

OPEN HOUSE AGENDA

- | | |
|----------------------------------|----------------|
| 1. Informal Discussion | 5:30 – 6:00 PM |
| 2. Introductions/Meeting Purpose | 6:00 – 6:10 PM |
| 3. Potential Adverse Effects | 6:10 – 6:30 PM |
| 4. Potential Mitigation Measures | 6:30 – 6:50 PM |
| 5. Potential Bridge Types | 6:50 – 7:05 PM |
| 6. Discussion on Next Steps | 7:05 – 7:15 PM |
| 7. Additional Q & A | 7:15 – 7:30 PM |

**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**





REPLACEMENT OF THE ST ANTHONY PARKWAY BRIDGE OVER NORTHTOWN YARD

APRIL 9, 2013

5:30-7:30pm

WELCOME TO THE ST. ANTHONY PARKWAY BRIDGE OPEN HOUSE



PUBLIC MEETING REGARDING HISTORIC RESOURCES

TUESDAY, APRIL 9, 2013

5:30 – 7:30 PM

**REPLACEMENT OF THE ST ANTHONY PARKWAY
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WELCOME TO THE OPEN HOUSE!

The purpose of this open house is to:

- Share and receive information on historic resources that will be impacted by the St Anthony Parkway Bridge project, including:
 - St. Anthony Parkway Bridge, and
 - Grand Rounds National Scenic Byway.
 - BNSF Rail Corridor
- Seek input from public on:
 - Your input on bridge type and possible mitigation measures is requested.
- Your thoughts

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ROLE OF THE PUBLIC IN THE HISTORIC RESOURCE REVIEW

You the PUBLIC know the project area. You can provide insight on the historic resources and their value to your community.

At earlier meetings, the public was invited to be consulting parties. Many residents including CAC members signed up. They along with stakeholder agencies have been discussing mitigation alternatives. We are now bringing back the alternatives for broader community for input. Your participation will help in determining the type of bridge to be built and what mitigations will be pursued.

Future meetings are planned to review the proposed design and seek responses and ideas from you.

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HISTORIC RESOURCE PROCESS – SECTION 106

FOUR STEPS TO FOLLOW

- INITIATE – Determined that the project is an “undertaking” that has the potential to impact historic resources. We initiated a review.
- IDENTIFY – Determined there are historic properties present (i.e., properties eligible for, or listed on the National Register of Historic Places).
- ASSESS – Determined that historic properties will be adversely effected by the proposed undertaking.
- RESOLVE – We are determining how to mitigate the adverse effects to historic properties.

Mitigation measures are documented in a Memorandum of Agreement (MOA) between FHWA, SHPO, ACHP, invited signatories (such as the City) and Consulting parties (such as members of the Public).

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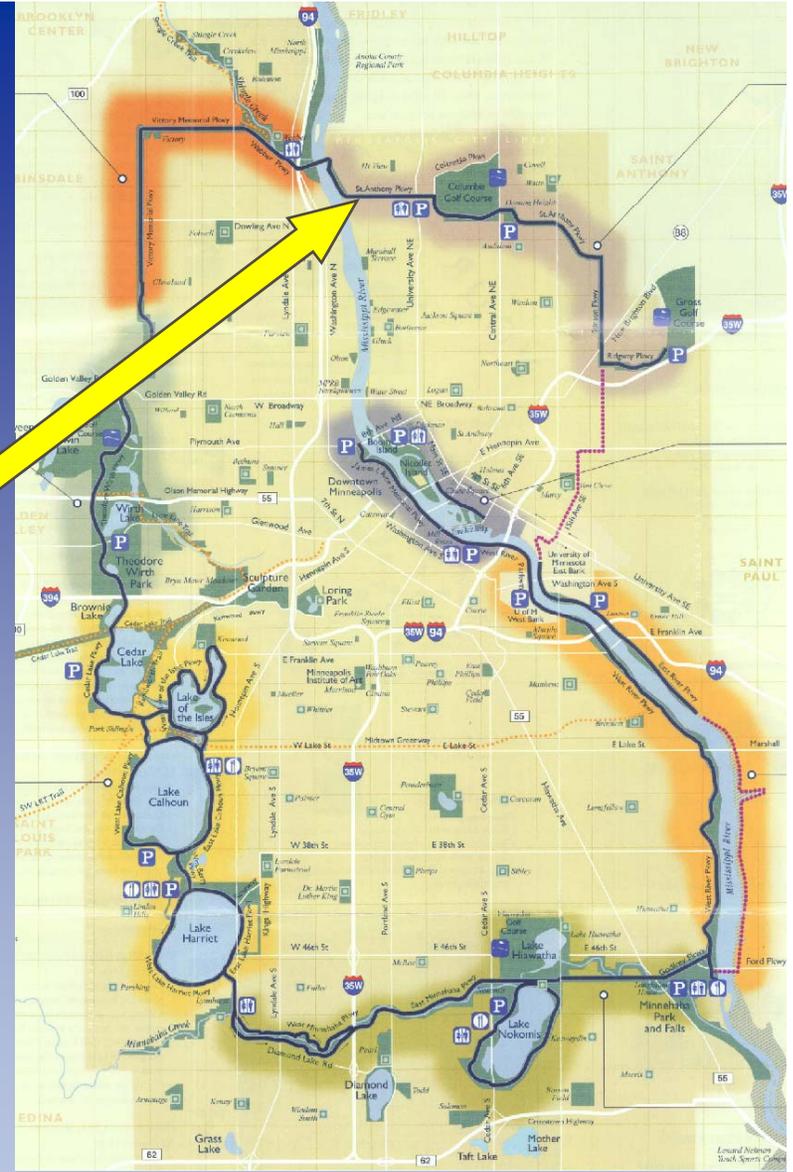
AFFECTED HISTORIC RESOURCES EXISTING BRIDGE



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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GRAND ROUNDS NATIONAL SCENIC BYWAY



REPLACEMENT OF THE ST ANTHONY PARKWAY BRIDGE OVER THE NORTHTOWN YARD



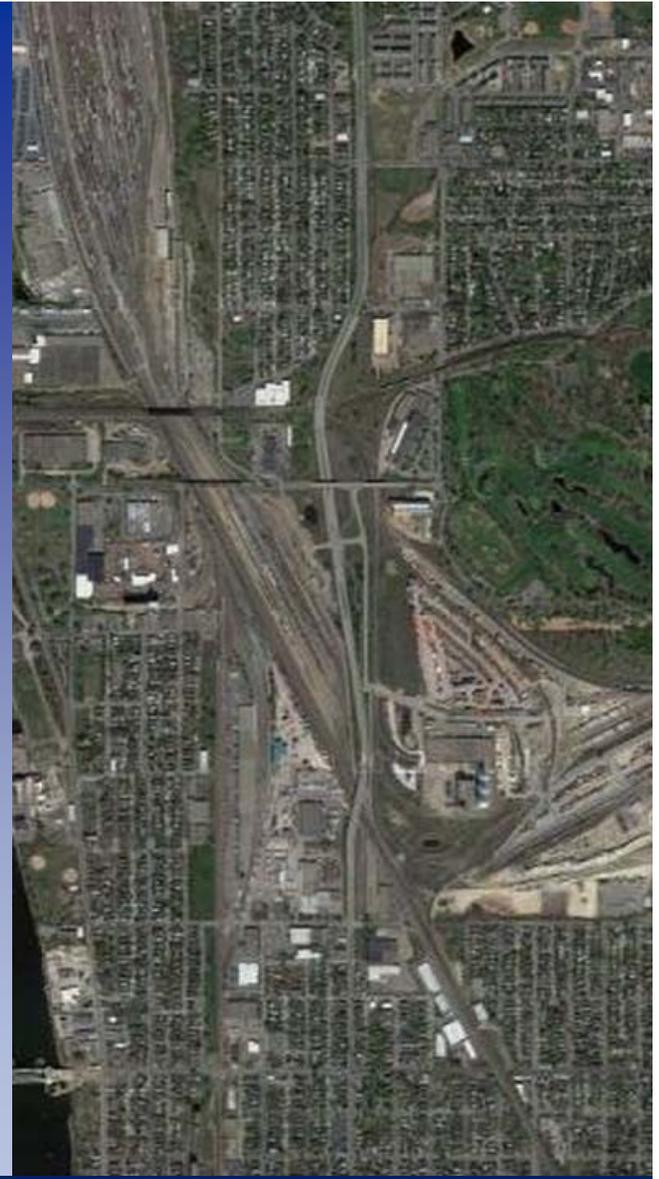
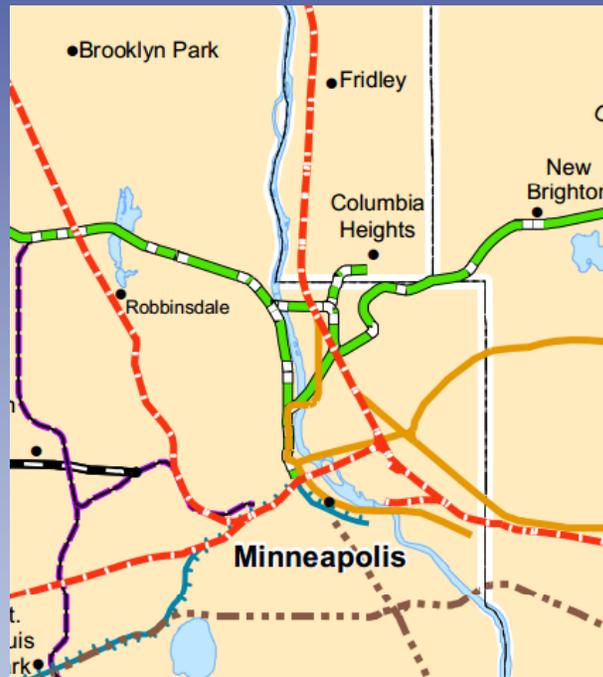
BNSF RAIL CORRIDOR

Minnesota Statewide Historic Railroads Study Project Report

Submitted to the
Minnesota Dept. of Transportation

Submitted by
Andrew J. Schmidt
Summit Envirosolutions, Inc.
and
Daniel R. Pratt
ARCH³, LLC.

June 2007



REPLACEMENT OF THE ST ANTHONY PARKWAY BRIDGE OVER THE NORTHTOWN YARD



POTENTIAL SUGGESTED MITIGATION ITEMS

1. Document the current bridge for Historic Records. This includes photos, narrative, drawings, etc.
2. CRU/SHPO will review the new bridge plans for conformance with SOIS
3. Historic interpretive kiosk near new bridge
4. Website with information on the old bridge
5. Market the existing bridge for a new use
6. Preservation Planning for other City Historic Bridges

**REPLACEMENT OF THE ST ANTHONY PARKWAY
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PROJECT DEVELOPMENT - REPLACEMENT BRIDGE TYPES

- Quick introduction to different bridge types
- Renderings for beam, tied-arch, and cable-stayed bridge types

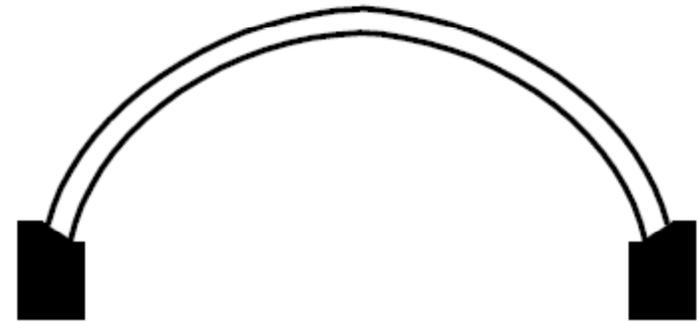
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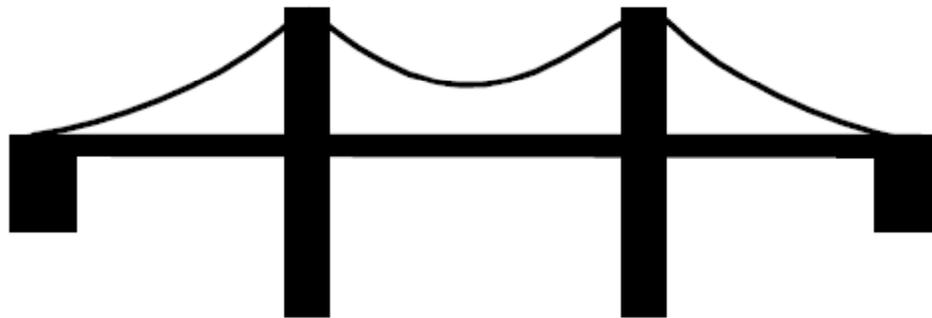
FHWA BASIC BRIDGE TYPES



Slabs, Beams, Trusses



Arch



Cable Supported

**REPLACEMENT OF THE ST ANTHONY PARKWAY
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BEAM FAMILY [SLABS, BEAMS, GIRDERS, TRUSSES]



Slabs, Beams, Trusses



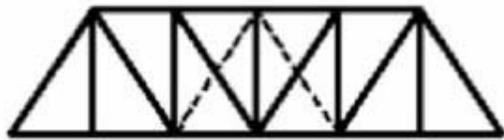
Deck Truss



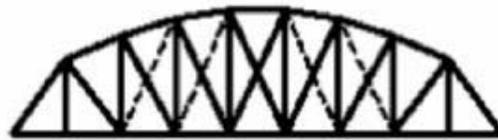
Through Truss

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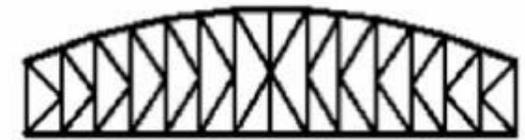




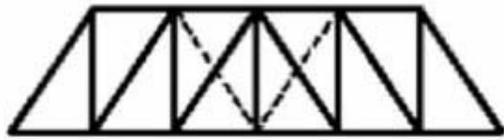
Pratt



Parker



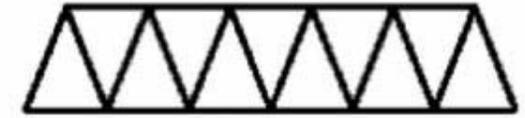
K-Truss



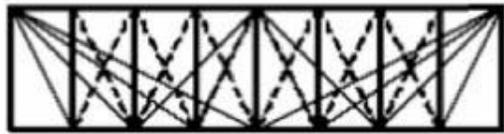
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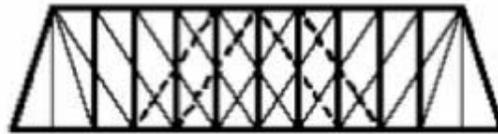
Camelback



Warren



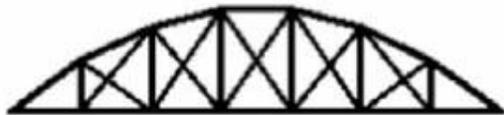
Fink



Double Intersection Pratt



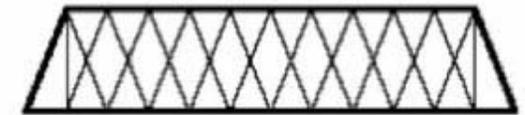
Warren (with Verticals)



Bowstring



Baltimore



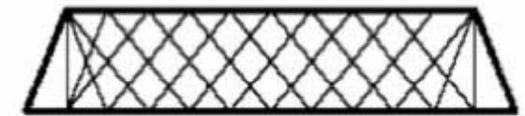
Double Intersection Warren



Waddell "A" Truss



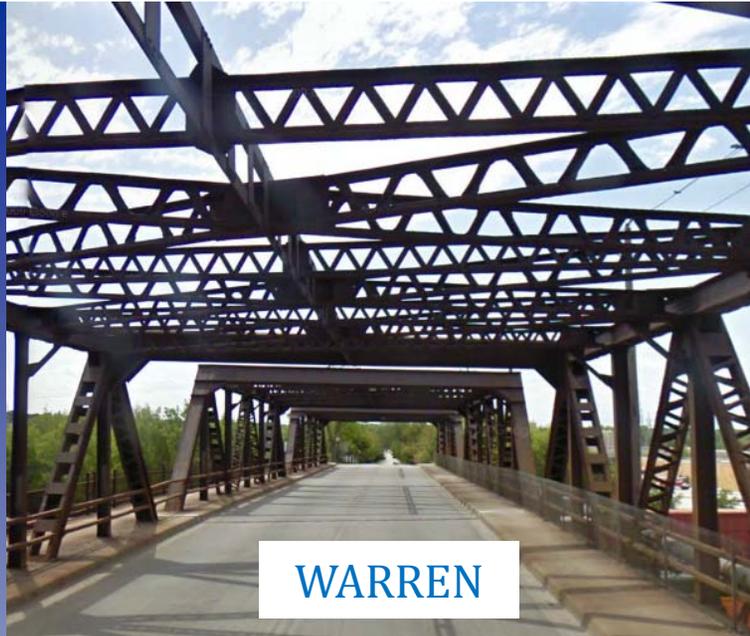
Pennsylvania



Lattice

REPLACEMENT OF THE ST ANTHONY PARKWAY BRIDGE OVER THE NORTHTOWN YARD





WARREN



Pennsylvania

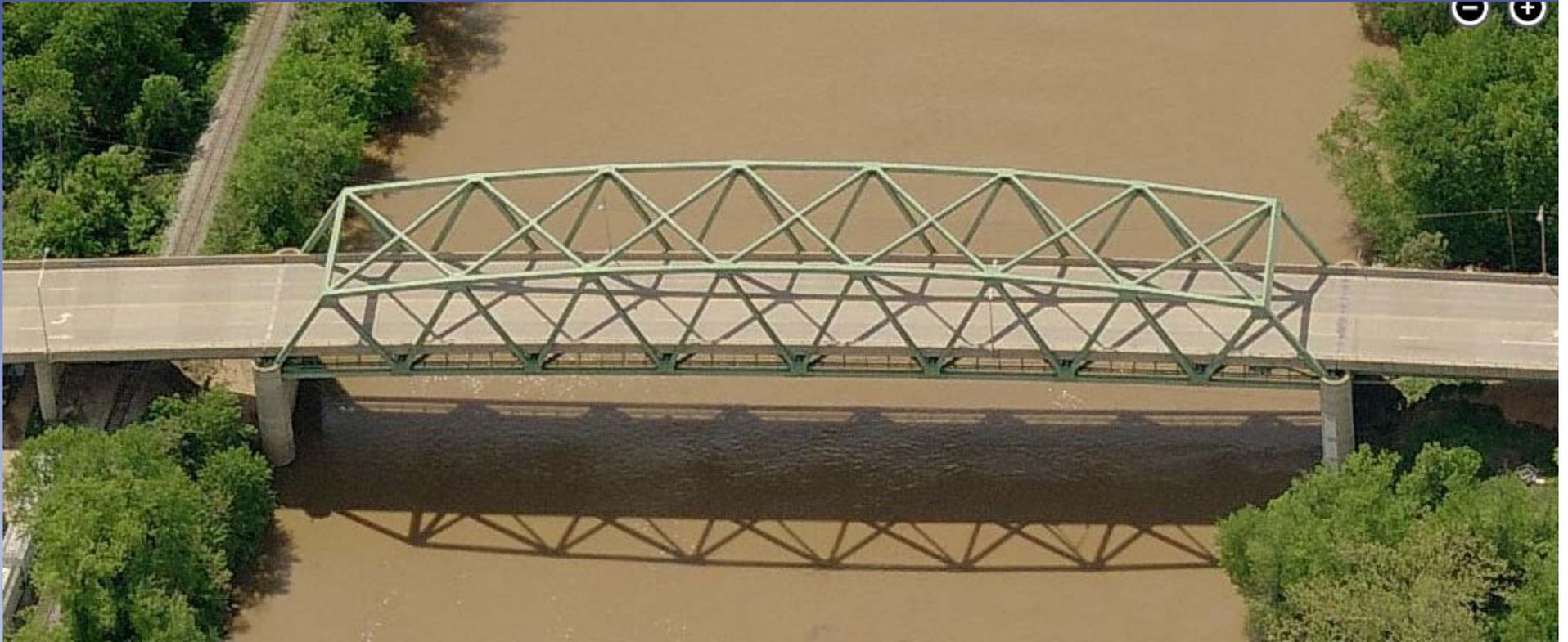


WARREN

REPLACEMENT OF THE ST ANTHONY PARKWAY BRIDGE OVER THE NORTHTOWN YARD



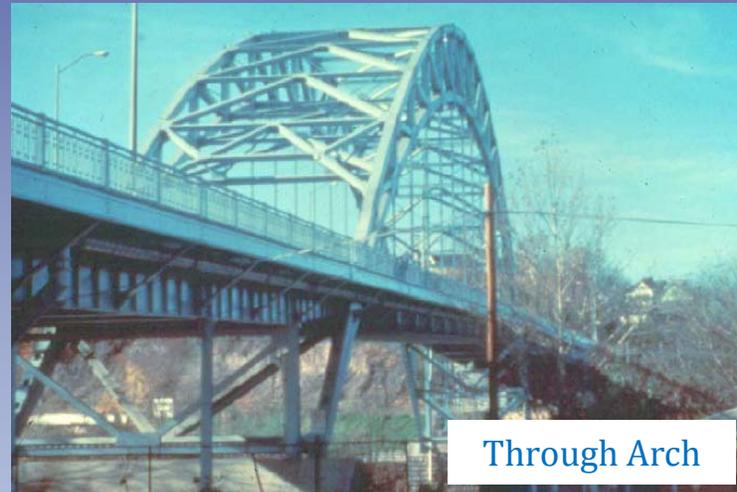
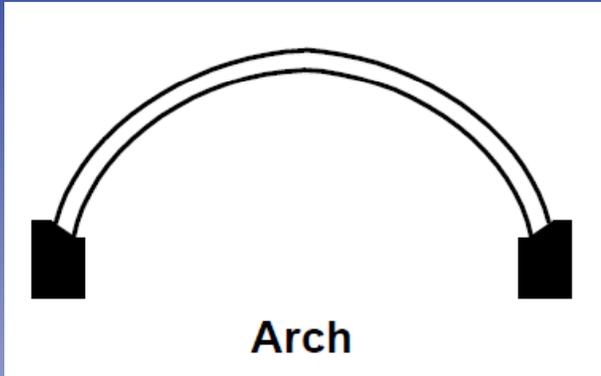
WARREN TRUSS WITHOUT SWAY BRACING



**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



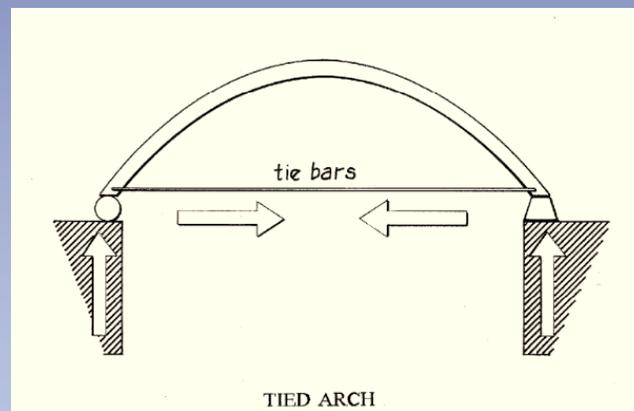
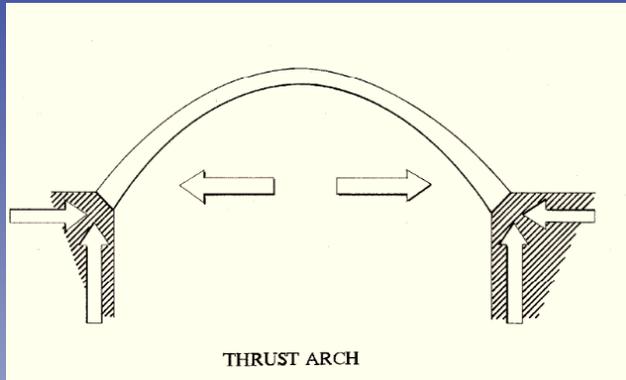
ARCH FAMILY [DECK OR THROUGH, THRUST OR TIED]



**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



ARCH FAMILY [DECK OR THROUGH, THRUST OR TIED]



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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EXAMPLES OF THROUGH ARCHES



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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A TRUSSED TIED-ARCH



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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COLUMBUS, OHIO – INCLINED SINGLE RIB ARCH



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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COLUMBUS, OHIO



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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HOUSTON, TX – CORRIDOR OF TIED-ARCHES



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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DRAGON BRIDGE IN VIETNAM



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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DRAGON BRIDGE SPEWS FIRE



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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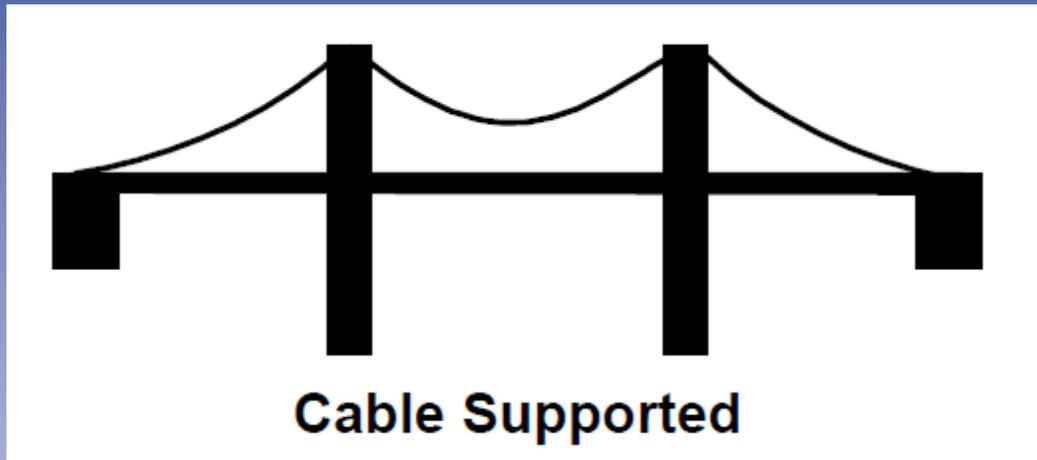




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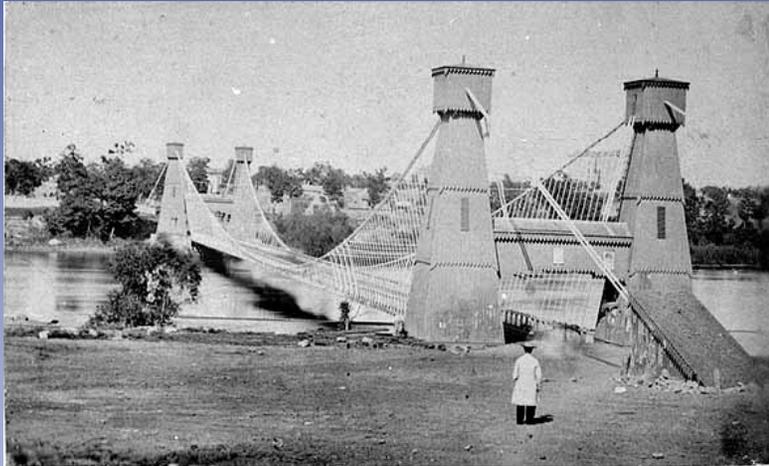
CABLE SUPPORTED FAMILY [CABLE-STAYED, SUSPENSION, EXTRADOS]



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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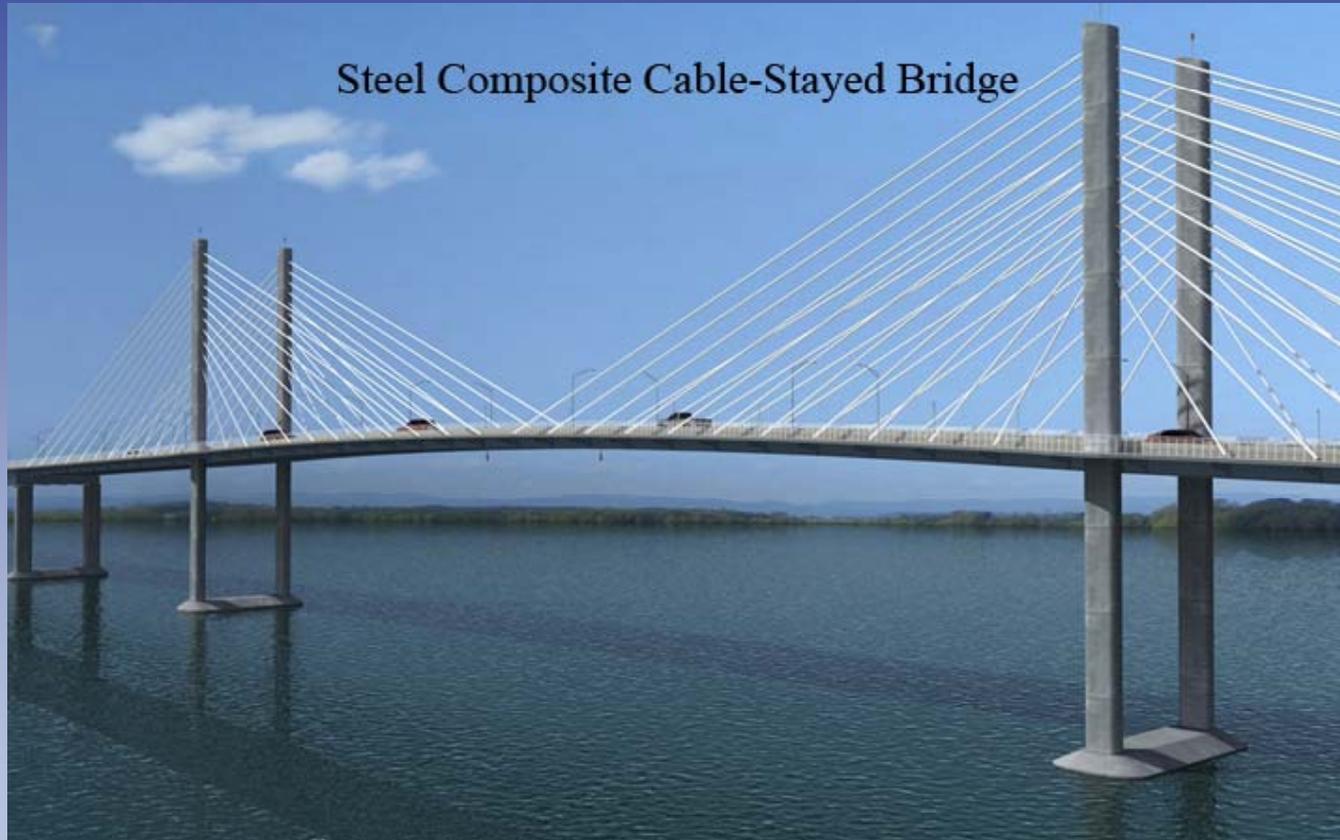
SUSPENSION BRIDGE - HENNEPIN AVENUE BRIDGE



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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CABLE-STAYED BRIDGE



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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EXTRADOS – ST CROIX RIVER CROSSING



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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EXISTING BRIDGE



**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



BOX GIRDER



**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



TIED ARCH



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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CABLE-STAYED



**REPLACEMENT OF THE ST ANTHONY PARKWAY
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NEXT STEPS

**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



QUESTIONS AND ANSWERS

**REPLACEMENT OF THE ST ANTHONY PARKWAY
BRIDGE OVER THE NORTHTOWN YARD**



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