

Engineering Services  
Public Works and Utilities Department  
Gregory S. MacLean, Director  
531 Westgate Blvd.  
Suite 100  
Lincoln, Nebraska 68528  
402-441-7711  
fax: 402-441-6576

July 29, 2011

Deana McKinstry  
Sinclair Hille Architects  
700 Q Street  
Lincoln, NE 68508

RE: Transportation Enhancement Application

Dear Ms. McKinstry

Please find attached our application for Transportation Enhancement funds for the Sheridan bridges replacement project in Lincoln. The bridges are in need of reconstruction and are located in a historic district within the City which is why we believe this project should be considered for Transportation Enhancement funding.

Thank you for the opportunity to have this project considered for funding. If you have any questions or comments please give me a call at (402) 525-5644.

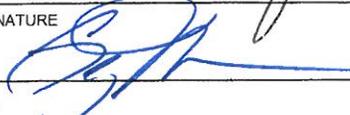
Sincerely,

Thomas Shafer  
Design/Construction Manager  
City of Lincoln Public Works and Utilities

enclosure

State of Nebraska  
Department of Roads

## Transportation Enhancement Improvement Request (DRAFT)

<b>1.</b>	LOCAL PUBLIC AGENCY NAME: City of Lincoln, Public Works and Utilities	TYPE OF GOVERNMENT AGENCY (Check One): <input type="checkbox"/> Village <input type="checkbox"/> NRD	<input checked="" type="checkbox"/> City	<input type="checkbox"/> County	<input type="checkbox"/> State <input type="checkbox"/> Other
<b>2.</b>	CONTACT PERSON: Thomas Shafer	FAX NUMBER: 402-441-6576			
	MAILING ADDRESS: (Street) 901 W. Bond	CITY: Lincoln	STATE: NE	ZIP: 68521	
	DAYTIME PHONE: 402-525-5644	E-MAIL: tshafer@lincoln.ne.gov			
<b>3.</b>	CONTACT PERSON: (Print Name & Title) Thomas Shafer- Engineering Services Manager	SIGNATURE 	DATE: 7/29/2011		
<b>4.</b>	LOCAL PUBLIC AGENCY: (Print Name & Title) Greg MacLean - Director, Public Works and Utilities	SIGNATURE 	DATE: 7/29/2011		
<b>5.</b>	PROJECT TYPE: (Select One Category) <input type="checkbox"/> Trails <input checked="" type="checkbox"/> Historic Preservation <input type="checkbox"/> Scenic or Historic Byways				
<b>6.</b>	PROJECT NAME: Sheridan Bridge Replacement near 33 <sup>rd</sup> and Sheridan Streets				
<b>7.</b>	PROJECT DESCRIPTION/LOCATION: (Include detailed project description and location, work to be performed, purpose and need of project; attach map) See attached				
DESCRIBE HOW YOUR PROJECT RELATES TO TRANSPORTATION (AS DESCRIBED IN APPLICATION GUIDELINES): This project involves replacement of a bridge at the entrance to a historic district. The bridge is currently used as a separated crossing for a trail. This project addresses facilities for pedestrian and bicycle use as well as promotes the historic attributes of the nearby neighborhood.					
<b>8.</b>	TOTAL ESTIMATED PROJECT COST: \$1,876,319	FEDERAL FUNDS REQUESTED: \$1,000,000	LOCAL FUNDS PROVIDED BY: City of Lincoln	PERCENTAGE OF MATCH: (Minimum 20% of total) 47%	
<b>9.</b>	NAME & ORGANIZATION OF RESPONSIBLE CHARGE IDENTIFIED FOR PROJECT: Devin Biesecker, City of Lincoln, Public Works and Utilities				

**Attach the following required items:**

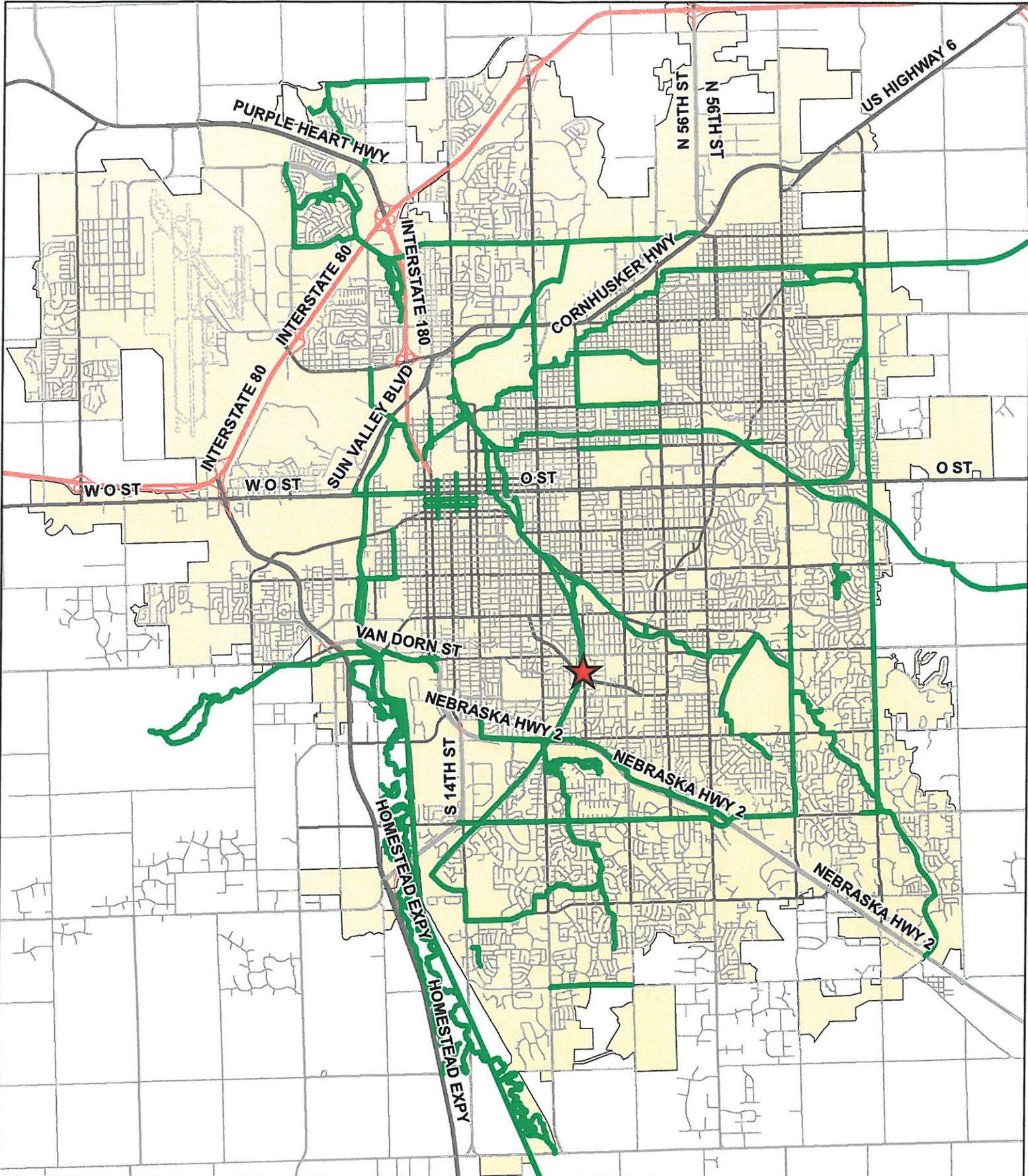
- Budget (follow sample provided in Application Guidelines booklet)
- 8 ½ x 11 map - include aerial image, project location/alignment, north arrow, street names, points of interest

## **7. Project Description/Location**

The Sheridan Boulevard bridges are located just west of the intersection of South 33rd Street along Sheridan Boulevard in Lincoln, NE. The twin bridges were originally put in place as part of a boulevard system to cross the now defunct Chicago, Rock Island and Pacific Railroad. The bridges lie at the entrance of what is referred to as the Boulevards Historic District, a historic district on the National Register of Historic Places. The Boulevards district is unique in that it has very wide landscaped medians throughout the neighborhood. For over thirty years an electric trolley used the wide boulevard along Sheridan to carry people to and from downtown Lincoln. The trolley also crossed the Chicago, Rock Island, and Pacific railroad on a bridge adjacent to the existing twin Sheridan bridges. The old trolley bridge has since been torn down. The railway corridor is now a heavily used trail maintained by the City of Lincoln.

The existing Sheridan bridges are in need of replacement. The existing twin structures on Sheridan Boulevard over the Rock Island Trail are 3 span, 132-foot (42'-50'-42') steel girder bridges. In recent years, the structure has been exhibiting significant deterioration. Both bridges exhibit corrosion in the flanges of several steel beams, resulting in 10% to 20% loss of section. The deck slabs have extensive spalls and cracking on the underside at the edges exposing reinforcing bar corrosion. The substructure units have numerous cracks and spalling. The eastbound bridge was posted with load restrictions in 2009. The "Sufficiency Rating" is 26.8, which classifies these structures as "Structurally Deficient".

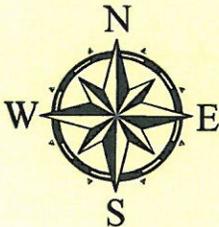
The most economical solution to replace the bridges would be to build a much smaller structure to allow the bike trail to still pass under the Sheridan Boulevard. This could be accomplished by building either a concrete or metal culvert under the roadway. However, because these bridges are near the entrance to a registered historic district it is important to maintain the visual appeal that the bridges lend to the historic neighborhood. The bridges serve as a visual gateway into the historic district's eastern edge near 33<sup>rd</sup> Street. Adding to the look of an entrance are the bridge's old style decorative concrete bridge rails. Because of this, replacing the bridges in this historic district should be done in such a manner to replicate the multi-modal function that this area served in the past while also maintaining the visual appeal of what is now an entrance into a historic neighborhood in Lincoln. The best way to preserve the look of the roadway through this neighborhood would be to build similar structures along Sheridan Boulevard.

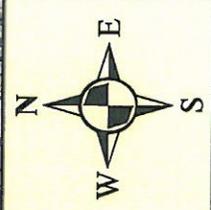
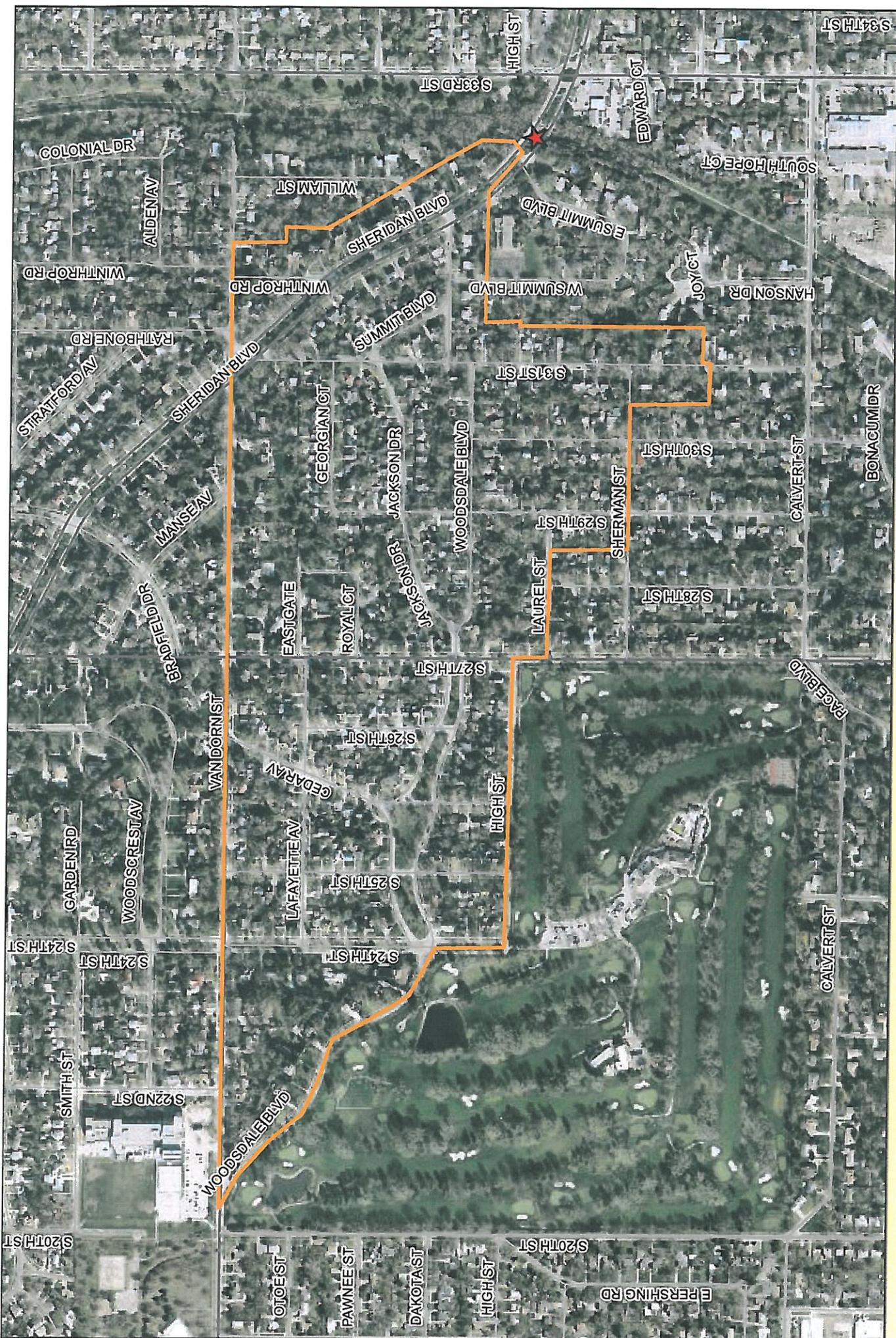


**Legend**

-  Project Location
-  Trails
-  City Limits

**City of Lincoln  
Trails System**

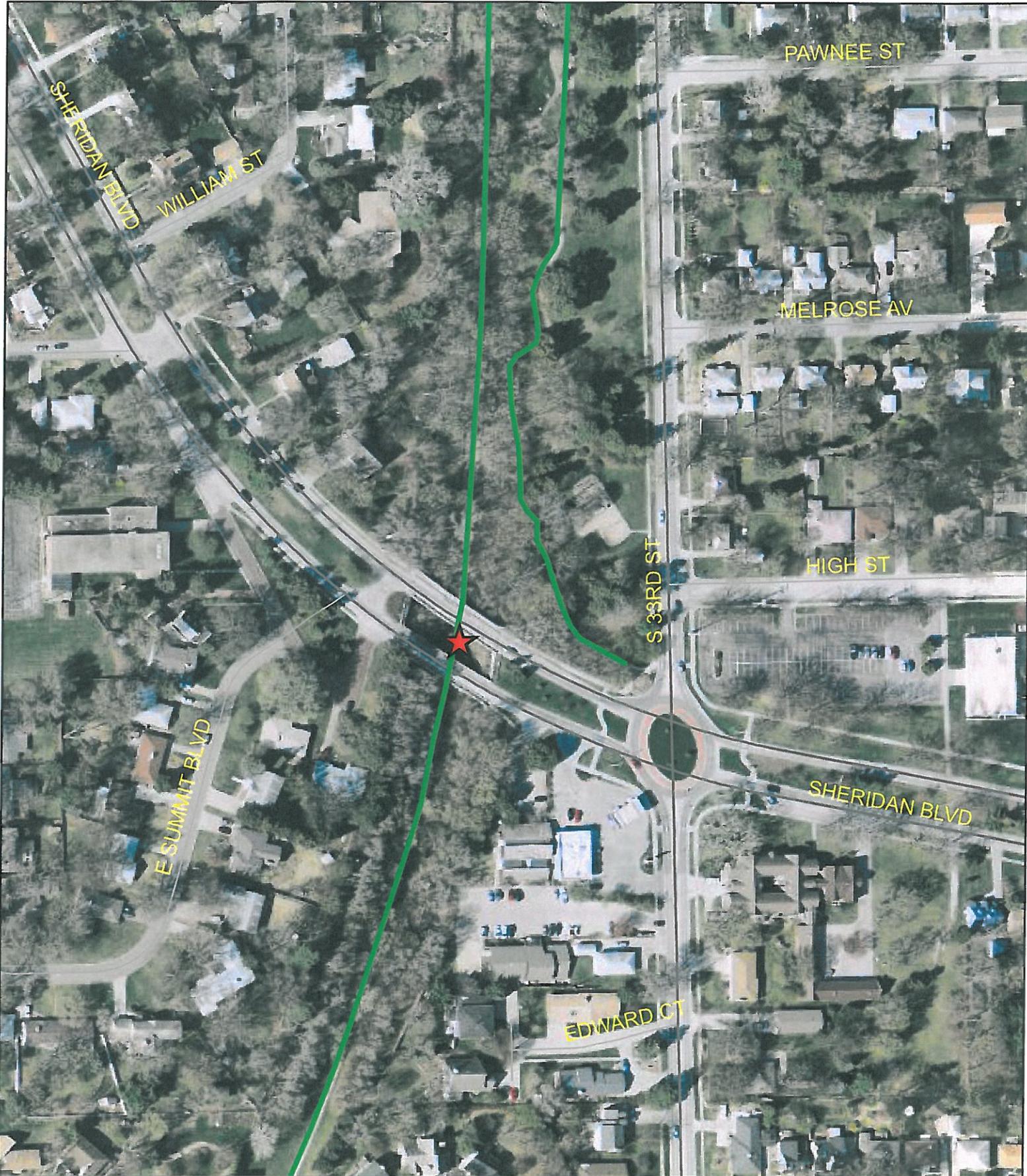




## Boulevard Historic District Lincoln, NE

**Legend**

- ★ Project Location
- Historic District Boundary



**Legend**

-  Project Location
-  Existing Trails

**City of Lincoln  
Sheridan Bridges**

