

Informational Workshop Public Meeting

I-64 Six-Lane Widening Crooked Creek to Nitro Putnam County, WV



**West Virginia Department of Transportation
Division of Highways in cooperation with the Federal
Highway Administration**

**State Project U340-64-41.37
Federal Project NH-0641(318)**



**Rock Branch Elementary School
4616 1st Avenue
Nitro, WV
Tuesday, May 17, 2016
4:00pm to 7:00pm**

**I-64 Six-Lane Widening
Crooked Creek to Nitro
STATE PROJECT U340-64-41.37
FEDERAL PROJECT NH-0641(318)**

PURPOSE OF TODAY'S MEETING

The purpose of this Informational Workshop Public Meeting is to make available the approved Environmental Assessment and provide information on preferred Downstream Alternate 4 for the I-64 Six-Lane Widening Project located in Putnam County. This project includes the construction of a new bridge across the Kanawha River between the St. Albans and Nitro Interchanges.

Environmental studies have been conducted by the WVDOH in conjunction with the Federal Highways Administration (FHWA) to fulfill requirements set forth in the National Environmental Policy Act of 1969 (NEPA) and Section 106 of the National Historic Preservation Act. Today's meeting will present the approved Environmental Assessment (EA) and also other project related information. Copies of the EA are available upon request.

WVDOH Right-of-Way representatives are available to answer your questions regarding any right-of-way acquisitions.

PROJECT DESCRIPTION

The I-64 Widening and Improvement Project will complete the six-lane typical section for I-64 between the US 35 Interchange to the west and the Nitro Interchange to the East. The project includes the construction of a bridge parallel to the existing Donald M. Legg Memorial Bridge across the Kanawha River.

The Donald M. Legg Memorial Bridge carries Interstate Route 64 over the Kanawha River, WV Route 817, and the CSX Railroad, is a three-span through cantilever truss bridge built in 1962. The overall length of the bridge is approximately 1400 feet with a 562.5-foot long main span. The bridge accommodates four (4) lanes of interstate traffic.

There are two interchanges, St. Albans (Exit 44) and Nitro (Exit 45), which will be affected by the proposed construction. The St. Albans Interchange connects to WV 817. The Nitro Interchange connects to WV 25 or 1st Avenue in Nitro.

The 2013 I-64 annual average daily traffic volume is estimated at 69,500 vehicles per day. The projected 2033 volume is estimated at 101,400 vehicles per day under the build or no build alternative.

Eight (8) alternatives were developed to meet the capacity, traffic operations, and safety needs of the project while continuing to support growth and economic development within the project area.

All of the alternatives include the western widening section, which utilizes the median to provide an additional lane in each direction. The Nitro interchange will be adjusted to accommodate the six-lane interstate, but will retain its current partial cloverleaf configuration.

The development of the eight (8) alternatives addressed building a new four-lane bridge either upstream or downstream from the existing bridge. They also addressed a reconfiguration of the existing St. Albans Interchange to provide a more efficient flow of traffic. All of the alternatives provide an auxiliary lane between the St. Albans and Nitro interchanges. This lane allows a safer merge condition by providing a dedicated lane to accommodate entrance and exit ramp traffic.

As a result of the environmental studies and comments from the previous public workshop on May 20, 2013, Downstream Alternate 4, which is a flyover interchange configuration, was chosen as the Preferred Alternative and provides a free-flow traffic configuration. It greatly reduces the potential for backups when compared to the existing interchange, because it eliminates two stop controlled movements.

The configuration includes a flyover bridge for the westbound exit ramp located approximately 75 feet west of the existing overpass bridge. The eastbound entrance ramp includes a flyover located about 500 feet east of the existing overpass bridge. Eastbound exiting traffic will be accommodated by a 700-foot deceleration lane, and westbound entrance traffic will be accommodated by a 1,500-foot acceleration lane. The westbound exiting traffic and the eastbound entrance traffic will be accommodated by the proposed auxiliary lanes.

Alternative 4 has the least construction impacts because the flyover ramps have a greater offset from the mainline interstate. A significant portion of the project can be constructed without affecting traffic. The western widening section, and the Nitro Interchange will require traffic phasing to accommodate the proposed construction. Any lane closures on the interstate will be allowed only during night-time hours between 8:00 pm and 6:00 am.

Downstream Alternate 4 requires 312,601 square feet of controlled access ROW, 8,991 square feet of non-controlled access ROW and 11,515 square feet of temporary construction easements. **Total project cost is \$125 million**

CURRENT PROJECT SCHEDULE

- Public Information Workshop.....May 17, 2016**
- Public Meeting Comments Due By.....June 21, 2016**
- *Current Environmental Clearance/FHWA NEPA Document
Approval.....Summer 2016**
- *Right of way acquisition to begin.....Fall 2016**
- *Expected Construction Start Date.....Spring 2017**

***Dates are subject to change**

COMMENTS

Please send written comments on or before Tuesday, June 21, 2016 to:

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

Project Information and Comment Sheets can be found online at our web page:

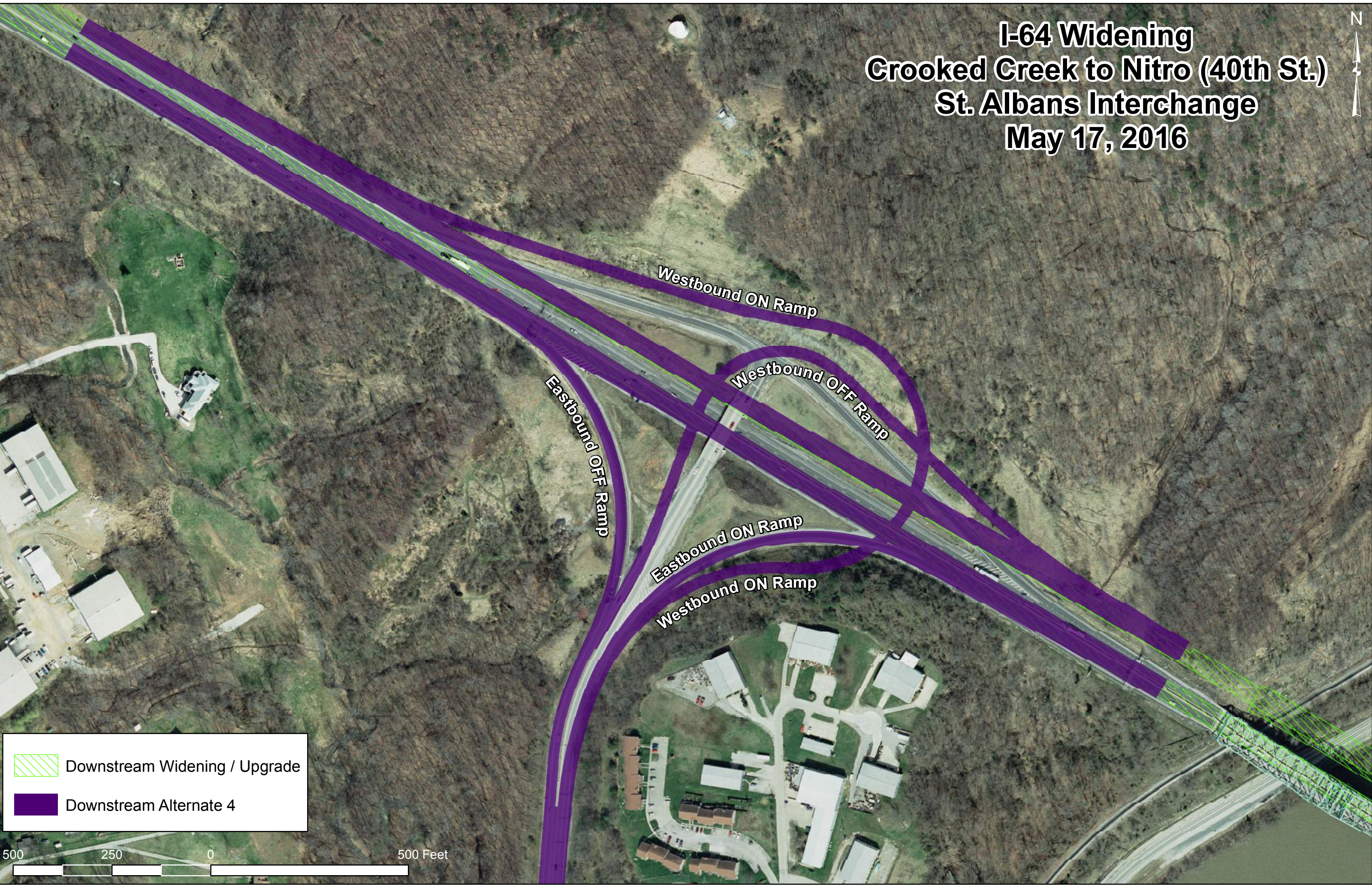
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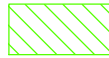
**Click on “Comment on Engineering Project”, then “Open”,
And then click on “I-64 Widening and Improvements”.**


Date: May 17, 2016

I-64 Widening and Improvements, Preferred Alternative Impact Listing		
Impact Category	Downstream Alternate 4	
Engineering		
Prelim. Length of Improvements	Feet	20,011
	Miles	3.79
Roadway Configuration	6- (12' Lanes) - 6.85' Inside Shoulders - 10' Outside Paved Shoulders - 12' Total Shoulder Width	
Bridge Configuration	Eastbound (Existing Bridge)	4 (12' Lanes) 3-thru lanes 1-auxiliary lane.
	Westbound (Proposed Bridge)	4 (12' Lanes) 3-thru lanes 1-auxiliary lane.
Horizontal Geometry (Minimum Radius Used) 70 mph Design Speed	2291'	
Design Exceptions Required	6.85' Median Shoulder Width (12' recommended)	
	469' Stopping Sight Distance (730' recommended)	
Bridge Geometry (Length/Width)	Existing Bridge = 1400' bridge length, 562.5' Main Span with 375' anchor spans, and an additional 78' east approach span. Existing Bridge Clear Width = 64. 25', New Bridge Clear Width = 66'	
Financial / Costs		
Estimated Project Costs	\$125 Million	
Traffic Operations		
Number of Local Roadways Severed	None	
Safety Constraints / Impacts	Improves Safety with the addition of an auxiliary lane between the St. Albans and Nitro Interchanges and eliminating stop conditions at the St. Albans Interchange.	
Human Environment		
Historic Resource Impacts	No Adverse effect on Historic Resources	
Archaeological Sites	No Adverse effect on Archaeological Sites	
Surface Water Resources	2365 LF of Streams, 0.08 Acres of Wetlands	
Industrial Facilities Impacts (e.g. Chemical Plant)	0	
Commercial Facilities Impacts (e.g. Businesses)	0	
Residential Displacement (# houses)	0	
Billboard (# structures)	0	
Physical Impacts		
Potential Hazard Waste Site(s)	Project will be contained within existing R/W in vicinity of Nitro Solutia Site	
Major (Public) Utility Conflicts / Impacts	No	
Railroad Involvement	CSX Transportation is located under the Kanawha River Bridge	

**I-64 Widening
Crooked Creek to Nitro (40th St.)
St. Albans Interchange
May 17, 2016**



 Downstream Widening / Upgrade

 Downstream Alternate 4







I-64 Widening Crooked Creek to Nitro (40th St.) Preferred Alternative May 17, 2016



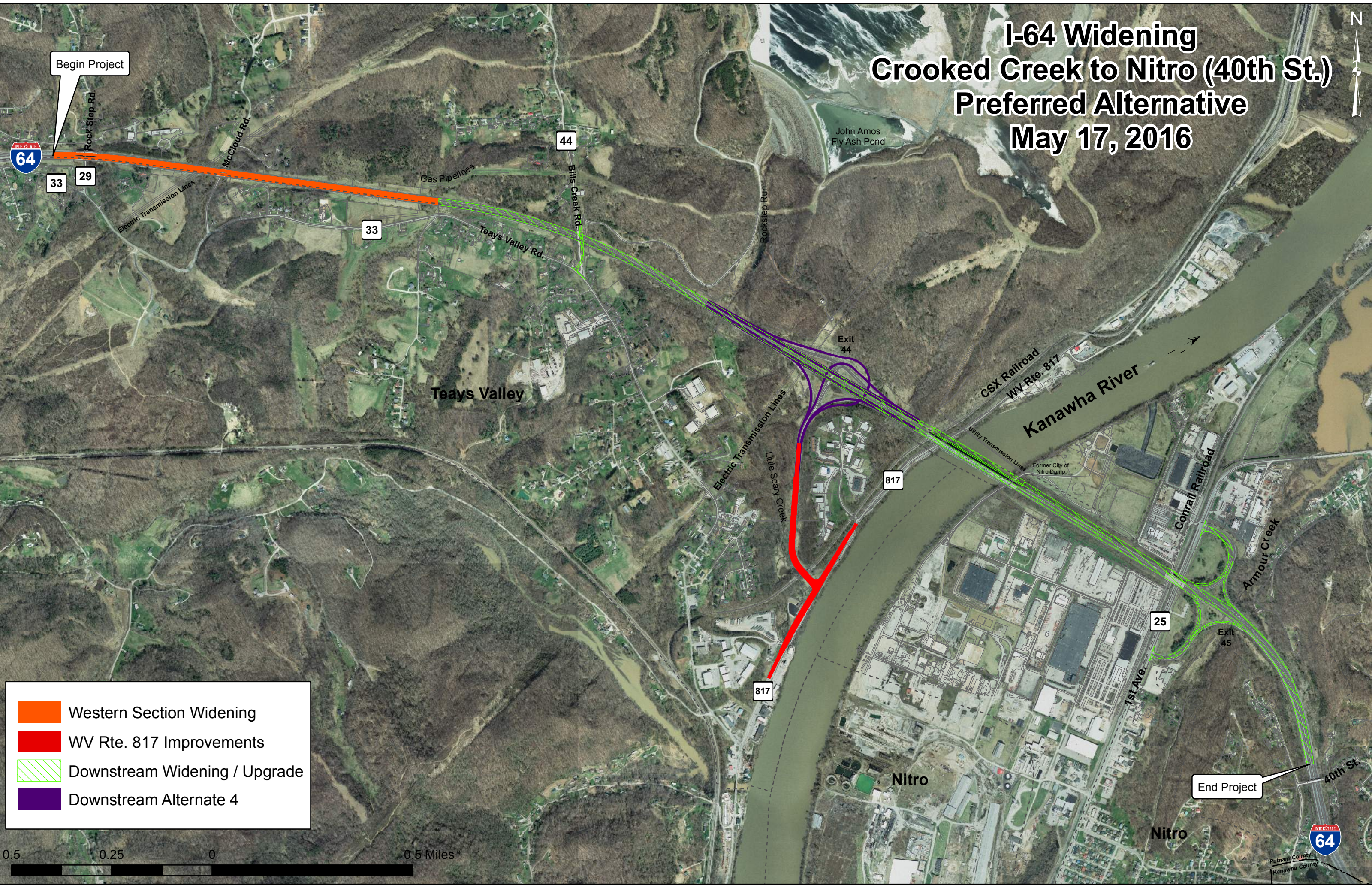
Begin Project

End Project

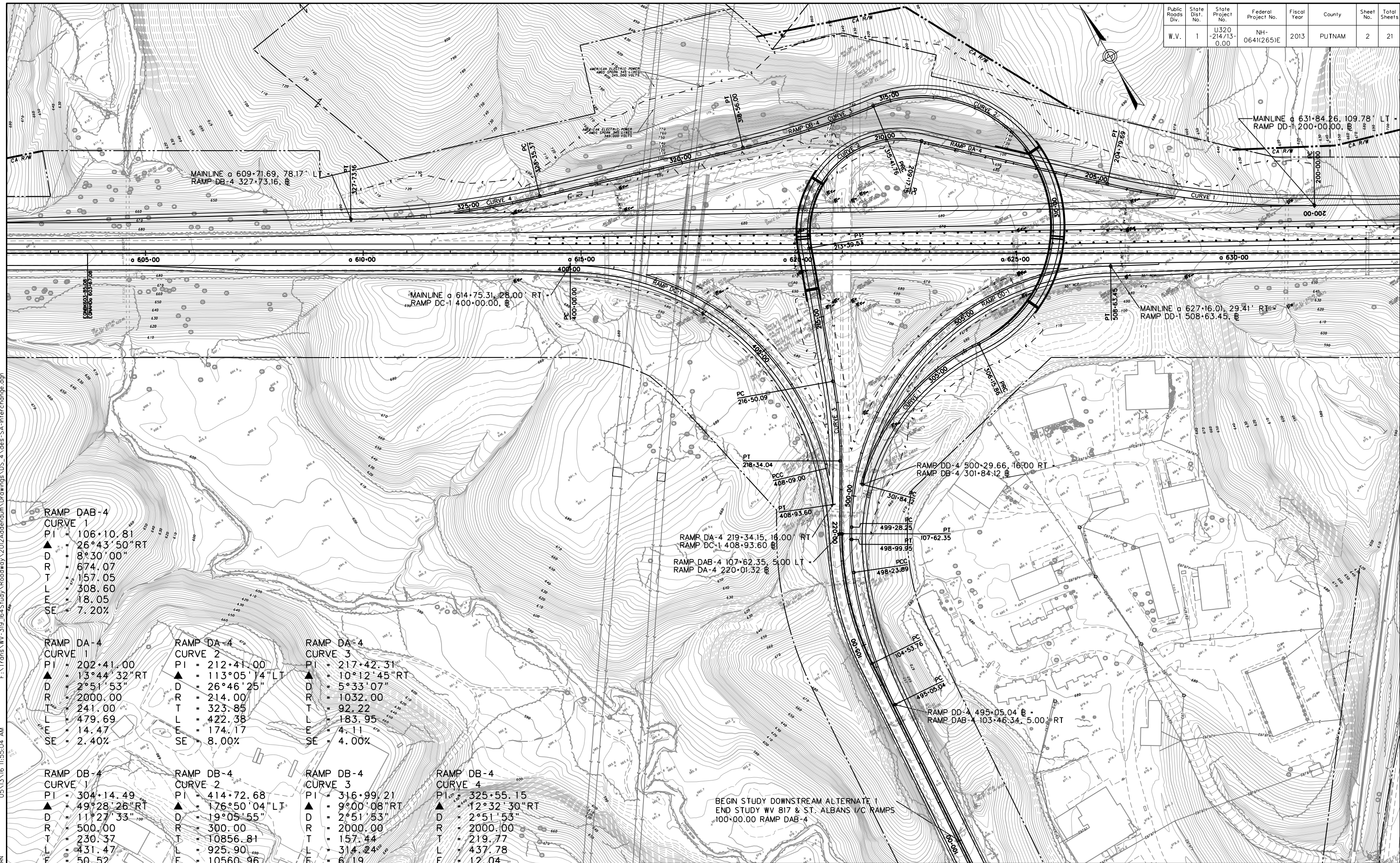


-  Western Section Widening
-  WV Rte. 817 Improvements
-  Downstream Widening / Upgrade
-  Downstream Alternate 4

0.5 0.25 0 0.5 Miles



Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	1	U320-214/13-0.00	NH-0641(265)E	2013	PUTNAM	2	21



RAMP DAB-4
CURVE 1
PI = 106+10.81
▲ = 26°43'50" RT
D = 8°30'00"
R = 674.07
T = 157.05
L = 308.60
E = 18.05
SE = 7.20%

RAMP DA-4
CURVE 1
PI = 202+41.00
▲ = 13°44'32" RT
D = 2°51'53"
R = 2000.00
T = 241.00
L = 479.69
E = 14.47
SE = 2.40%

RAMP DA-4
CURVE 2
PI = 212+41.00
▲ = 113°05'14" LT
D = 26°46'25"
R = 214.00
T = 323.85
L = 422.38
E = 174.17
SE = 8.00%

RAMP DA-4
CURVE 3
PI = 217+42.31
▲ = 10°12'45" RT
D = 5°33'07"
R = 1032.00
T = 92.22
L = 183.95
E = 4.11
SE = 4.00%

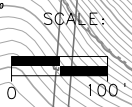
RAMP DB-4
CURVE 1
PI = 304+14.49
▲ = 49°28'26" RT
D = 11°27'33"
R = 500.00
T = 230.37
L = 431.47
E = 50.52
SE = 6.20%

RAMP DB-4
CURVE 2
PI = 414+72.68
▲ = 176°50'04" LT
D = 19°05'55"
R = 300.00
T = 10856.81
L = 925.90
E = 10560.96
SE = 7.60%

RAMP DB-4
CURVE 3
PI = 316+99.21
▲ = 9°00'08" RT
D = 2°51'53"
R = 2000.00
T = 157.44
L = 314.24
E = 6.19
SE = 2.40%

RAMP DB-4
CURVE 4
PI = 325+55.15
▲ = 12°32'30" RT
D = 2°51'53"
R = 2000.00
T = 219.77
L = 437.78
E = 12.04
SE = 2.40%

BEGIN STUDY DOWNSTREAM ALTERNATE 1
END STUDY WV 817 & ST. ALBANS I/C RAMPS
100+00.00 RAMP DAB-4



REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAN SHEET
DOWNSTREAM ALTERNATE 4

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05/13/16 11:55:04 AM
PLOTFILE: PLN-001.PRN

DATE:

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

DATE: Tuesday, May 17, 2016
LOCATION: Rock Branch Elementary School
SUBJECT: INFORMATIONAL WORKSHOP PUBLIC MEETING
PROJECT: I-64 Six-Lane Widening
U340-64-41.37
NH-0641(318)
Putnam County

COMMENTS DUE BY Tuesday, June 21, 2016

Please consider the following comments:

(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, Open, and then click I-64 Widening.