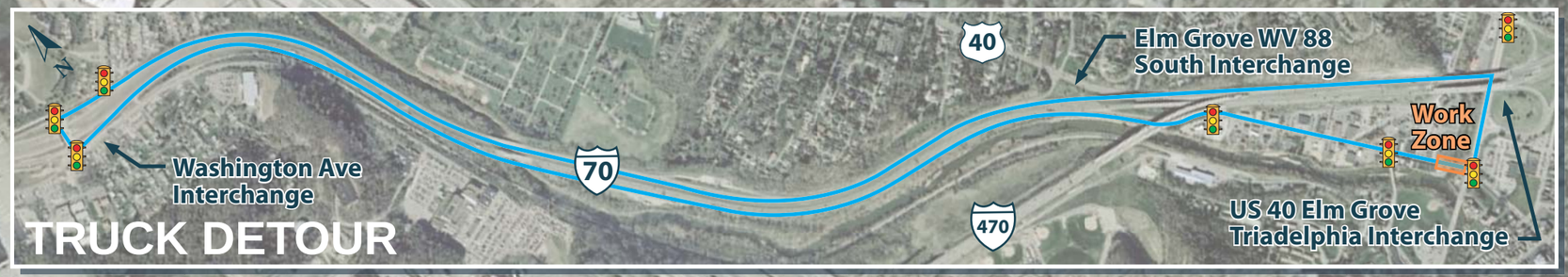
LOCAL TRAFFIC DETOUR OPTIONS



N

Little Wheeling Creek

OPTION: Temporary Connector Road/Bridge

Temporary Traffic Signal

70 Westbound

70 Eastbound

Lumber Ave

Coal Ave

Lumber Ave

I-70 WB Exit Ramp

I-70 WB Entrance Ramp

40 National Rd

JR Ave

Wheeling Creek

Monument Place Bridge

Little Wheeling Creek

40 National Rd

I-70 EB Exit Ramp

I-70 EB Entrance Ramp

OPTION: Maintain One-Lane Traffic in Work Zone

WV 88

Kruger Rd

Temporary Traffic Signal

LEGEND:

- Existing Traffic Signal
- Temporary Traffic Signal
- Detour Route
- Temporary Connector Road/Bridge
- Truck Detour Route

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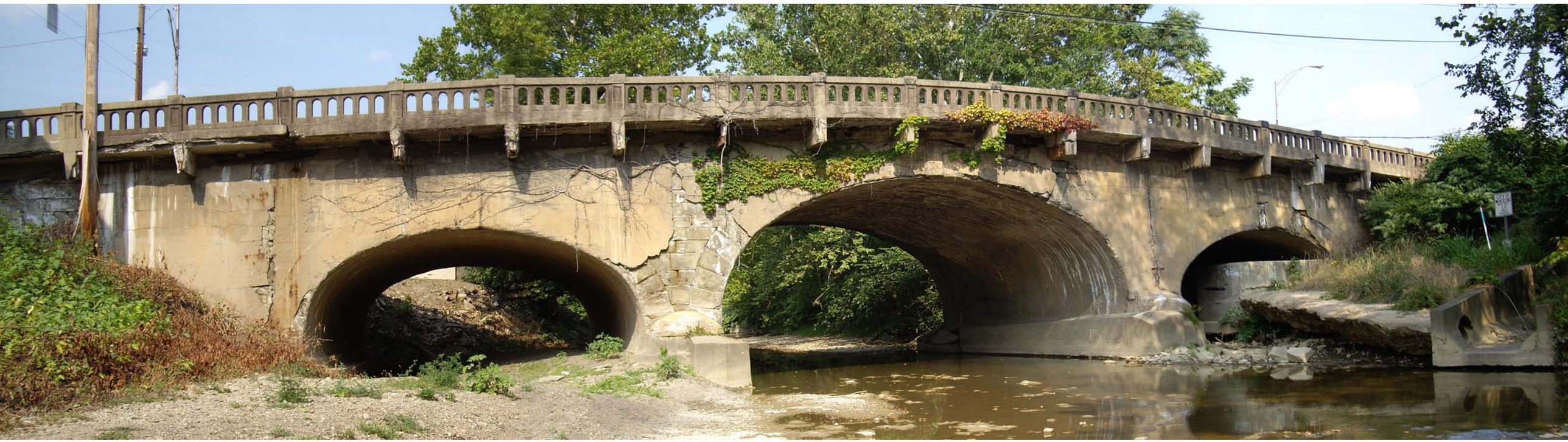
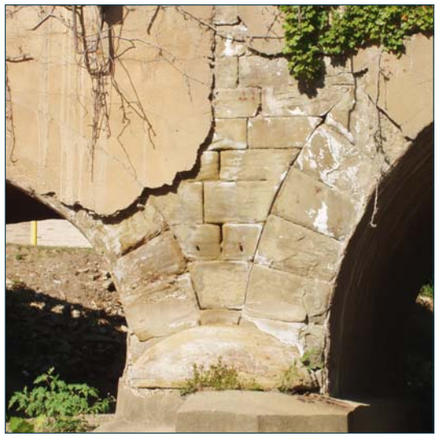
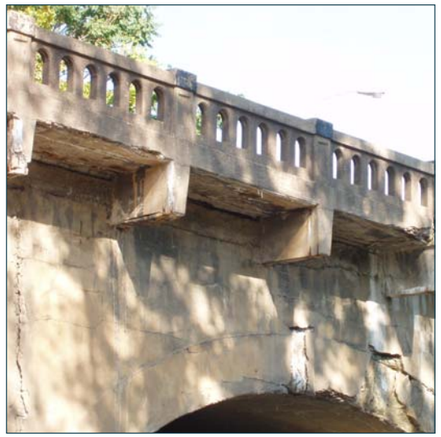
MONUMENT PLACE BRIDGE



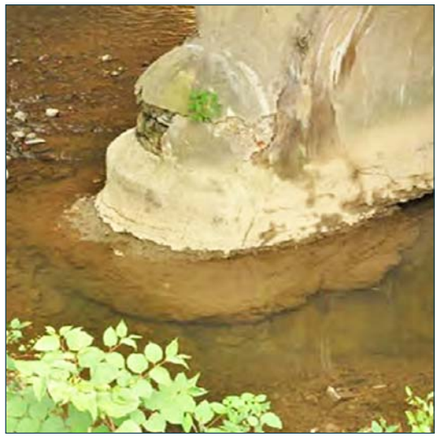
Conditional Issues



Exposed Original Stones



Overhanging Sidewalk Deterioration



Scour on Bridge Pier

History of Bridge

- Locally known as Monument Place Bridge, this bridge was constructed by Moses Shepherd in 1817 as part of the National Road. The bridge is also known as the Shepherd Bridge and Elm Grove Stone Arch Bridge.
- In 1931, the overhanging sidewalks were added.
- In 1958, a concrete veneer was applied over the stones.
- On August 21, 1981, the bridge was listed on the National Register of Historic Places (NRHP).

Existing Conditions

- Existing traffic volume is 12,850 vehicles per day.
- Bridge has a posted weight limit of 16 tons for single-unit trucks and 32 tons for tractor trailer trucks.
- Concrete veneer is delaminating, exposing the underlying original stones.
- There is a loss of mortar between the exposed stones.
- The overhanging sidewalk is showing signs of deterioration.

Project Schedule

- **July 2, 2012** - All public comments due to WVDOH.
- **Summer 2012** - Begin environmental studies.
- **Fall 2012** - Additional Public Meetings for Environmental Document.
- **2013 and Beyond** - Final Design of Preferred Alternative and Construction.

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BUILD ALTERNATIVES

	Sidewalks	Three 12' Lanes	Two 12' Lanes	Detour	Construction Cost Estimate
No Build (existing bridge)	YES	X	-	-	*
Alternative 1A	YES	X	-	YES	$4,278,000
Alternative 1B	YES	X	-	YES	$3,024,000
Alternative 2	YES	X	-	YES	$3,762,000
Alternative 3	YES	X	-	YES	$4,837,000
Alternative 4	NO	-	X	NO	$3,146,000
Alternative 5	Eliminated from further consideration				

*The maintenance costs over time will significantly increase as the structure continues to deteriorate.

Alternatives 1, 2, and 3 – Rehabilitate the existing bridge in its current location. Method and level of rehabilitation varies by alternative.

Alternative 4 – Construct a new bridge over Little Wheeling Creek to the northeast of its existing location. Local roads would be upgraded to accommodate the traffic.

Alternative 5 – Construct a new bridge over Little Wheeling Creek to the southwest of its existing location.

N

70 Westbound

70 Eastbound

Lumber Ave

Coal Ave

Alternative 4

I-70 WB Exit Ramp

I-70 WB Entrance Ramp

40 National Rd

JR Ave

Wheeling Creek

Little Wheeling Creek

Monument Place Bridge

I-70 EB Exit Ramp

I-70 EB Entrance Ramp

Alternative 5
(Eliminated from further consideration)

WV 88

Kruger Rd

Alternatives 1, 2 and 3

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