



REPORT TO COUNCIL

City of Sacramento

915 I Street, Sacramento, CA 95814-2671
www. CityofSacramento.org

9

CONSENT
April 11, 2006

Honorable Mayor and
Members of the City Council

Subject: Submit Grant Applications; Establish CIP's and Appropriate Funds for Bridge Rehabilitation and Replacement Projects and a Rail Safety Project.

Location/Council District:

Norwood Avenue Bridge over Arcade Creek (Council District 2)
Roseville Road Bridge over Arcade Creek (Council District 3)
56th Avenue Bridge over the South Sacramento Drain (Council District 4)
Power Inn Road at the UPRR crossing (Council District 6)

Recommendation:

Adopt a Resolution 1) authorizing staff to submit funding applications to Caltrans for bridge replacement projects, 2) establishing four Capital Improvement Projects (CIP) and 3) appropriating funds.

Contact: Ryan Moore, Associate Civil Engineer, 808-8279; Hector Barron, Supervising Engineer, 808-2269

Presenters: None

Department: Department of Transportation

Division: Engineering Services Division

Organization No: 3435

Summary:

Staff is proposing to apply to Caltrans for bridge rehabilitation funding for three bridges: Norwood Avenue over Arcade Creek, Roseville Road over Arcade Creek, and 56th Avenue over the South Sacramento Drain. Based on feedback from Caltrans, staff believes that it is very likely that Caltrans will provide Highway Bridge Program funds to these bridges and that the CIPs should be established and funds appropriated at this time.

Caltrans has notified staff that the City's Rail Safety Project at Power Inn Road at the UPRR crossing is receiving funds. Staff recommends establishing the CIP and appropriating funds for this project.

Committee/Commission Action:

None.

Background Information:

In recent decades, the primary financing mechanism for the replacement and rehabilitation of bridge structures in California has been the Federal Highway Administration's (FHWA) Highway Bridge Program (HBP). In California, the HBP is administered by Caltrans. HBP funds are available on an 88.53% federal contribution to 11.47% local match basis.

Staff is recommending that the City submit applications for three bridges to this program. The primary funding criteria for this program is inadequate structural sufficiency and/or functional obsolescence, as defined by Caltrans and the FHWA. Staff used the criteria as well as the Transportation Programming Guide – Bridge Section to select the projects for submittal.

The primary reasons for replacing the Norwood Avenue Bridge are the dilapidated condition of the deck, narrow geometry, and its poor hydraulic characteristics. The City has been notified by Caltrans that the foundations are scour critical, and must be repaired. The structure is currently ranked as 5th priority in the TPG "Bridge" section.

Roseville Road over Arcade Creek is currently ranked 2nd in the TPG. This bridge has a structurally deficient 68 year-old timber sub-structure, and is also geometrically deficient with a very narrow deck.

The 56th Avenue Bridge is proposed as a rehabilitation project, rather than a replacement. This bridge has a badly cracked deck that requires sealing and has no barrier rail. The bridge is currently ranked 14th in the TPG. It is nominated despite its low ranking due to the fact that it is a safety issue that can be fixed at this time at a relatively low cost.

Caltrans, Division of Rail and the California Public Utilities Commission select projects to improve safety at railroad crossings. They have selected the UPRR crossing of Power Inn Road. The project will construct a median for approximately two hundred feet on either side of the crossing to prevent vehicles from crossing the tracks with the gates down. These improvements will also assist the City in establishing a Train Horn Quiet Zone in the future.

Financial Considerations:

The Norwood Avenue Bridge Project (PN: RR41) is preliminarily estimated to cost \$7 million. The preliminary engineering and environmental engineering costs are estimated to be approximately \$2,000,000. The City of Sacramento would be responsible for approximately \$230,000 of this cost. Transferring \$230,000 from Federal and State

Matching Funds (PN: TX01) (Fund 209) and appropriating \$1,770,000 from Federal Grant funds (Fund 511) will allow the project to begin preliminary engineering and environmental work. At the completion of preliminary engineering, construction costs will be available. At that time, staff will request additional funds be allocated to the CIP to complete construction.

The Roseville Road Bridge Project (PN: RR46) and the 56th Avenue Bridge Project (PN: RR51) need further evaluation prior to submitting applications to Caltrans. Transferring \$20,000 to each project from Federal and State Matching Funds (PN: TX01) (Fund 209) will allow this work to occur and applications to be submitted to Caltrans. Federal funds and additional local funds will be appropriated if the City is successful in receiving HBP funds.

The Power Inn Road Railroad Crossing Median Project (PN: RR56) is estimated at \$250,000. The local share is estimated at \$50,000 and the federal share is estimated at \$200,000. Transferring \$50,000 from Federal and State Matching Funds (PN: TX01) (Fund 209) and appropriating \$200,000 from Federal Grant Funds (Fund 511) will fund the estimated project cost.

Environmental Considerations:

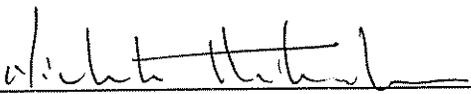
Applying for grant funding, establishing a CIP and appropriation of funds is not subject to the provision of the California Environmental Quality Act (CEQA) under the general rule (15061(b)(3)) that CEQA applies only to projects which have the potential for causing a significant effect on the environment. All of the projects included will need approval by City Council prior to construction. Environmental review will be completed prior to construction.

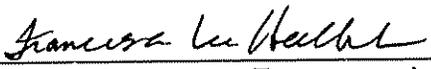
Policy Considerations:

These projects will increase safety and enhance the capacity of the City's roadway network. These projects are consistent with the City's Strategic Plan goals to improve and expand public safety, and to safeguard and manage the public's resources with integrity, prudence, and efficiency.

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: 
Francesca Lee Halbakken
Interim Director, Department of Transportation

Recommendation Approved:

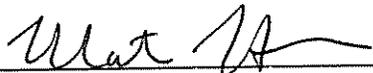

RAY KERRIDGE
City Manager *for*

Table of Contents:

Pg	1	Report
Pg	5	Resolution
Pg	8	Resolution Exhibit A-1 – Location Map: Norwood Ave. over Arcade Creek
Pg	9	Resolution Exhibit A-2 – Location Map: Roseville Rd. over Arcade Creek
Pg	10	Resolution Exhibit A-3 – Location Map: 56 th Ave. over S. Sac Drain
Pg	11	Resolution Exhibit A-4 – Location Map: UPRR at Power Inn Rd.

RESOLUTION NO.

Adopted by the Sacramento City Council

ESTABLISH A CAPITAL IMPROVEMENT PROJECT FOR THE REPLACEMENT OF THE NORWOOD AVENUE BRIDGE, AND THE INITIATION OF OTHER BRIDGE PROJECTS

BACKGROUND

- A. Staff is recommending that the City submit applications for three bridges to the Highway Bridge Program.
- B. The primary reasons for replacing the Norwood Avenue Bridge are the dilapidated condition of the deck, narrow geometry, and its poor hydraulic characteristics. The city has been notified by Caltrans that the foundations are scour critical, and must be repaired. The structure is currently ranked as 5th priority in the TPG "Bridge" section.
- C. Roseville Road over Arcade Creek is currently ranked 2nd in the TPG. This bridge has a structurally deficient 68 year-old timber sub-structure, and is also geometrically deficient with a very narrow deck.
- D. The 56th Avenue Bridge is proposed as a rehabilitation project, rather than a replacement. This bridge has a badly cracked deck that requires sealing and has no barrier rail. The bridge is currently ranked 13th in the TPG. It is nominated despite its low ranking due to the fact that it is a safety issue that can be fixed at this time at a relatively low cost.
- E. Caltrans, Division of Rail and the California Public Utilities Commission select projects to improve safety at railroad crossings. They have selected the UPRR crossing of Power Inn Road. The project will construct a median for approximately two hundred feet on either side of the crossing to prevent vehicles from crossing the tracks with the gates down.

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

- Section 1. Staff is authorized to submit applications for funding to the Highway Bridge Program for three projects: Norwood Avenue over Arcade Creek, Roseville Road over Arcade Creek, and 56th Avenue over the South Sacramento Drain.

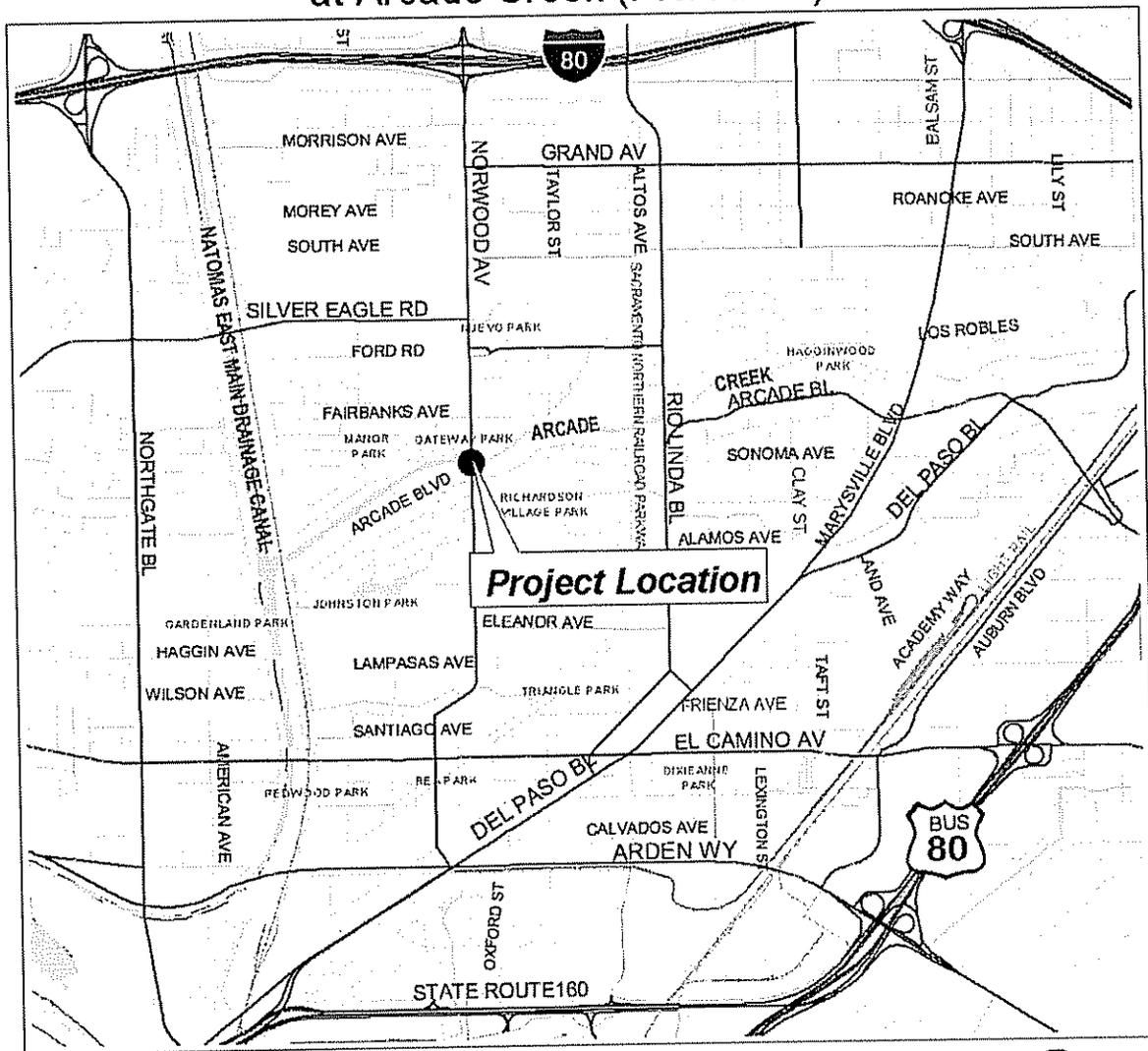
- Section 2. The Norwood Avenue Bridge Project (PN: RR41) is established as a new Capital Improvement Project.
- Section 3. The City Manager is authorized to execute a Program Supplement for the Norwood Avenue Bridge Project (PN: RR41) when received by staff.
- Section 4. The FY05/06 Capital Improvement Program is amended by appropriating \$1,770,000 from the Federal Capital Grant (Fund 511) to the Norwood Avenue Bridge Project (PN: RR41) when the federal paperwork is received from Caltrans.
- Section 5. The FY05/06 Capital Improvement Program is amended by transferring \$230,000 from the Federal and State Matching Funds (PN: TX01) (Fund 209) to the Norwood Avenue Bridge Project (PN: RR41).
- Section 6. The Roseville Road Bridge Project (PN: RR46) is established as a new Capital Improvement Project.
- Section 7. The FY05/06 Capital Improvement Program is amended by transferring \$20,000 from the Federal and State Matching Funds (PN: TX01) (Fund 209) to the Roseville Road Bridge Project (PN: RR46).
- Section 8. The 56th Avenue Bridge Project (PN: RR51) is established as a new Capital Improvement Project.
- Section 9. The FY05/06 Capital Improvement Program is amended by transferring \$20,000 from the Federal and State Matching Funds (PN: TX01) (Fund 209) to the 56th Avenue Bridge Project (PN: RR51).
- Section 10. The Power Inn Road Railroad Crossing Median Project (PN: RR56) is established as a new Capital Improvement Project.
- Section 11. The City Manager is authorized to execute an agreement with Caltrans for the Power Inn Road Railroad Crossing Median Project (PN: RR56) when received by staff.
- Section 12. The FY05/06 Capital Improvement Program is amended by appropriating \$200,000 from the Federal Capital Grant (Fund 511) to the Power Inn Road Railroad Crossing Median Project (PN: RR56) when the agreement with Caltrans is executed.
- Section 13. The FY05/06 Capital Improvement Program is amended by transferring \$50,000 from the Federal and State Matching Funds (PN: TX01) (Fund 209) to the Power Inn Road Railroad Crossing Median Project (PN: RR56).

Table of Contents

- Resolution Exhibit A-1 – Location Map: Norwood Ave. over Arcade Creek
- Resolution Exhibit A-2 – Location Map: Roseville Rd. over Arcade Creek
- Resolution Exhibit A-3 – Location Map: 56th Ave. over S. Sac Drain
- Resolution Exhibit A-4 – Location Map: UPRR at Power Inn Rd.

EXHIBIT A-1

Location Map for
Norwood Avenue Bridge Improvements
at Arcade Creek (PN: RR41)



Department of
TRANSPORTATION
City of Sacramento

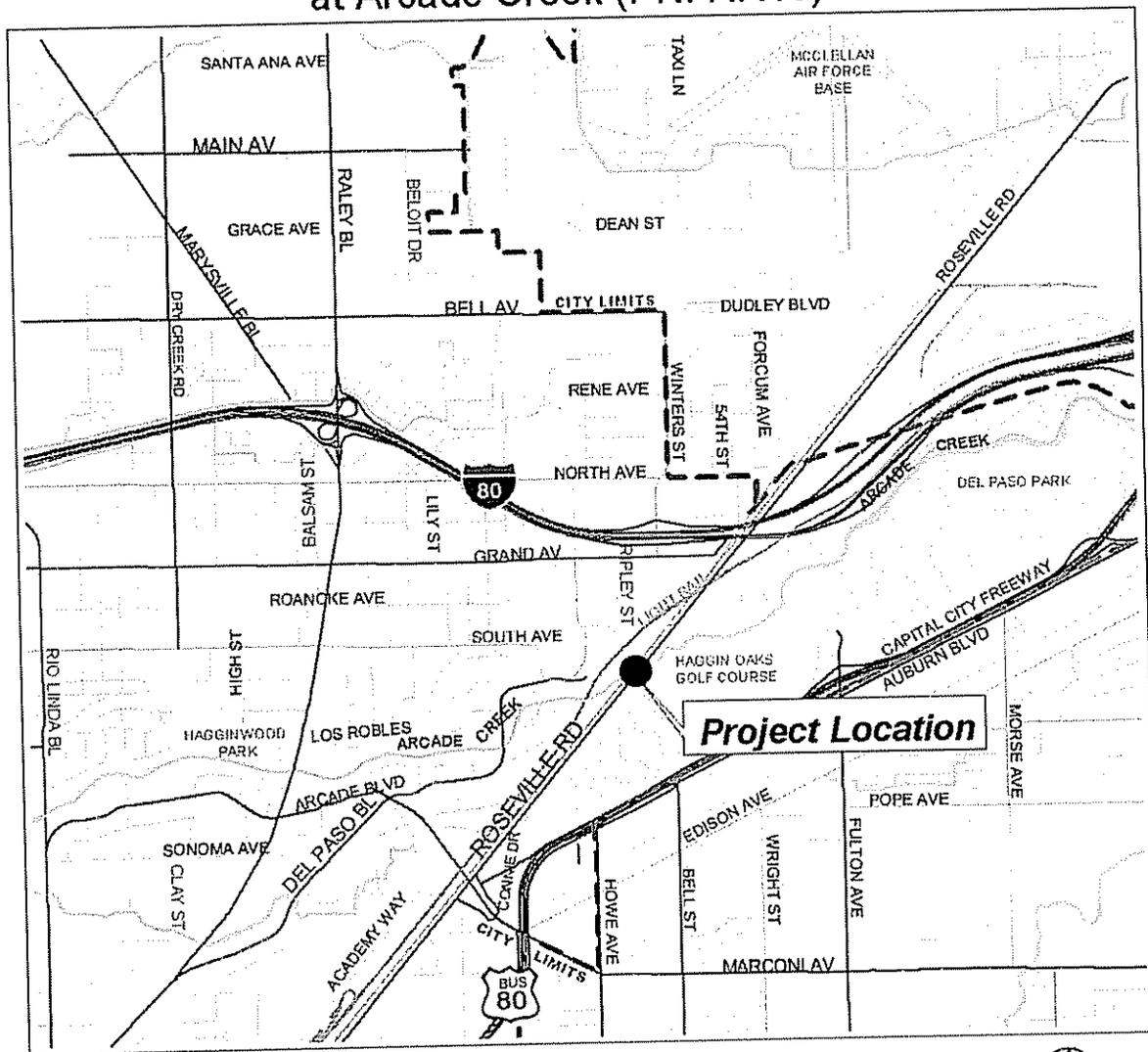
Map Contact: S Tobin
Map Date: Mar 2006

1000 0 1000 2000 Feet



EXHIBIT A-2

Location Map for
Roseville Road Improvements
at Arcade Creek (PN: RR46)



Department of
TRANSPORTATION
City of Sacramento

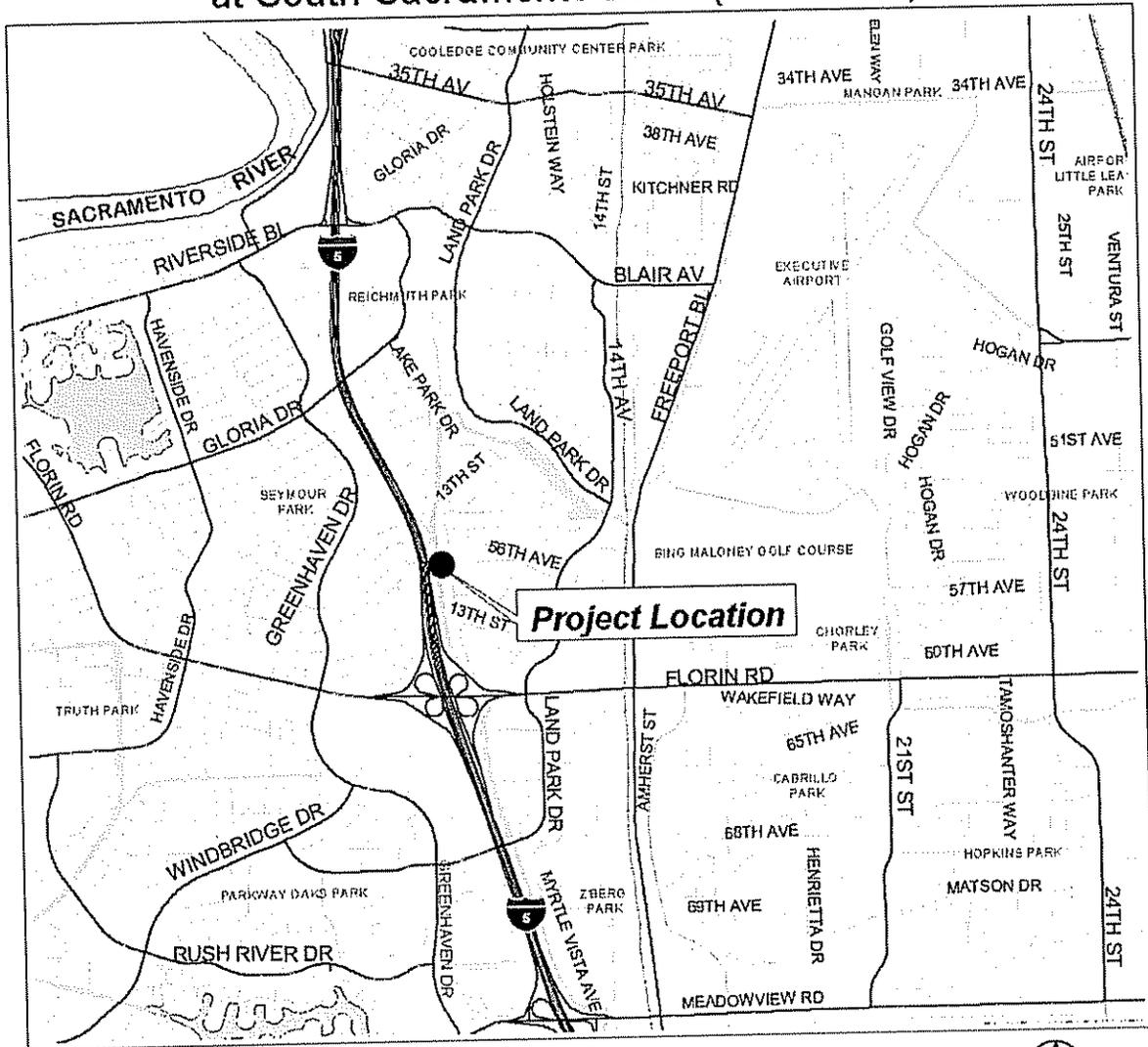
Map Contact: S. Tobin
Map Date: Mar. 2005

1000 0 1000 2000 Feet



EXHIBIT A-3

Location Map for
56th Avenue Improvements
at South Sacramento Drain (PN: RR51)



Department of
TRANSPORTATION
City of Sacramento

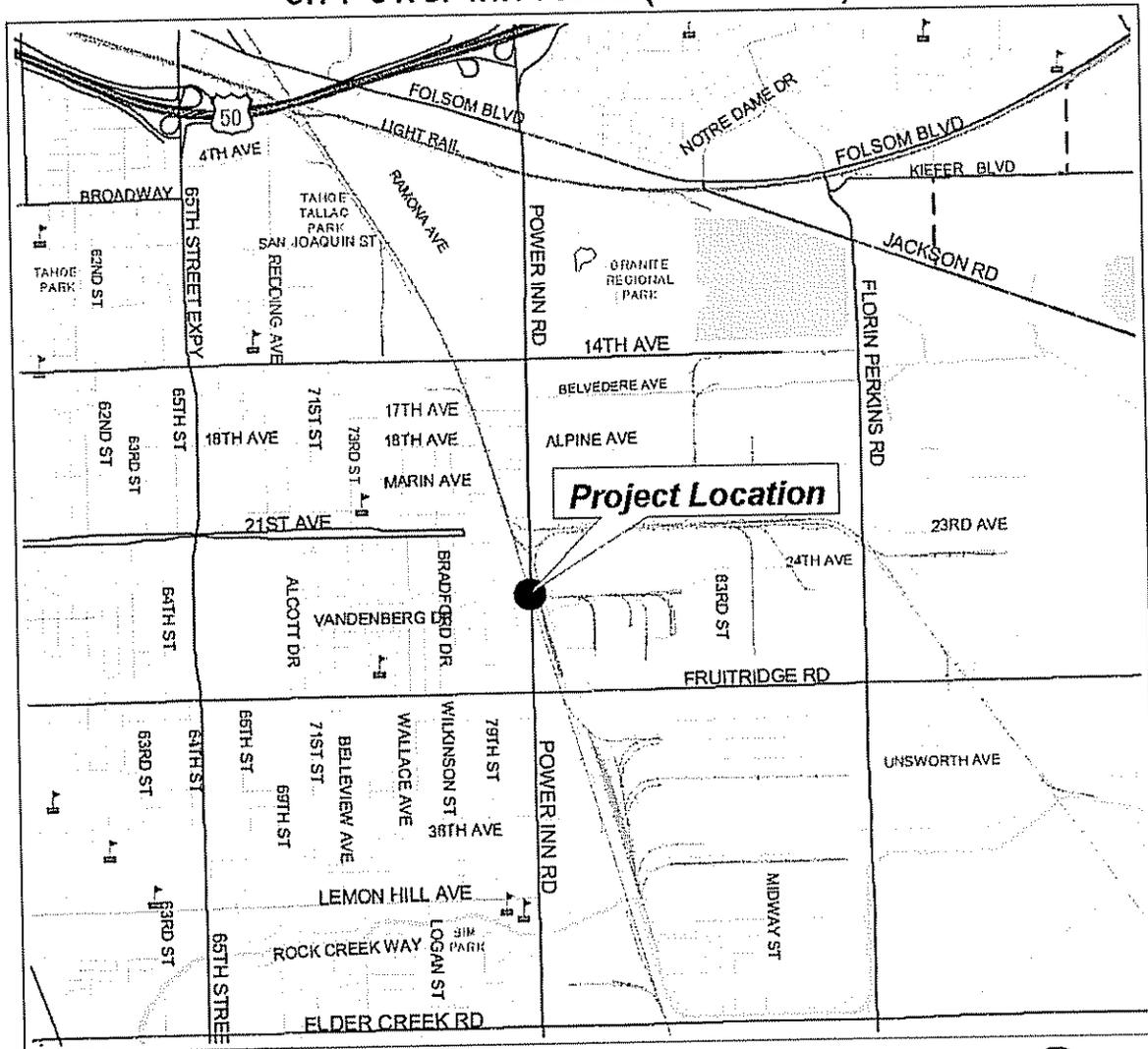
Map Contact S Tobin
Map Date Mar, 2008

1000 0 1000 2000 Feet



EXHIBIT A-4

Location Map for
Rail Safety Improvements
on Power Inn Road (PN: RR56)



Department of
TRANSPORTATION
City of Sacramento

Map Contact: S Tobin
Map Date: Mar. 2006

1000 0 1000 2000 Feet

