



# REPORT TO COUNCIL City of Sacramento

915 I Street, Sacramento, CA 95814-2671  
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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)  
56<sup>th</sup> 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 56<sup>th</sup> 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 5<sup>th</sup> priority in the TPG "Bridge" section.

Roseville Road over Arcade Creek is currently ranked 2<sup>nd</sup> 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 56<sup>th</sup> 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 14<sup>th</sup> 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 56<sup>th</sup> 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:**

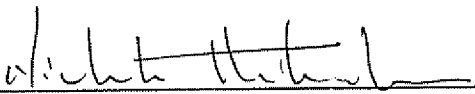
Applying for grant funding, establishing a CIP and appropriation of funds is not subject to the provision of the California Environmental Quality Act (CEQA) under the general rule (15061(b)(3)) that CEQA applies only to projects which have the potential for causing a significant effect on the environment.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

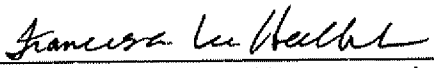
**Policy Considerations:**

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*

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## **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 5<sup>th</sup> priority in the TPG "Bridge" section.
- C. Roseville Road over Arcade Creek is currently ranked 2<sup>nd</sup> 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 56<sup>th</sup> 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 13<sup>th</sup> 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 56<sup>th</sup> 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 56<sup>th</sup> 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 56<sup>th</sup> 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).

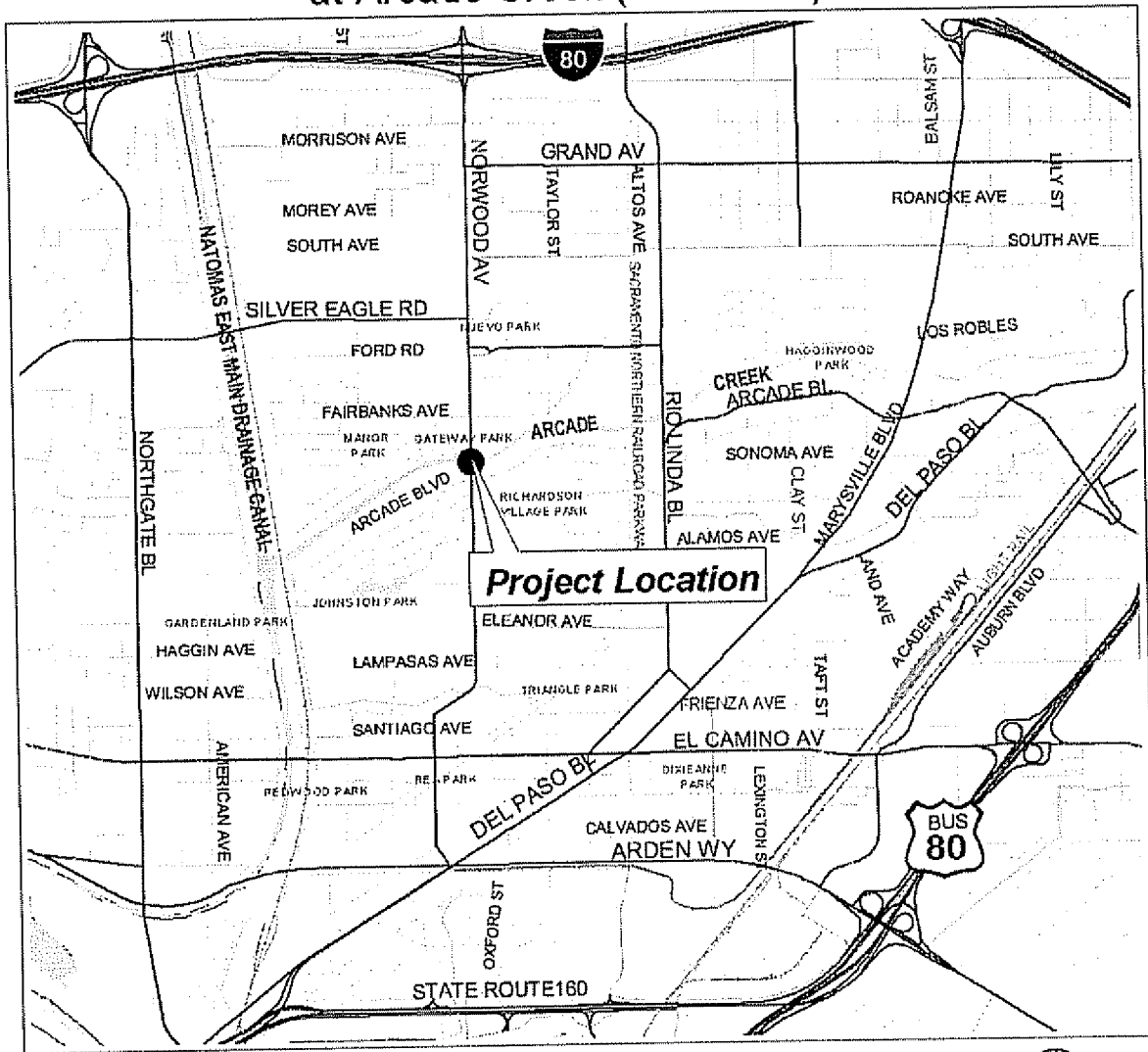
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- Resolution Exhibit A-1 – Location Map: Norwood Ave. over Arcade Creek
- Resolution Exhibit A-2 – Location Map: Roseville Rd. over Arcade Creek
- Resolution Exhibit A-3 – Location Map: 56<sup>th</sup> Ave. over S. Sac Drain
- Resolution Exhibit A-4 – 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

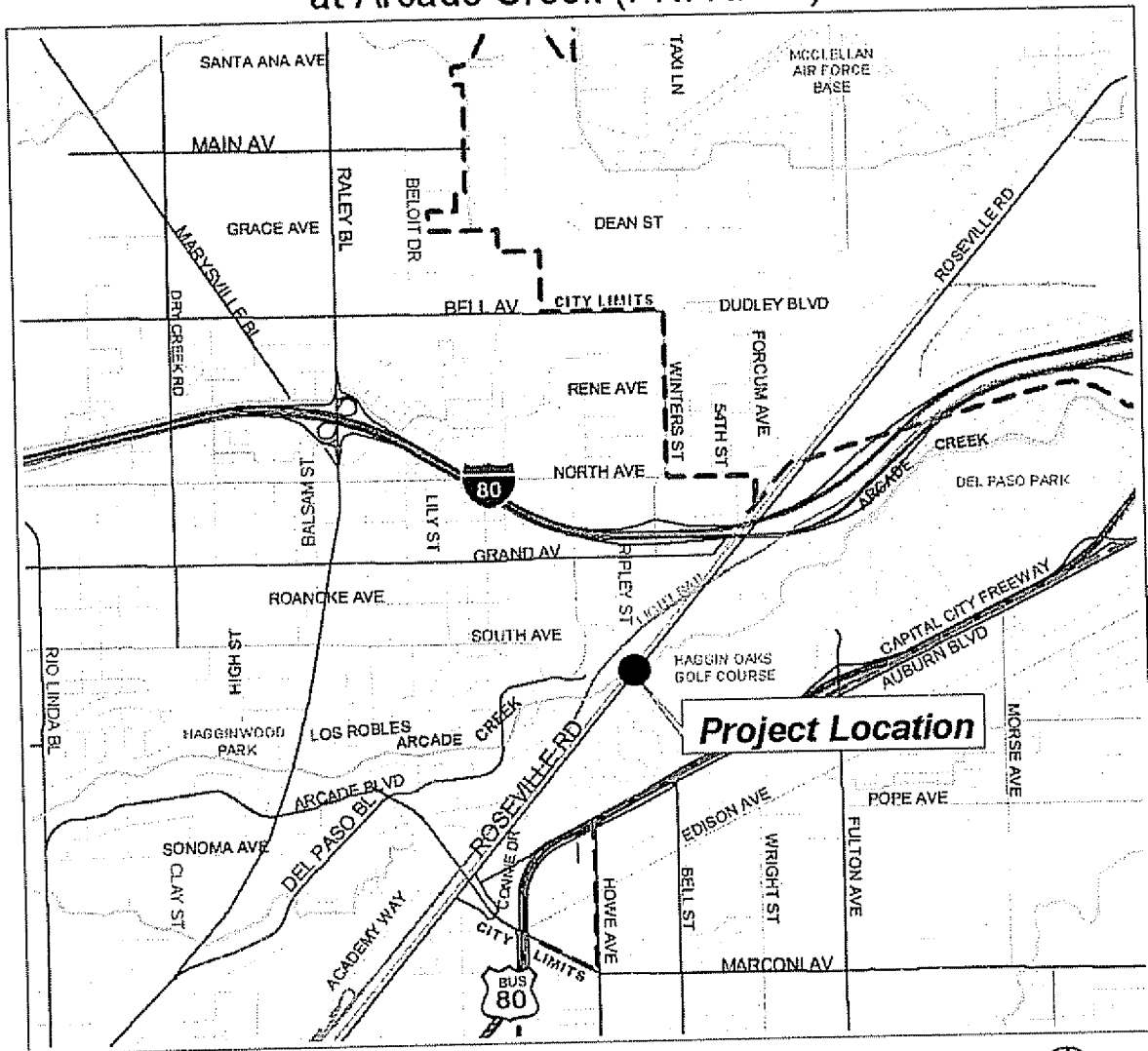
Map Contact: S. Tobin  
Map Date: Mar 2006

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EXHIBIT A-2

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



Department of  
**TRANSPORTATION**  
City of Sacramento

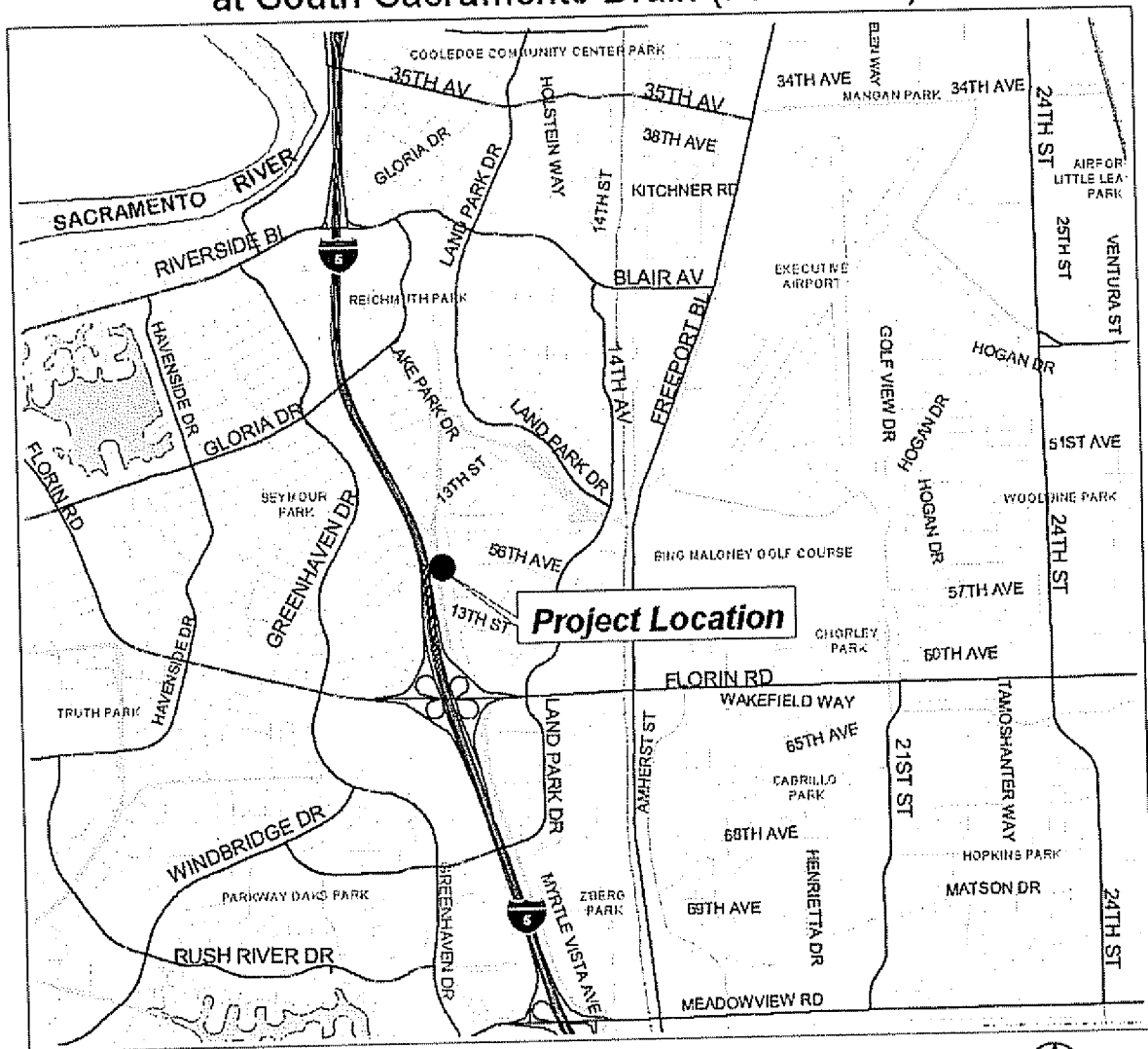
Map Contact: S. Tobin  
Map Date: Mar 2005

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EXHIBIT A-3

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



Department of  
**TRANSPORTATION**  
City of Sacramento

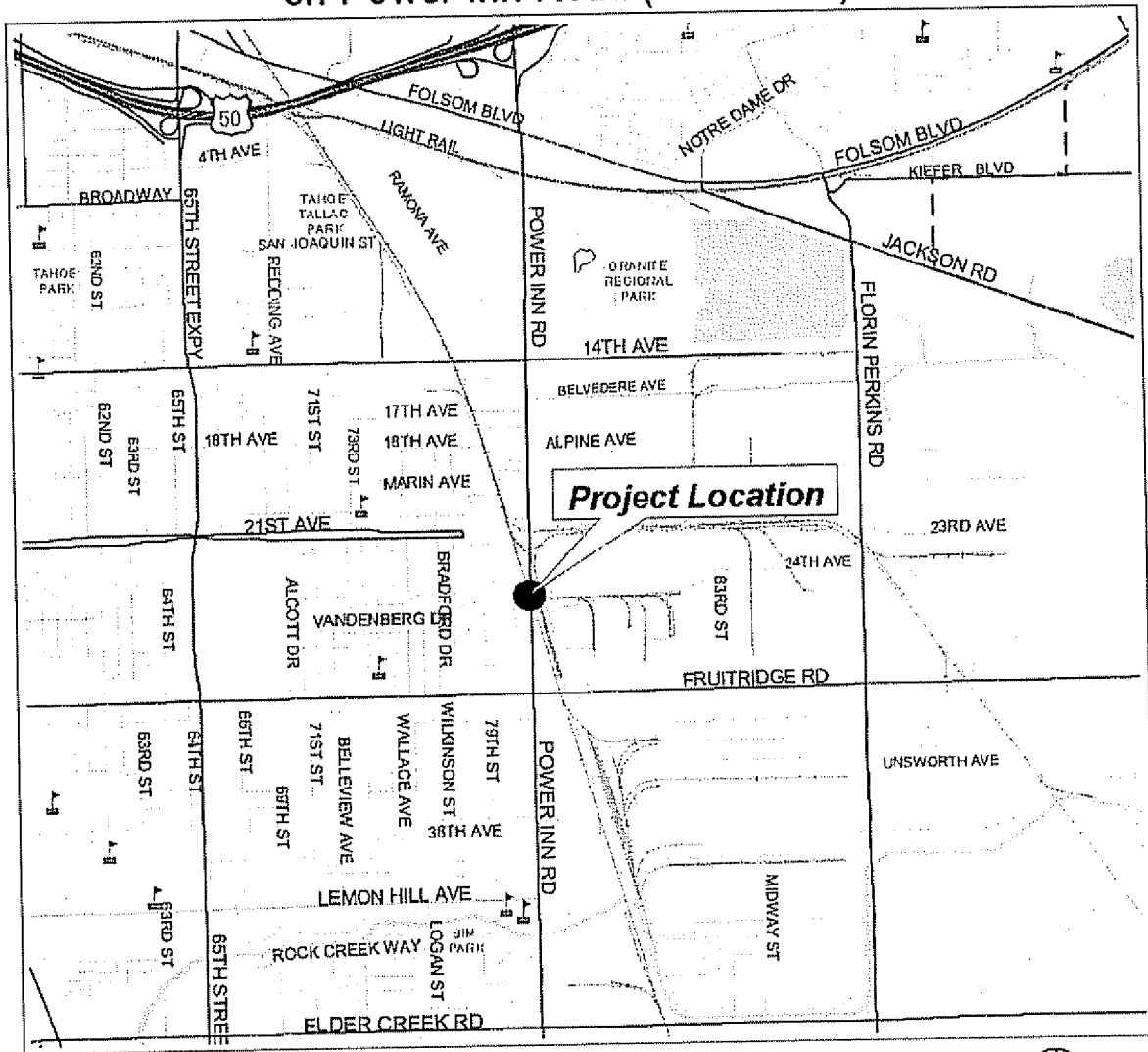
Map Contact: S Tobin  
Map Date: Mar. 2008

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EXHIBIT A-4

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



Department of  
**TRANSPORTATION**  
City of Sparks

Map Contact: S Tobin  
Map Date: Mar. 2005

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