



COMMONWEALTH of VIRGINIA

Commonwealth Transportation Board

Shannon Valentine
Chairperson

1401 East Broad Street
Richmond, Virginia 23219

(804) 786-2701
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Agenda item # 7

RESOLUTION OF THE COMMONWEALTH TRANSPORTATION BOARD

February 21, 2018

MOTION

Made By: Mr. Rosen, Seconded By: Mr. Stinson
Action: Motion Carried, Unanimously

Title: Limited Access Control Changes (LACCs)
I-81 Northbound & Southbound Auxiliary Lane Extension
County of Roanoke

WHEREAS, on October 4, 1956, the State Highway Commission, predecessor to the Commonwealth Transportation Board (CTB), designated the Interstate Highway System, including I-81, to be Limited Access Highways in accordance with then Article 3, Chapter 1, Title 33 of the Code of Virginia of 1950, as amended, and established the limited access line locations and limits as “the final locations of said routes, including all necessary grade separations, interchanges, ramps, etc.”; and

WHEREAS, the proposed I-81 Auxiliary Lane Extension, State Highway Project 0081-080-903, P101, R-201, C-501 & 0081-080-912 (“Project”) will alleviate congestion and provide for safer northbound and southbound merge movements between exits 141 and 143 on the northbound and southbound I-81; and

WHEREAS, the County of Roanoke held a Design Public Hearing at the Northside High School at 6758 Northside High School Road, Roanoke, Virginia 24019 on November 14, 2017, between 4:30 pm and 6:30 pm for the purpose of considering the proposed Project; and

WHEREAS, proper notice of the Design Public Hearing was given in advance, and all those present were given a full opportunity to express their opinions and recommendations for or against the proposed project as presented, their statements being duly recorded; and

WHEREAS, VDOT performed the Traffic Analysis and the Salem District has reviewed and approved the traffic analysis report completed December 2016 and found that it adequately addresses the impacts from the Project and the proposed change to the limited access controls; and

WHEREAS, the Project is located within an attainment area for all of the National Ambient Air Quality Standards (NAAQS), per the Air Report, completed by VDOT October 31, 2017; and

WHEREAS, the Chief Engineer has determined that the proposed change will not adversely affect the safety or operation of the highways; and

WHEREAS, the economic, social and environmental effects of the proposed Project have been duly examined and given proper consideration and this evidence, along with all other, has been carefully reviewed; and

WHEREAS, the proposed Project is in compliance with National Environmental Policy Act (NEPA) requirements and a Categorical Exclusion (CE) has been developed in cooperation with the Federal Highway Administration and in accordance with federal guidelines; and

WHEREAS, the proposed Project is supported by the Board of Supervisors of Roanoke County as noted in a Resolution dated September 22, 2015 for the I-81 Northbound Auxiliary Lane and another Resolution dated September 13, 2016 for the I-81 Southbound Auxiliary Lane; and

WHEREAS, the FHWA has provided approval for the Project and the proposed LACC in a letter dated January 16, 2018; and

WHEREAS, the Department has reviewed the requested change and determined that all requirements of 24 VAC 30-401-20 have been met.

NOW, THEREFORE, BE IT RESOLVED, in accordance with §33.2-401 of the *Code of Virginia* and Title 24, Agency 30, Chapter 401 of the *Virginia Administrative Code*, that the CTB hereby finds and concurs in the determinations and recommendations of VDOT made herein, and directs that the I-81 from Exit 141 to Exit 143 interchange continue to be designated as a limited access control area, with the boundaries of limited access control being modified as noted in the Exhibits and Limited Access Points Table.

Resolution of the Board
Proposed Limited Access Control Changes
I-81 Northbound and Southbound Auxiliary Lane Extension
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BE IT FURTHER RESOLVED, the Commissioner of Highways is authorized to take all actions and execute any and all documents necessary to implement such changes.

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CTB Decision Brief
Proposed Limited Access Control Changes (LACCs)
Interstate 81 Northbound & Southbound Auxiliary Lane Extension
Project 0081-080-903, P101, R201, C501 & 0081-080-912;
UPC 108906
Roanoke County

Issues: The area designated as limited access previously approved for Interstate 81 between exits 141 and 143 in Roanoke County needs to be modified to accommodate the addition of an auxiliary lane on both the north and south bound sides of the highway. The proposed Project will alleviate congestion and provide for safer northbound and southbound merge movements between exits 141 and 143 on Interstate 81. These changes require the approval of the Commonwealth Transportation Board (“CTB”).

Facts:

- The north bound auxiliary lane will connect the exit 141 on-ramp directly to the exit 143 off-ramp and will be constructed along, and adjacent to, the exiting outside through lane. The southbound auxiliary lane will extend the exit 143 ramp and become the new inside through lane. The southbound auxiliary lane will extend the exit 143 on ramp and become the new inside through lane. The existing outside through lane will become an exit only lane that will end at the exit 141 off ramp.
- The County of Roanoke held a Design Public Hearing at the Northside High School at 6758 Northside High School Road, Roanoke, Virginia 24019 on November 14, 2017, between 4:30 pm and 6:30 pm for the purpose of considering the proposed I-81 Auxiliary Lane Extension, State Highway Project 0081-080-903, P101, R-201, C-501 & 0081-080-912 (“Project”).
- Proper notice of the Design Public Hearing was given in advance, and all those present were given a full opportunity to express their opinions and recommendations for or against the proposed project as presented, their statements being duly recorded
- VDOT performed the Traffic Analysis and the Salem District has reviewed and approved the traffic analysis report completed December 2016 and found that it adequately addresses the impacts from the development and the proposed change to the limited access controls.
- The Project is located within an Attainment area for all of the National Ambient Air Quality Standards (NAAQS), completed by VDOT October 31, 2017.
- The Chief Engineer has determined that the proposed change will not adversely affect the safety or operation of the highways.
- The economic, social, and environmental effects of the proposed Project have been duly examined and given proper consideration, and this evidence, along with all other has been carefully reviewed.
- The Project is in compliance with National Environmental Policy Act (NEPA) requirements and a Categorical Exclusion (CE) has been developed in cooperation with the Federal Highway Administration and in accordance with federal guidelines.
- The proposed project is supported by the Board of Supervisors of Roanoke County as noted in a Resolution dated September 22, 2015 for the I-81 Northbound Auxiliary Lane and another Resolution dated September 13, 2016 for the I-81 Southbound Auxiliary Lane.

CTB Decision Brief
Proposed Limited Access Control Changes
I-81 Northbound and Southbound Auxiliary Lane Extension
County of Roanoke
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- The FHWA has provided approval for the Project and the proposed LACC in a letter dated January 16, 2018.
- The proposed LACC is in compliance with the polices and requirements of the CTB contained in Title 24, Agency 30, Chapter 401 of the *Virginia Administrative Code*.

Recommendations: It is recommended that, pursuant to §33.2-401 of the *Code of Virginia* and Title 24, Agency 30, Chapter 401 of the *Virginia Administrative Code*, that the CTB (i) find and concur in the determinations and recommendations of VDOT made herein; (ii) direct that I-81 from Exit 141 to Exit 143 interchange continue to be designated as a limited access control area with the boundaries of limited access control being modified as noted in the Exhibits and Limited Access Points Table.

Action Required by CTB: The Code of Virginia requires a majority vote of the CTB to approve the recommended LACC. The CTB will be presented with a resolution for a formal vote to approve the change in limited access control for the proposed Project and to provide the Commissioner of Highways the requisite authority to take all actions and execute all documents necessary to implement the LACC.

Result, if approved: The Commissioner of Highways will be authorized to take all actions and execute any and all documents needed to comply with the resolution, and the improvements in State Highway Project 0081-080-903, P101, R201, C501 & 0081-080-912 will move forward.

Options: Approve, Deny, or Defer.

Public Comments/Reactions: There were 26 comments in regard to the public hearing, 22 were in favor of the project and 2 were opposed, 2 did not note any preference for or against the project. 9 approved of the sound wall and 2 disapproved of the sound wall.



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219 2000

Stephen Brich
Commissioner

February 1, 2018

The Honorable Shannon Valentine
The Honorable Stephen C. Brich, P. E.
The Honorable Jennifer Mitchell
The Honorable Jerry L. Stinson II
The Honorable Henry "Hap" Conners, Jr.
The Honorable Mary H. Hynes
The Honorable Alison DeTuncq
The Honorable Gary Garczynski
The Honorable Carlos M. Brown
The Honorable Stephen A. Johnsen
The Honorable F. Dixon Whitworth, Jr.
The Honorable E. Scott Kasprowicz
The Honorable Court G. Rosen
The Honorable Marty Williams
The Honorable John Malbon
The Honorable Greg Yates

Subject: Approval of Limited Access Control Changes (LACCs) for I-81 Northbound and Southbound Auxiliary Lanes between Exits 141 and 143 in Roanoke County.

Dear Commonwealth Transportation Board Members:

The Department initiated the above request for limited access control changes for your consideration. The proposed limited access control changes shown above on the plans for State Project 0081-080-903, P101, R201, C501 & 0081-080-912; UPC 108906 have been determined as a necessary design feature and approved by the Department's staff in conjunction with the proposed improvements on Interstate 81 to provide congestion relief through capacity improvements on Interstate 81 between Exits 141 and 143 in the County of Roanoke as part of said Project to serve the traveling public.

I have reviewed the Department's staff recommendations and determined that approving this modification of the limited access control will not adversely affect the safety or operation of the affected highway network. I have determined that this request should be considered by the Board.

Sincerely,

A handwritten signature in black ink that reads "Garrett W. Moore".

Garrett W. Moore, P.E.
Chief Engineer



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219 2000

Charles A. Kilpatrick, P.E.
Commissioner

January 16, 2018

Ms. Jessie Yung, P.E.
Division Administrator
Federal Highway Administration
400 N. 8th Street Room 750
Richmond, Virginia 23240-0249

Attention Ms. Janice L. Williams

Interstate I-81
Northbound & Southbound Auxiliary Lane Extension Project
Project #'s: 0081-080-903 & 0081-080-912
Federal Project #:NHPP-081-2(302)
UPC #'s: 108906 & 111373

Request for Modified Limited Access

Dear Ms. Yung,

The Virginia Department of Transportation (VDOT) is developing a project to construct new auxiliary lanes between exits 141 and 143 in both the northbound and southbound lanes on I-81. The purpose of the project is to provide safer merge movements between the exits.


The project will require modification of the existing Limited Access lines along both the I-81 NB & SB lanes to provide for stormwater management facilities. VDOT has coordinated the modification of Limited Access with Federal Highway Administration personnel and now requests that you provide approval of these Access modifications as depicted on the attached Exhibits.

If additional information is needed, please contact Mr. Theron Knouse at 804.371.2792.

Sincerely,



for Susan H. Keen, P.E.
State Location and Design Engineer

Approved:  Date 1-18-18

Attachments

AT A REGULAR MEETING OF THE BOARD OF SUPERVISORS OF ROANOKE COUNTY, VIRGINIA, HELD AT THE ROANOKE COUNTY ADMINISTRATION CENTER, ON TUESDAY, SEPTEMBER 22, 2015

RESOLUTION 092215-5.d SUPPORTING HOUSE BILL 2 APPLICATIONS BY ROANOKE COUNTY AND THE ROANOKE VALLEY TRANSPORTATION PLANNING ORGANIZATION

WHEREAS, at a work session on September 8, 2015, the Board of Supervisors reviewed proposed House Bill 2 project applications; and

WHEREAS, the list of projects includes both Roanoke County application, and Roanoke Valley Transportation Planning Organization applications; and

WHEREAS, the Board of Supervisors desires to support both local and regional projects to mitigate congestion, promote economic development, increase accessibility, safety, and environmental quality, as well as develop projects consistent with local land use policies.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Roanoke County, Virginia, as follows:

1. That the Board of Supervisors hereby supports the following House Bill 2 projects for Roanoke County application:
 - a. Electric Road Widening, Safety, and Multimodal Improvements
 - b. McVitty Road / Old Cave Spring Lane Improvements
 - c. Lila Drive / Plantation Road Intersection Safety Improvements
 - d. Catawba Valley Drive / North Electric Road Intersection Safety and Congestion Improvements

2. That the Board of Supervisors hereby supports the following House Bill 2 projects for Roanoke Valley Transportation Planning Organization application:
 - a. Interstate 81 Northbound Auxiliary Lane / Exit 141 to Exit 143
 - b. Interstate 81 Widening / Exit 140 to Exit 143
 - c. Route 220 Signal Coordination / Route 419 to Clearbrook Village Lane
 - d. Interstate 81 Interchange Lighting / Exit 137 to Exit 150
 - e. West Roanoke River Greenway / Green Hill Park to Riverside Park
 - f. Interstate 81 Auxiliary Lanes / Exit 150 through Truck Weigh Stations
3. That the Clerk to the Board forthwith send a certified copy of this Resolution to Senator Mark Warner, Senator Timothy Kaine, Representative Bob Goodlatte, Representative Morgan Griffith, and Commonwealth Transportation Board members William H. Fralin, Jr. and Court G. Rosen.
4. That this resolution is effective immediately.

On motion of Supervisor Peters to adopt the resolution, and carried by the following roll call and recorded vote:

AYES: Supervisors Moore, Bedrosian, Church, McNamara, Peters

NAYS: None

A COPY TESTE:

A handwritten signature in black ink, appearing to read "Deborah C. Jacks", written over a horizontal line.

Deborah C. Jacks
Chief Deputy Clerk to the Board of Supervisors

cc: Senator Mark Warner
Senator Timothy Kaine
Representative Bob Goodlatte
Representative Morgan Griffith
William H. Fralin, Jr., Commonwealth Transportation Board
Court G. Rosen, Commonwealth Transportation Board
David Holladay, Planning Administrator
Wayne G. Strickland, Roanoke Valley Transportation Planning Organization

AT A REGULAR MEETING OF THE BOARD OF SUPERVISORS OF ROANOKE COUNTY, VIRGINIA, HELD AT THE ROANOKE COUNTY ADMINISTRATION CENTER, ON TUESDAY, SEPTEMBER 13, 2016

RESOLUTION 091316-1 SUPPORTING SMART SCALE APPLICATIONS BY ROANOKE COUNTY AND THE ROANOKE VALLEY TRANSPORTATION PLANNING ORGANIZATION

WHEREAS, at a regular meeting on September 13, 2016, the Board of Supervisors reviewed proposed SMART SCALE project applications; and

WHEREAS, the list of projects includes both Roanoke County applications, and Roanoke Valley Transportation Planning Organization applications; and

WHEREAS, the Board of Supervisors desires to support both local and regional projects to mitigate congestion, promote economic development, increase accessibility, safety, and environmental quality, as well as develop projects consistent with local land use policies.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Roanoke County, Virginia, as follows:

1. That the Board of Supervisors hereby supports the following SMART SCALE projects for Roanoke County application:
 - a. McVitty Road / Old Cave Spring Lane Improvements
 - b. Route 419 and Route 221 Adaptive Traffic Control
 - c. Roanoke River Greenway – Explore Park to Rutrough Road
 - d. Plantation Road Phase II
 - e. West Main Street Sidewalks

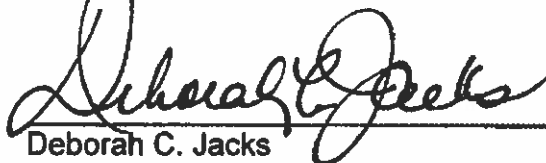
2. That the Board of Supervisors hereby supports the following SMART SCALE projects for Roanoke Valley Transportation Planning Organization application:
 - a. Interstate 81 Southbound Auxiliary Lane / Exit 143 to Exit 141
 - b. Interstate 81 Southbound Auxiliary Lane / Exit 141 to Exit 140
 - c. Interstate 81 Northbound Auxiliary Lane / Exit 140 to Exit 141
 - d. Interstate 81 Southbound Auxiliary Lane / Exit 150 to Truck Scales
 - e. Route 419 / Route 220 Expressway Lane and Ramp Extension
3. That the Clerk to the Board forthwith send a certified copy of this Resolution to Senator Mark Warner, Senator Timothy Kaine, Representative Bob Goodlatte, Representative Morgan Griffith, and Commonwealth Transportation Board members William H. Fralin, Jr. and Court G. Rosen.
4. That this resolution is effective immediately.

On motion of Supervisor McNamara to adopt the resolution, seconded by Supervisor Peters and carried by the following recorded vote:

AYES: Supervisors Assaid, Bedrosian Hooker, McNamara, Peters

NAYS: None

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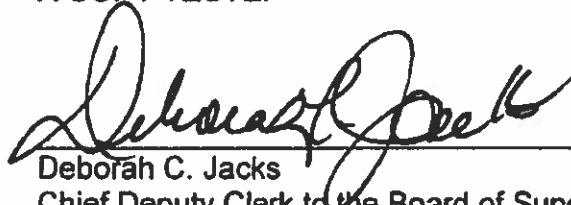


Deborah C. Jacks
Chief Deputy Clerk to the Board of Supervisors

cc: Mr. Richard L. Caywood, Assistant County Administrator
Senator Mark Warner
Senator Timothy Kaine
Representative Bob Goodlatte
Representation Morgan Griffith
Mr. William H. Fralin, Jr.
Mr. Court G. Rosen

I hereby certify that the foregoing is a true and correct copy of Resolution 091316-1 adopted by the Roanoke County Board of Supervisors, on Tuesday, September 13, 2016.

A COPY TESTE:

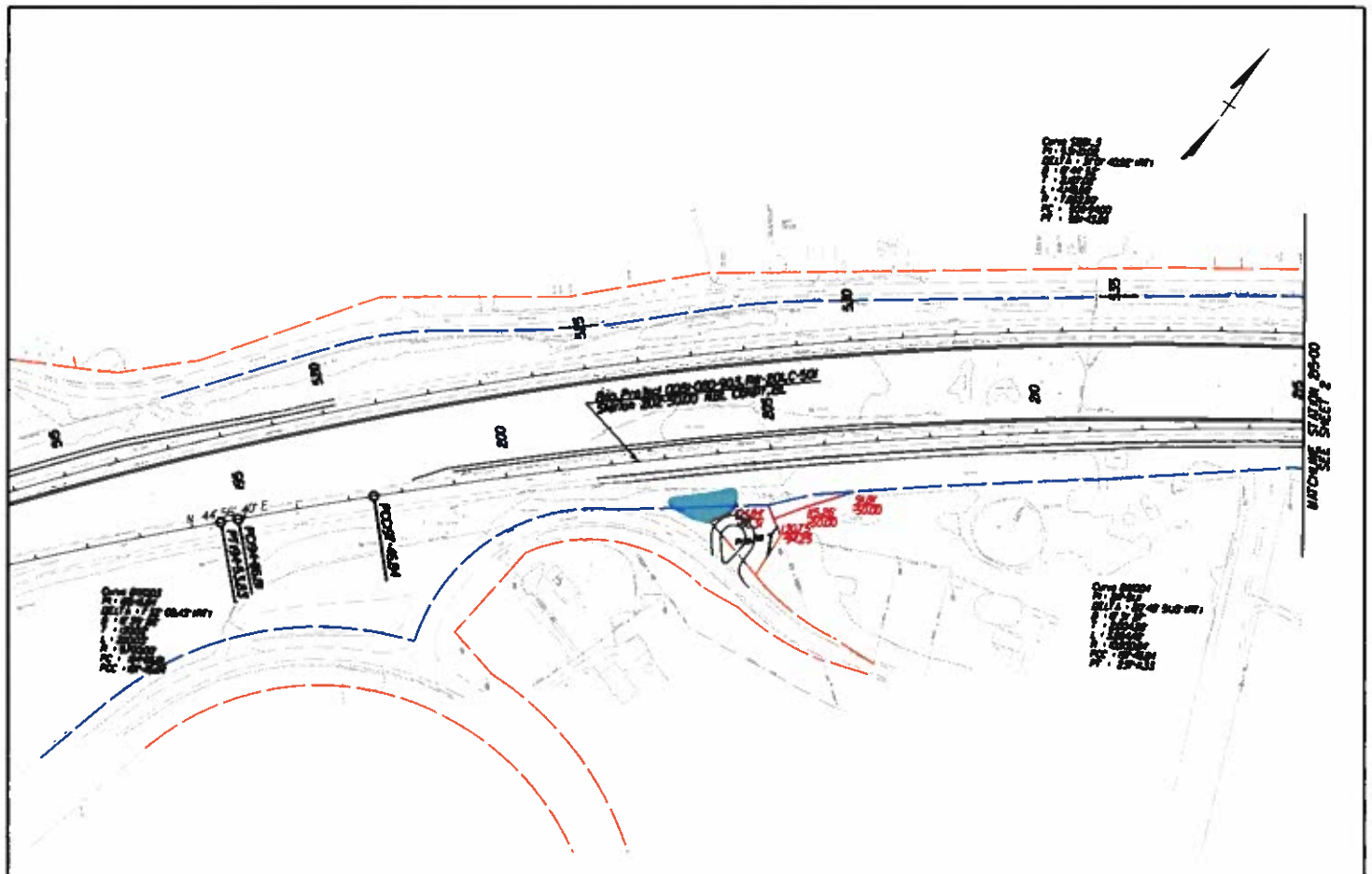
A handwritten signature in black ink, appearing to read "Deborah C. Jacks", is written over a horizontal line. The signature is fluid and cursive.

Deborah C. Jacks
Chief Deputy Clerk to the Board of Supervisors

Limited Access Points Table			
Alignments Based on VDOT Plans 0081-080-903, PE-101, RW-201, C501			
Alignment	Station	Offset (FT)	Description
I-81	204+86.31	86.31 RT	Begin Proposed Limited Access Line
I-81	204+94.25	130.75 RT	Proposed Limited Access Line
I-81	205+50.00	115.26 RT	Proposed Limited Access Line
I-81	206+50.00	91.81 RT	End Proposed Limited Access Line
I-81	223+63.50	91.73 RT	Begin Proposed Limited Access Line
I-81	223+63.50	115.50 RT	Proposed Limited Access Line
I-81	223+95.00	156.50 RT	Proposed Limited Access Line
I-81	225+26.00	156.50 RT	Proposed Limited Access Line
I-81	225+75.00	91.76 RT	End Proposed Limited Access Line
I-81	231+08.50	91.85 RT	Begin Proposed Limited Access Line
I-81	231+61.00	219.50 RT	Proposed Limited Access Line
I-81	232+41.00	219.50 RT	Proposed Limited Access Line
I-81	233+04.00	188.50 RT	Proposed Limited Access Line
I-81	233+25.00	110.00 RT	Proposed Limited Access Line
I-81	233+82.00	98.33 RT	Proposed Limited Access Line
I-81	235+00.00	98.00 RT	Proposed Limited Access Line
I-81	235+34.50	110.00 RT	Proposed Limited Access Line
I-81	235+90.91	110.00 RT	Proposed Limited Access Line
I-81	236+25.00	91.99 RT	End Proposed Limited Access Line
I-81	241+50.00	93.15 RT	Begin Proposed Limited Access Line
I-81	242+40.00	106.50 RT	Proposed Limited Access Line
I-81	242+55.00	113.50 RT	Proposed Limited Access Line
I-81	243+20.00	93.08 RT	End Proposed Limited Access Line
I-81	243.80.00	93.05 RT	Begin Proposed Limited Access Line
I-81	244+16.50	132.50 RT	Proposed Limited Access Line
I-81	245+77.00	182.50 RT	Proposed Limited Access Line
I-81	246+06.00	177.50 RT	Proposed Limited Access Line
I-81	246+68.00	92.93 RT	End Proposed Limited Access Line
I-81	247+27.00	92.90 RT	Begin Proposed Limited Access Line
I-81	247+60.00	99.00 RT	Proposed Limited Access Line
I-81	250+90.00	122.75 RT	Proposed Limited Access Line
I-81	252+75.39	93.09 RT	End Proposed Limited Access Line
I-81	265+80.40	92.64 RT	Begin Proposed Limited Access Line
I-81	266+75.00	108.00 RT	Proposed Limited Access Line
I-81	269+45.00	108.00 RT	Proposed Limited Access Line
I-81	269+45.00	155.00 RT	Proposed Limited Access Line
I-81	270+60.00	180.00 RT	Proposed Limited Access Line
I-81	272+59.48	195.31 RT	Proposed Limited Access Line
I-81	272+63.00	92.40 RT	End Proposed Limited Access Line
I-81	273+34.00	92.37 RT	Begin Proposed Limited Access Line
I-81	276+79.50	117.50 RT	Proposed Limited Access Line
I-81	280+17.50	179.00 RT	Proposed Limited Access Line
I-81	281+64.80	185.50 RT	Proposed Limited Access Line
I-81	284+15.00	160.13 RT	End Proposed Limited Access Line

Location Map
Project No. 0081-080-903, P101, R201, C501
UPC 108906
Roanoke Co. VA





Legend

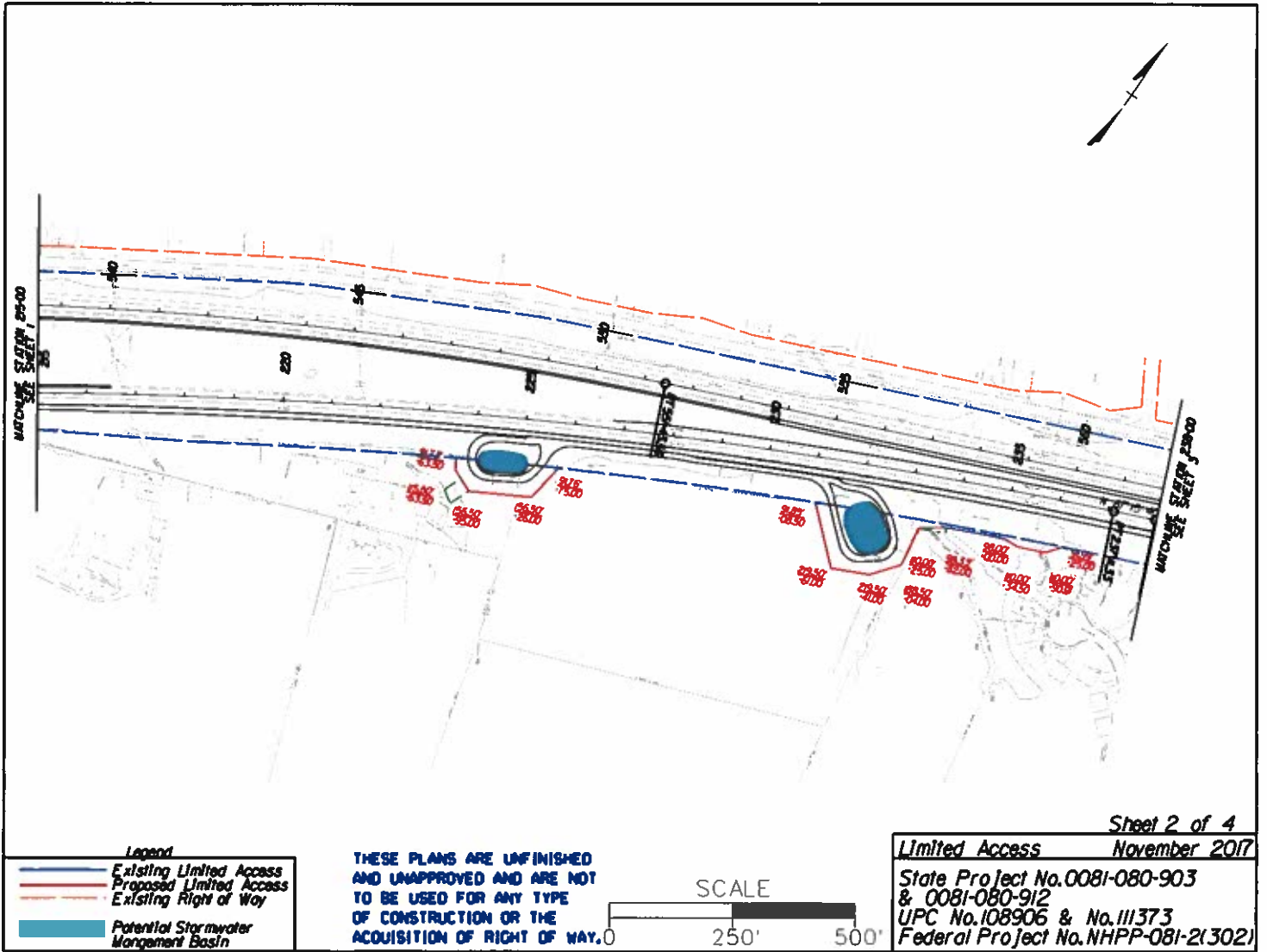
	Existing Limited Access
	Proposed Limited Access
	Existing Right of Way
	Potential Stormwater Management Basin

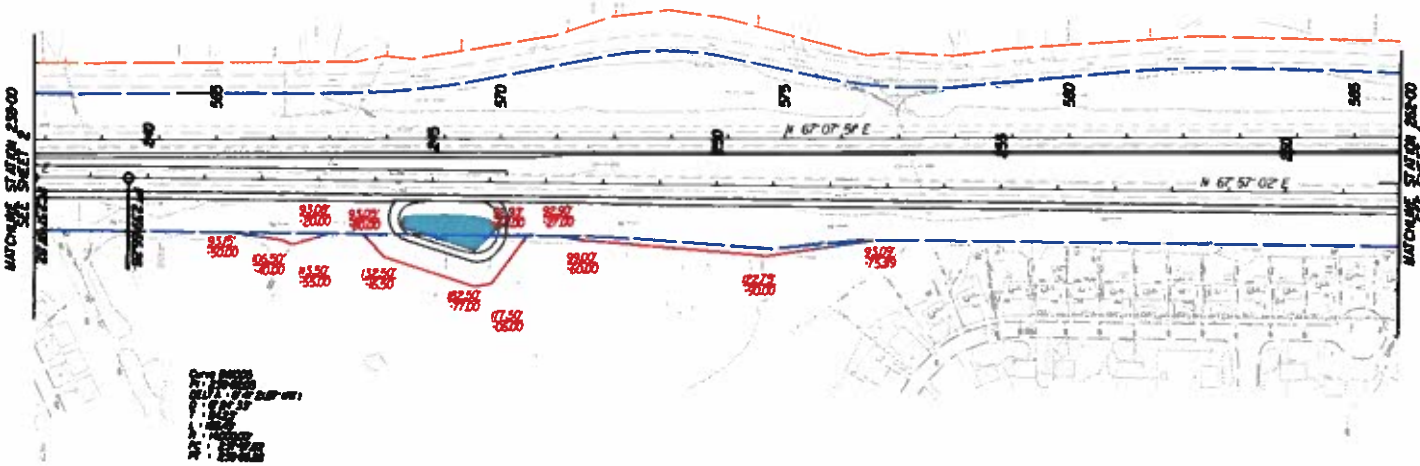
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



Sheet 1 of 4
November 2017

Limited Access
 State Project No. 0081-080-903
 & 0081-080-912
 UPC No. 108906 & No. 111373
 Federal Project No. NHPP-081-2(302)



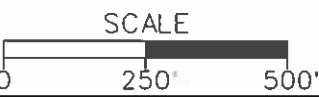


CURVE DATA
 STA. 1+00 TO 1+25
 R = 100.00'
 Δ = 90.00°
 L = 157.08'
 P.C. = 1+00.00'
 P.T. = 1+157.08'

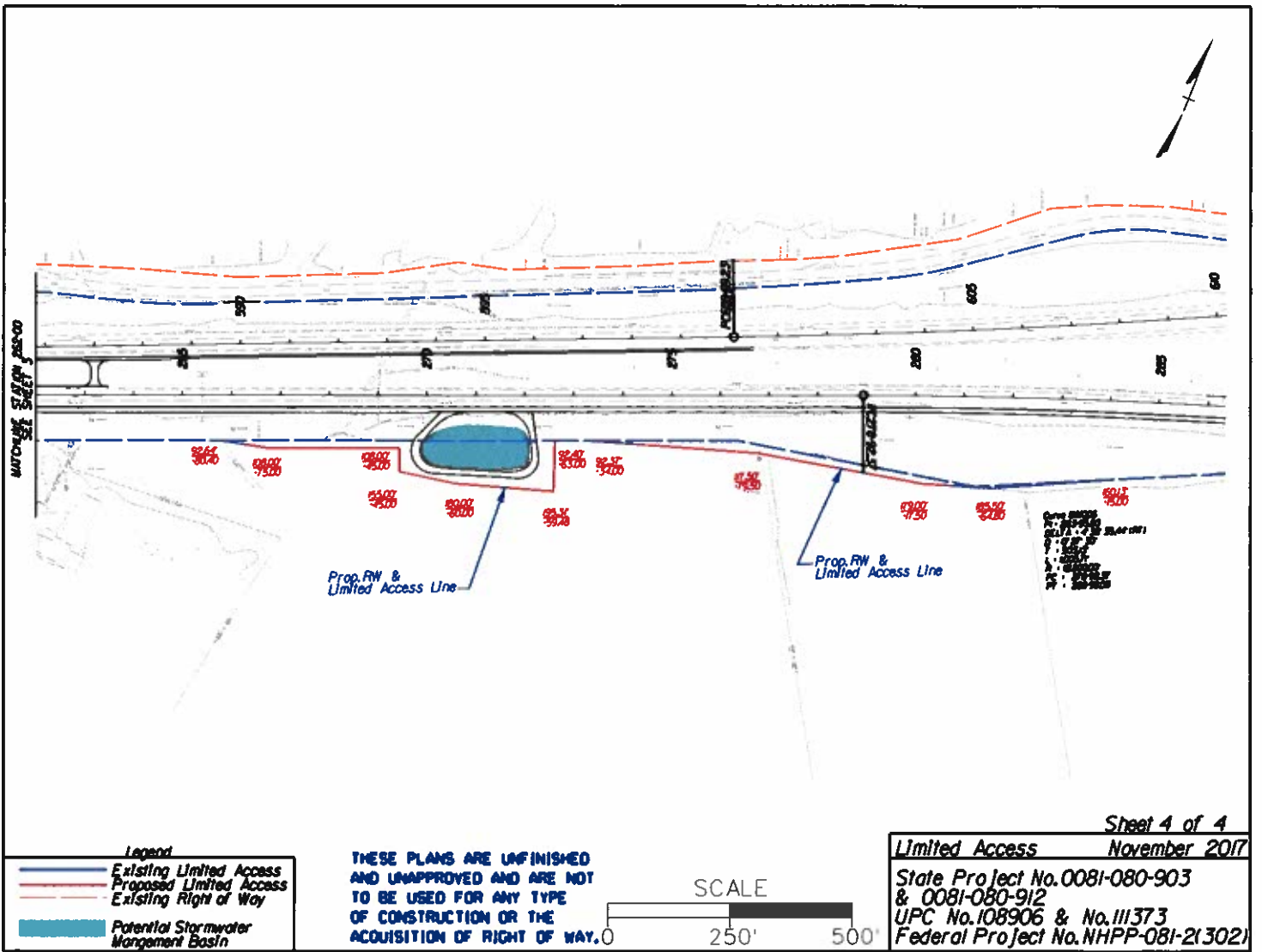
Legend

	Existing Limited Access
	Proposed Limited Access
	Existing Right of Way
	Potential Stormwater Management Basin

THESE PLANS ARE UNFINISHED
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Sheet 3 of 4
 Limited Access November 2017
 State Project No. 0081-080-903
 & 0081-080-912
 UPC No. 108906 & No. 111373
 Federal Project No. NHPP-081-2(302)



Legend

- Existing Limited Access
- Proposed Limited Access
- - - Existing Right of Way
- Potential Stormwater Management Basin

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SCALE



Sheet 4 of 4
November 2017

Limited Access
 State Project No. 0081-080-903
 & 0081-080-912
 UPC No. 108906 & No. 111373
 Federal Project No. NHPP-081-2(302)