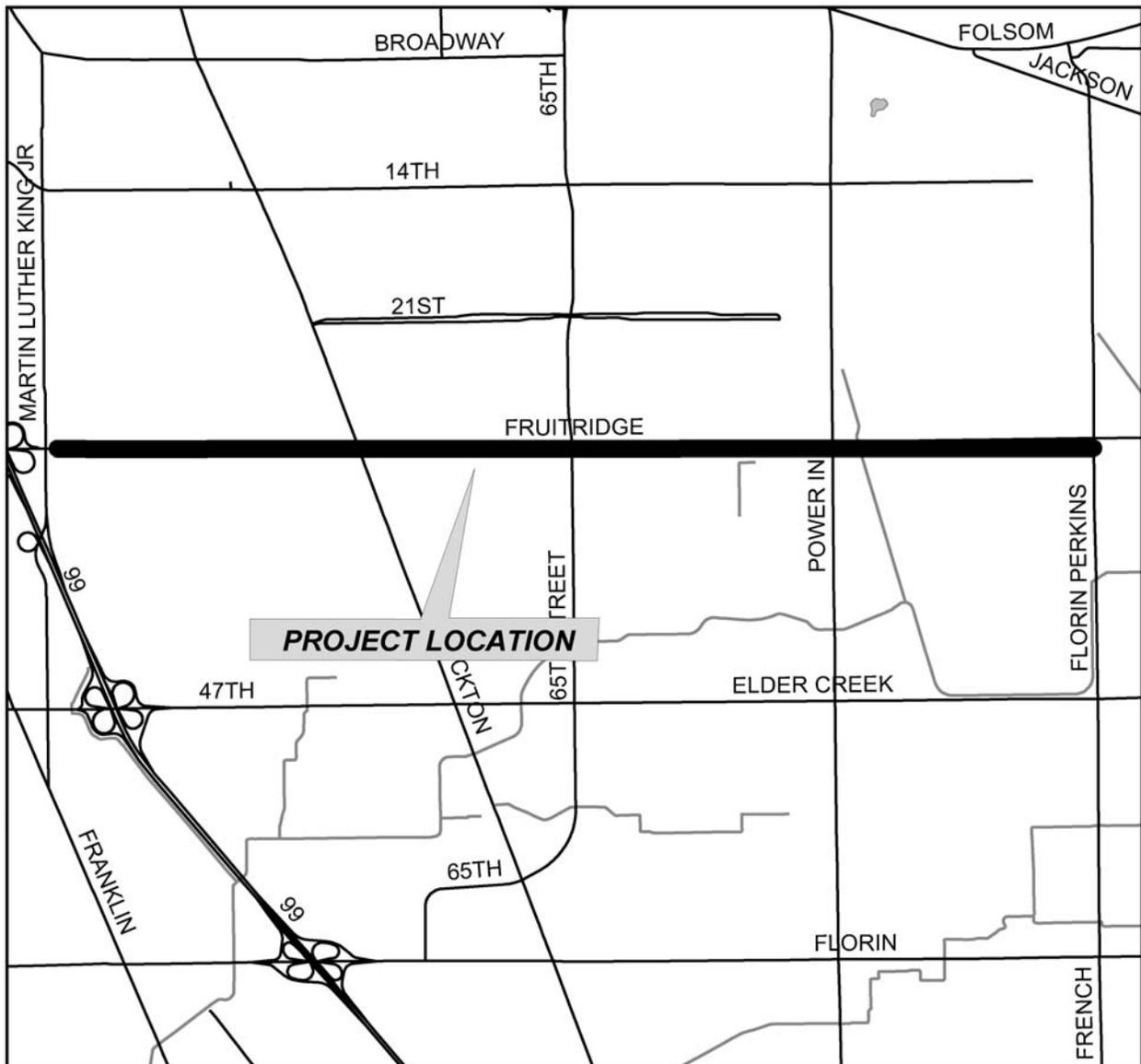


Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT D

LOCATION MAP FOR
FRUITRIDGE ROAD
MARTIN LUTHER KING Jr. BOULEVARD
TO FLORIN PERKINS ROAD

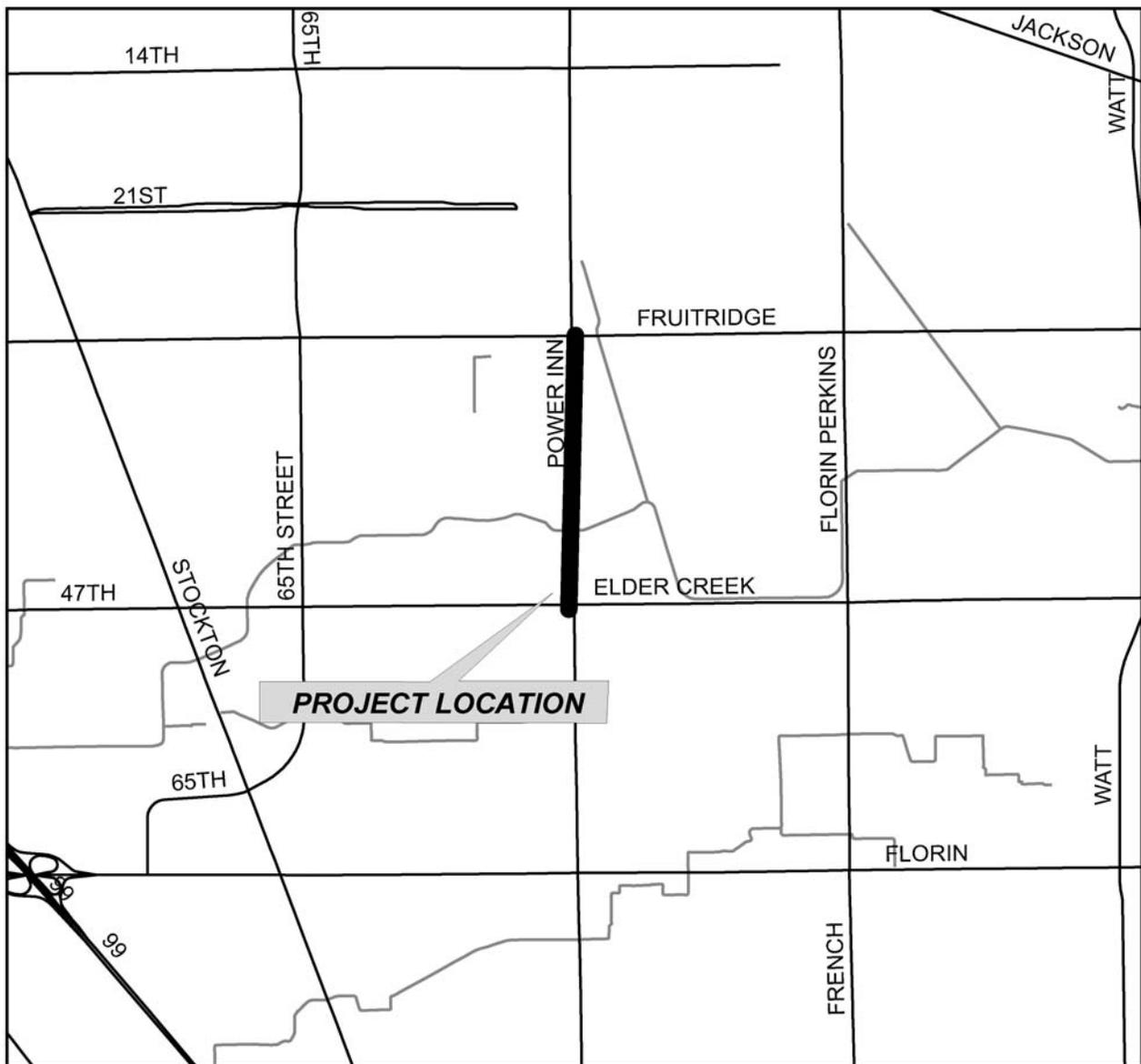


Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT E

LOCATION MAP FOR
POWER INN ROAD
FRUITRIDGE ROAD TO ELDER CREEK ROAD



Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT F

LOCATION MAP FOR
FLORIN ROAD
GREENHAVEN DRIVE TO FRANKLIN BOULEVARD

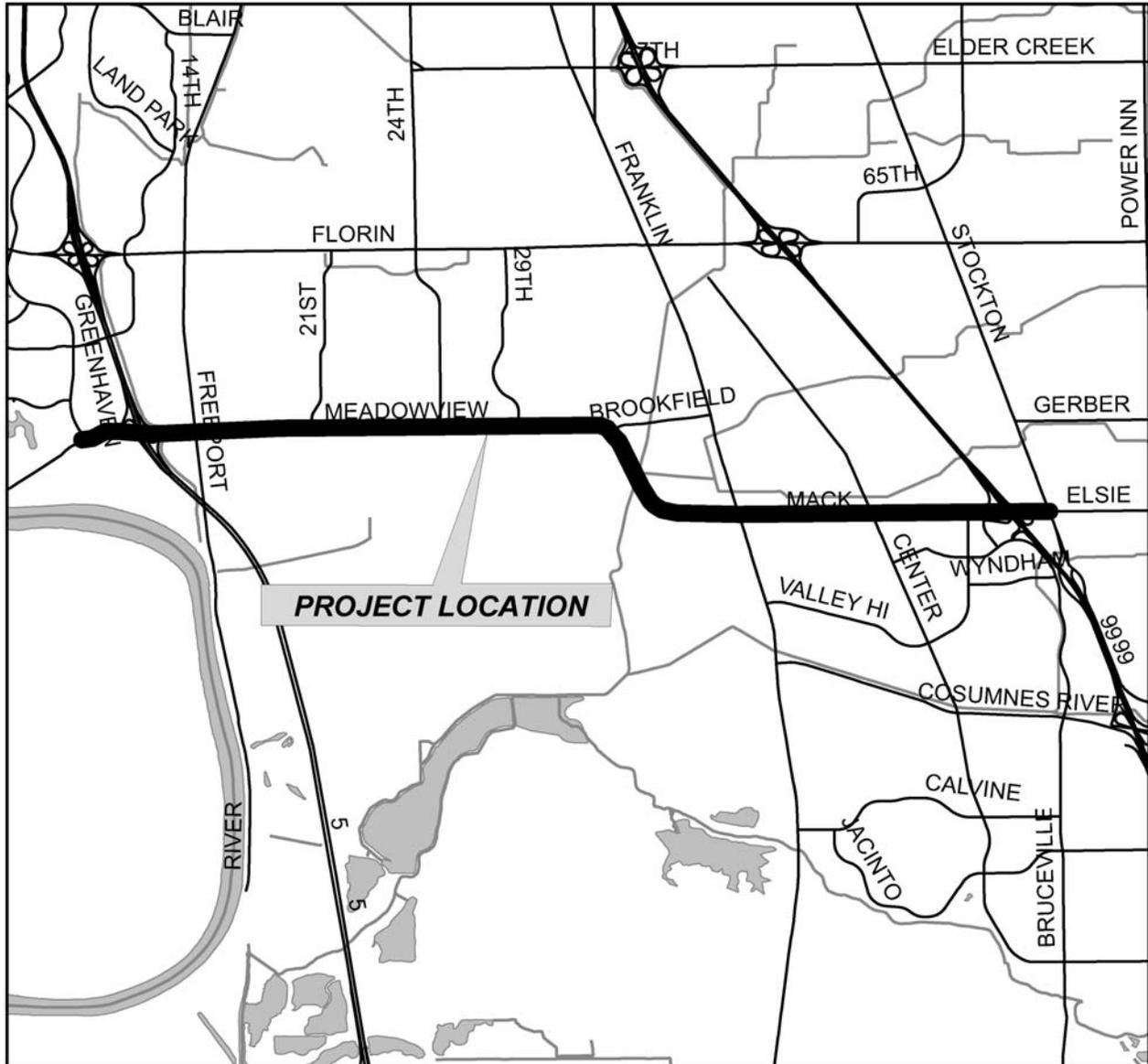


Map Contact: Hamid Khalessi
Date: February 11, 2008



EXHIBIT G

LOCATION MAP FOR
POCKET ROAD/MEADOWVIEW ROAD/MACK ROAD
GREENHAVEN DRIVE TO STOCKTON BOULEVARD



Map Contact: Hamid Khalessi
Date: February 11, 2008

