5th Street Ritter Park Bridge Replacement Project
(Includes 8th Street Bridge)

State Project S306-527-2.00, Federal Project STP-0527(005)D

Cabell County, WV

Informational Workshop and Scoping Public Meeting

Tuesday, May 16, 2017 at the Tennis Center in Ritter Park, Huntington, WV

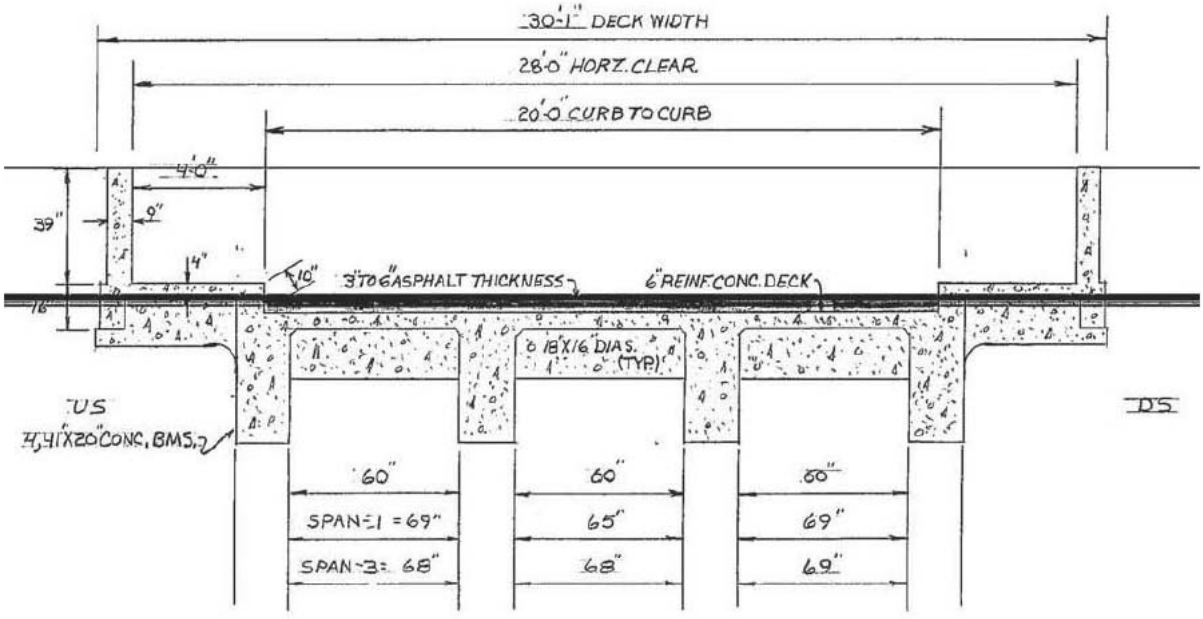
Need for and Purpose of the Project

- Both the 5th Street Bridge and 8th Street Bridge are in poor condition
- The railings have deteriorated and lost balusters
- The roadways on both bridges have no shoulders
- The sidewalks on both bridges are cracked and narrow (4 feet); 5 feet is the recommended width for Americans with Disabilities Act compliance
- 5th Street Bridge Travel lanes are narrow (10 feet)
- 5th Street has high traffic volume (11,200 vehicles per day) for the roadway's existing capacity
- 8th Street Bridge has posted 3-ton weight limit

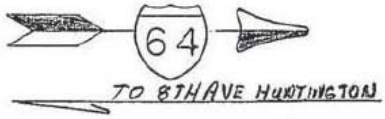
Figure 1. Photographs of the 5th Street Bridge. Left: View of deteriorating pier. Middle Top: View of missing balusters and repairs. Middle Bottom: View toward the narrow bridge from North Boulevard. Right: View

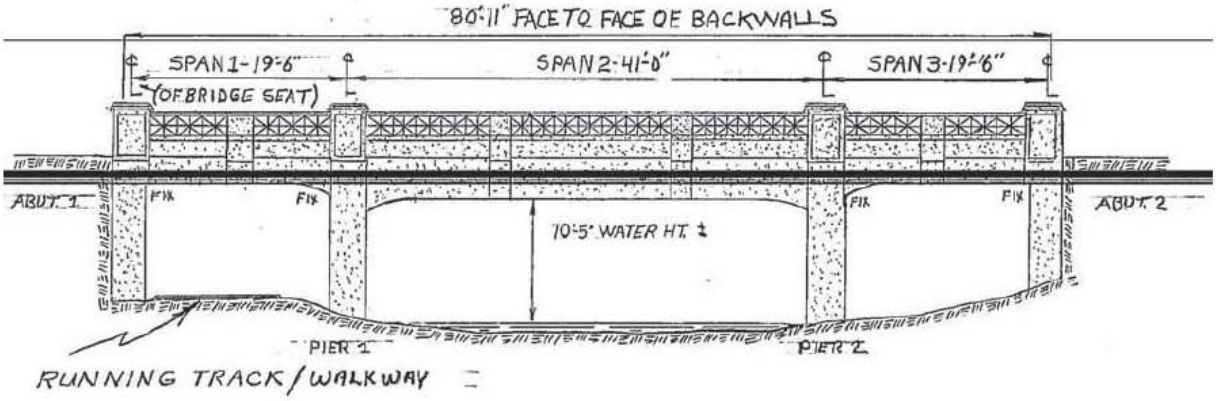
Figure 2. Photographs of the 8th Street Bridge. Left Top: View of deterioration under the bridge. Left Bottom: View across the bridge facing south. Right: View of balusters.

The purpose of the 5th Street Ritter Park Bridge Project (including 8th Street Bridge) is to replace two bridges crossing Fourpole Creek in the City of Huntington, WV with bridges that meet current design standards.



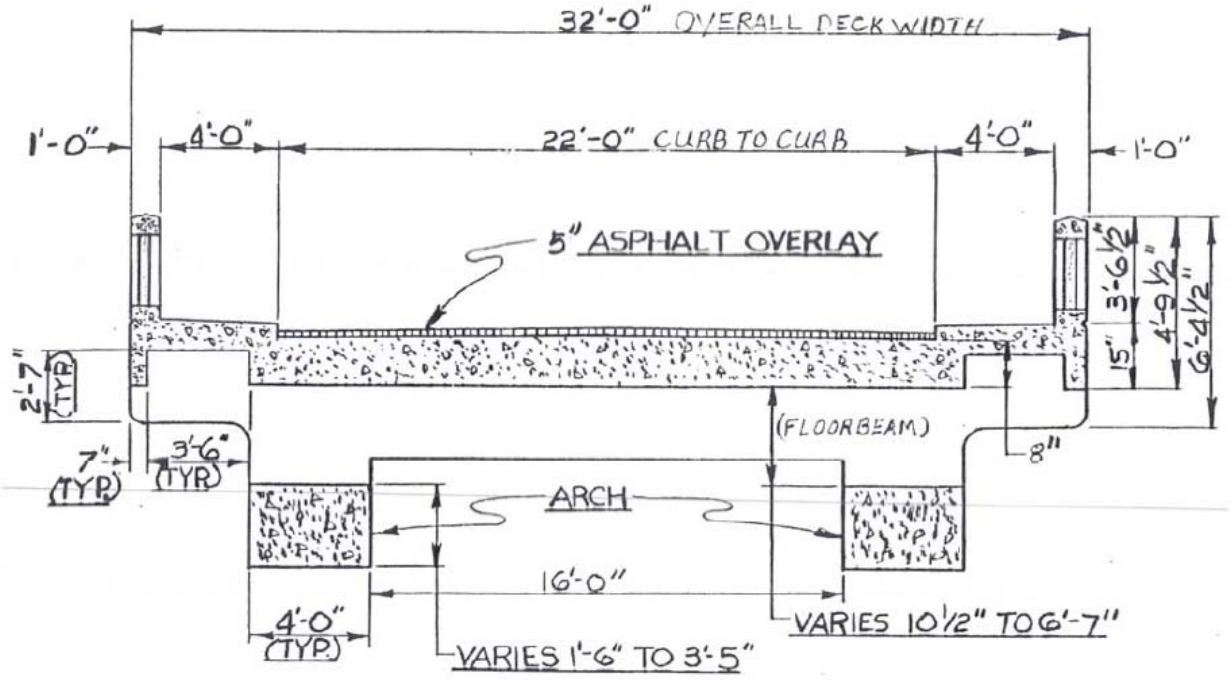
5th Street Bridge Cross Section from the 1995 Inventory Inspection Report (Revised 2007)



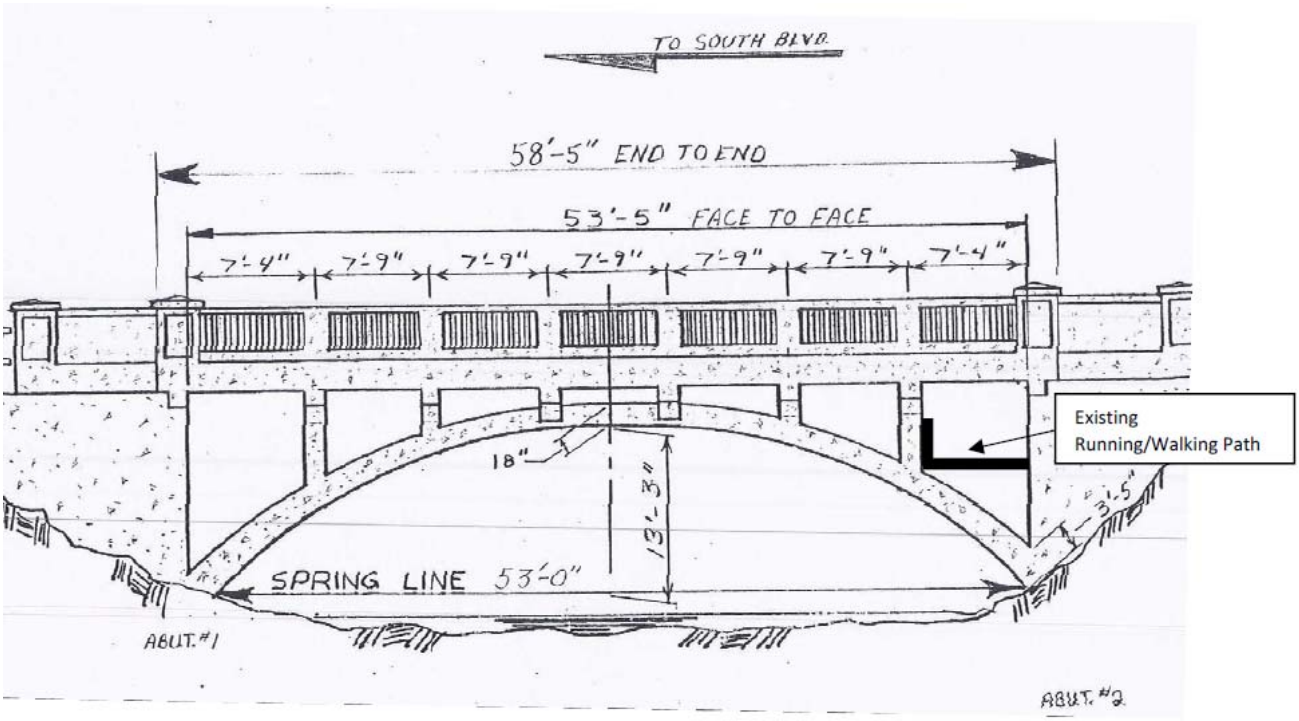


5th Street Profile from the 1995 Inventory Inspection Report (Revised 2007)

Figure 3. Plans of the existing 5th Street Bridge, depicting a cross-section from rail to rail (top) and a profile of the bridge facing west (bottom).



8th Street Bridge Cross Section from the 1991 Inventory Inspection Report



8th Street Profile from the 1991 Inventory Inspection Report

Figure 4. Plans of the existing 8th Street Bridge, depicting a cross-section from rail to rail (top) and a profile of the bridge facing west (bottom).

Project Area

The 5th Street Bridge carries WV Route 527 (5th Street) over Fourpole Creek in the City of Huntington, WV. This road is classified as an urban principal arterial and is located along a route that connects the city to an exit off Interstate 64. The bridge is 80 feet, 11 inches long and 30 feet wide with two 10-foot vehicular lanes, no shoulders, and two 4-foot wide sidewalks. It was built by the Beardslee and Melrose Construction Company in 1921. Recent bridge inspections have rated the structure as poor and recommend its replacement.

The 8th Street Bridge carries 8th Street over Fourpole Creek in Huntington, approximately 0.3 mile to the east of 5th Street. This road is classified as an urban minor arterial and is located adjacent to Ritter Park, a hub of the City's recreational activity. The bridge is 58 feet, 5 inches long and 32 feet wide with two 11-foot lanes, no shoulders, and two 4-foot wide sidewalks. It was built by the American Construction Company in 1920. Recent bridge inspections have rated the structure as poor, led to the posting of a 3-ton weight limit in 2015, and recommended its replacement.

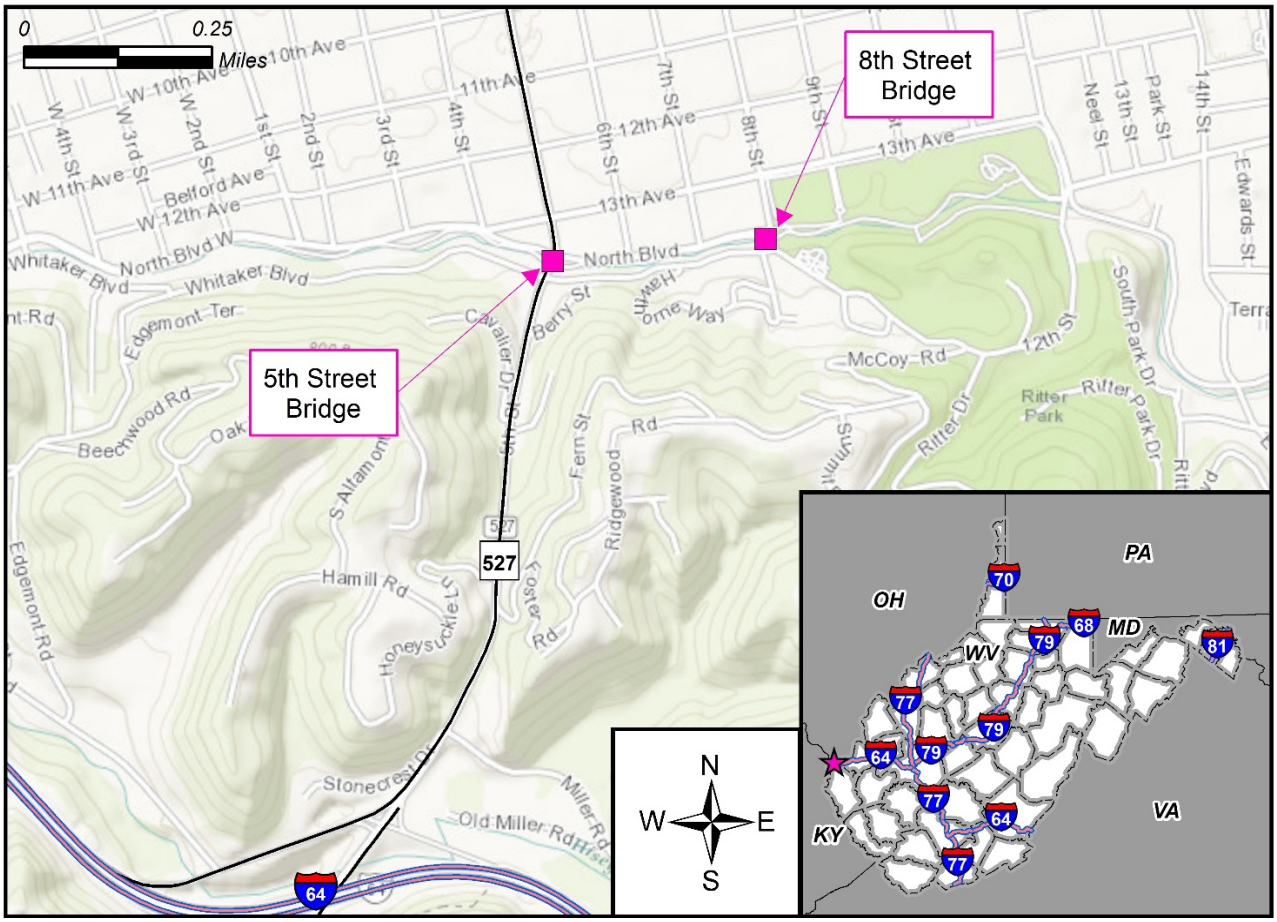


Figure 5. Project location.

Ritter Park lies to the east of the 8th Street Bridge and the Memorial Park Trail parallels North Boulevard through the project area, passing under both bridges. During bridge construction, the trail will be temporarily relocated.

Figure 6. Park and Trail within the Project Area. Left Top: View of Memorial Park Trail passing under the 8th Street Bridge. Left Bottom: View of Memorial Park Trail passing under the 5th Street Bridge. Right: View from under the 8th Street Bridge along the trail, looking toward Ritter Park. The park and trail are managed by the Greater Huntinaton Park and Recreation District.

Project Timeline

ESTIMATED TIME PERIOD*	PROJECT MILESTONE
Spring 2017	Public and Agency Scoping
Summer 2017	Environmental Analysis
Winter 2018	Approved Environmental Decision Document
Spring/Summer 2018	Right-of-Way Activities Begin
Fall 2018	Construction Begins
Late 2019	End of 8th Street Bridge Construction
Late 2020	End of 5th Street Bridge Construction

* All dates are subject to change

** Construction on the 5th Street Bridge could begin after the 8th Street Bridge construction is completed. Bridge construction will be staged to minimize interruption to traffic and to avoid the need for a detour for the 5th Street Bridge construction. The 8th Street bridge construction will require temporary bridge closure.

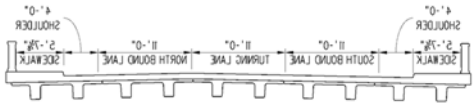
5th Street Bridge Replacement Alternatives

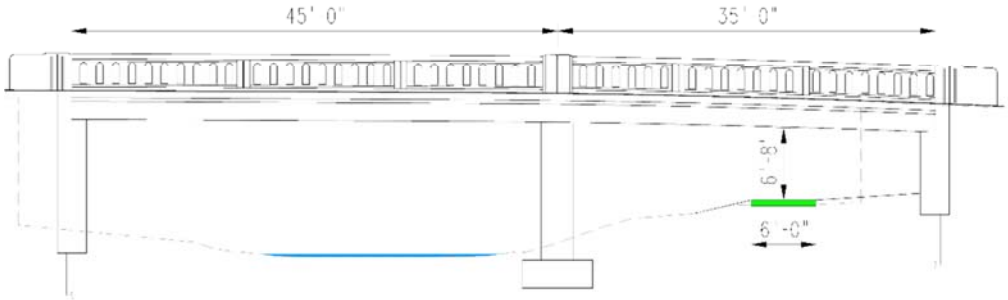
Three build alternatives have been developed, as shown below with cross-sections and profiles for each. The bridge types are different, while the overall footprints are the same. The future trail locations differ, as shown on the following page.

- Alternative 1

Bridge Type: Two Span, Prefabricated Concrete Beam

Estimated cost (subject to change): $2,553,800**

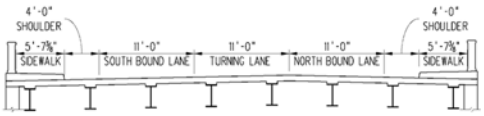


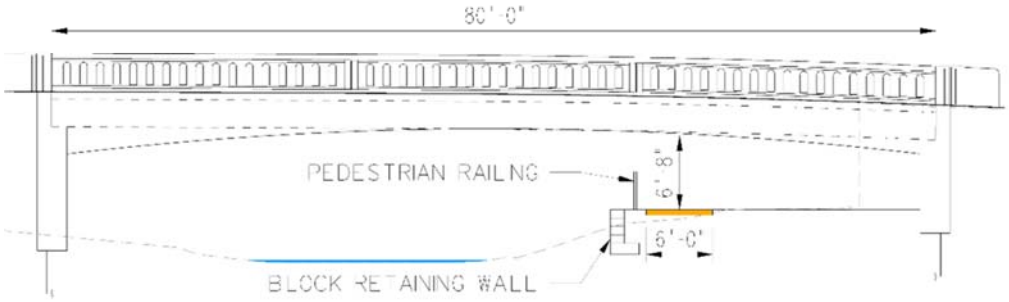


- Alternative 2 (Recommended)

Bridge Type: Single Span, Steel Girder

Estimated cost (subject to change): $2,063,400

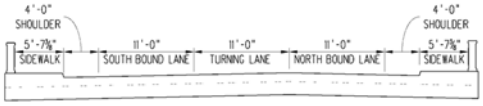


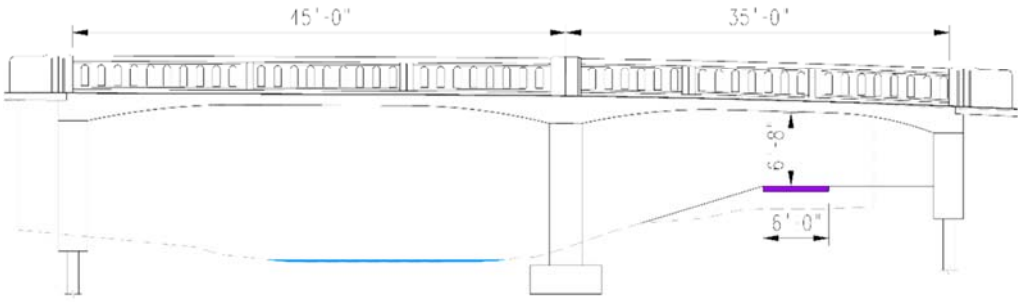


- Alternative 3

Bridge Type: Two Span, Concrete Slab

Estimated cost (subject to change): $2,532,200





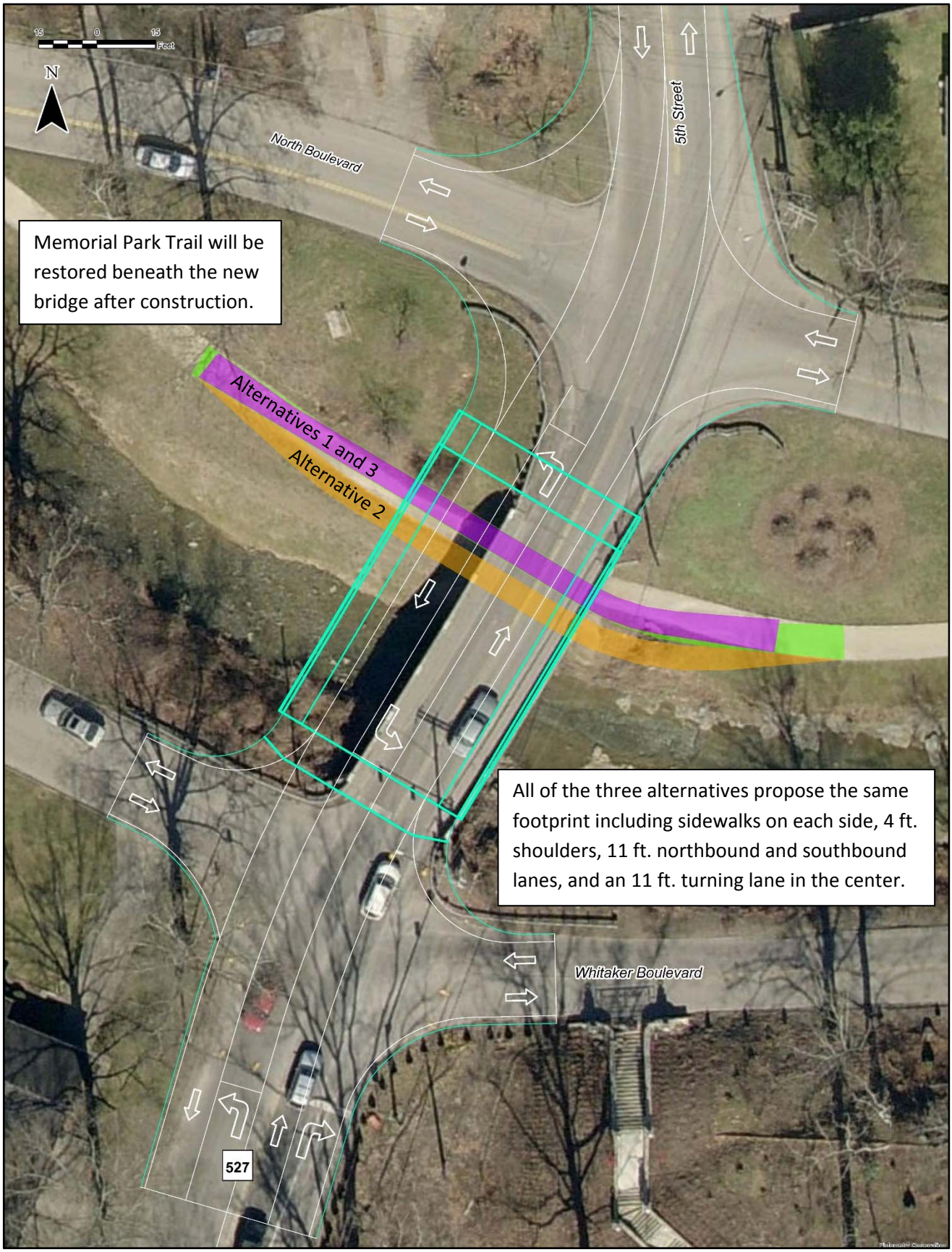


Figure 7. The proposed future location of the trail with each of the 5th Street Bridge alternatives.

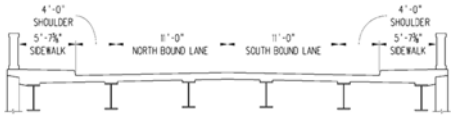
8th Street Bridge Replacement Alternatives

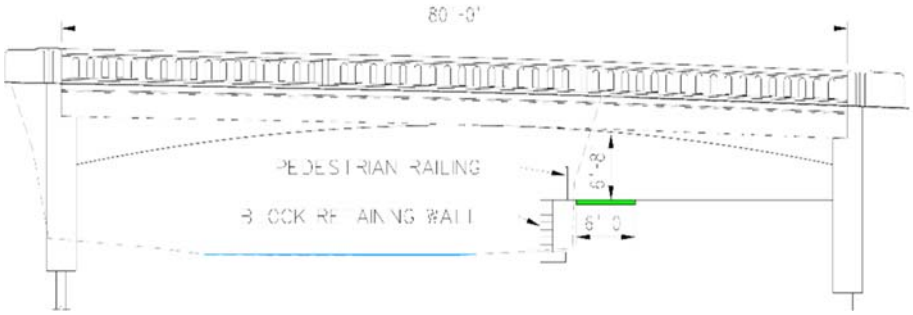
Three build alternatives have been developed, as shown below with cross-sections and profiles for each. The bridge types are different, while the overall footprints are the same. The future trail locations differ, as shown on the following page

- Alternative 1 (Recommended)

Bridge Type: Single Span, Steel Girder

Estimated cost (subject to change): $1,613,200

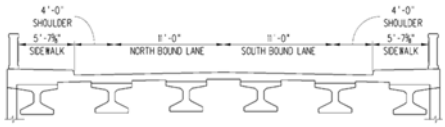


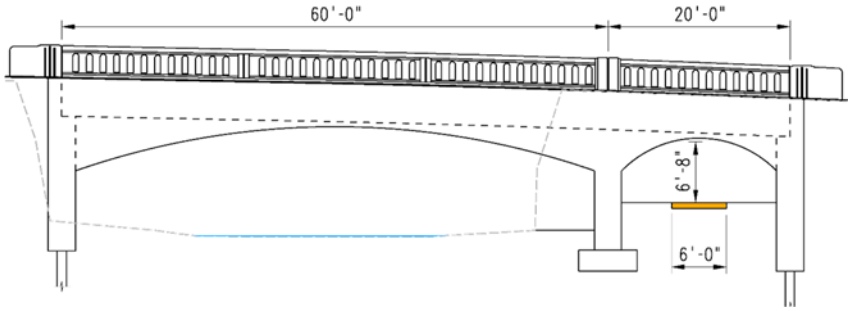


- Alternative 2

Bridge Type: Two Span, Concrete, Hybrid I-Beam

Estimated cost (subject to change): $1,839,500

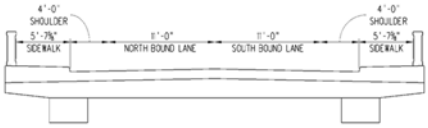


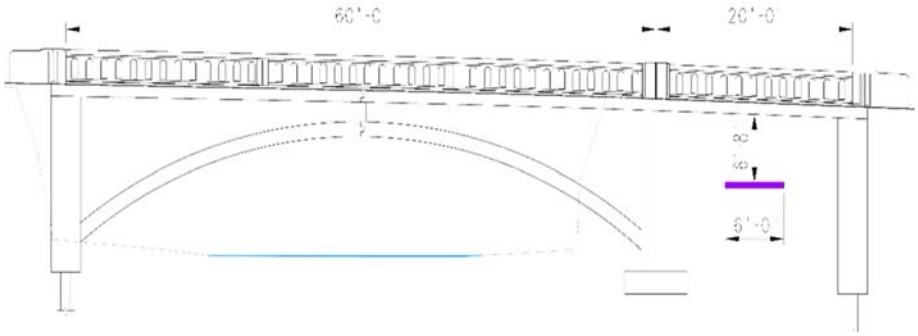


- Alternative 3

Bridge Type: Two Span, Concrete, Reinforced Arch

Estimated cost (subject to change): $2,120,700





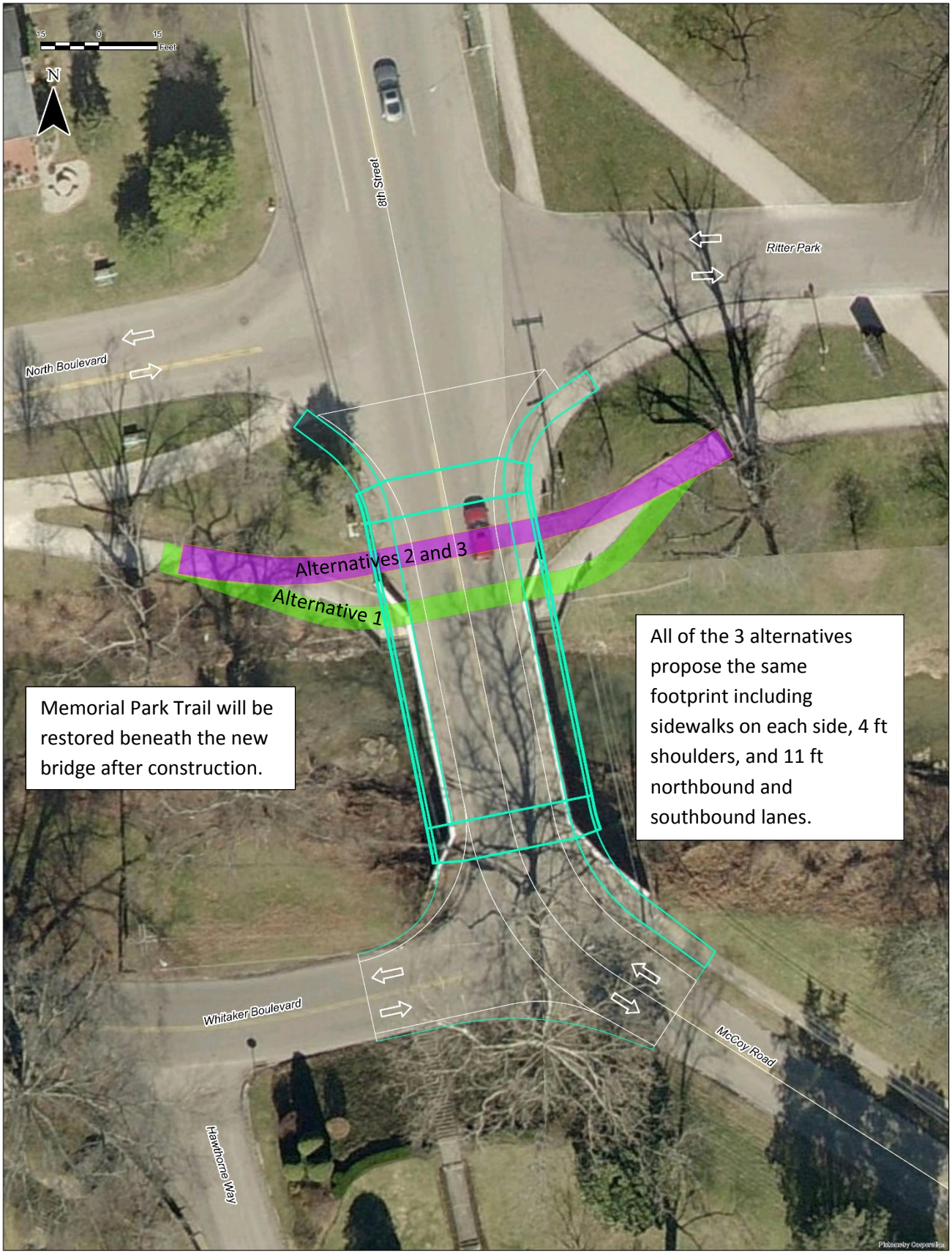


Figure 8. The proposed future location of the trail with each of the 8th Street Bridge alternatives.

DATE:

Mr. RJ Scites, P.E.
Director, Engineering Division
West Virginia Division of Highways
1334 Smith Street
Charleston, West Virginia 25301

DATE: **Tuesday, May 16, 2017**
LOCATION: **Tennis Center at Ritter Park**
SUBJECT: **INFORMATIONAL WORKSHOP PUBLIC MEETING**
PROJECT: **5th Street Ritter Park Bridge Project (Includes 8th Street Bridge)**
State Project S306-527-2.00, Federal Project STP-0527(005)D
Huntington
Cabell County

COMMENTS DUE BY **Friday, June 16, 2017**

Please consider the following comments:

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(Please print the following information)

NAME:

ADDRESS:

ORGANIZATION (IF ANY):

How did you hear about the Informational Workshop Public Meeting?

Project Information and Comment Sheets

can be found online at our WVDOH Website at http://go.wv.gov/dotcomment.

Under Engineering Projects, click Open, and then click 5th & 8th Street Bridge Projects.