**Interstate 81 - Exit 300 at Interstate 66**

**Southbound Acceleration Lane Extension**

**SMART SCALE Applicant:**
Northern Shenandoah Valley Regional Commission (NSVRC)

**SMART SCALE Funding:**
$3,437,422

**Estimated Cost:**
$3,437,422

**Estimated Ad Date:**
Fall 2021

**Project Manager:**
Ronald Tabor, P.E., 540-332-7887

This project extends the Interstate 81, exit 300, southbound acceleration lane onto I-81 from westbound Interstate 66.

The I-81, exit 300 southbound ramp is a left entry to the I-81 mainline from I-66 and has a short acceleration lane. The project will improve traffic operations by extending the ramp length.

The project goal is to reduce crashes.

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**Interstate 81 - Exit 315 at Route 7**

**Northbound Deceleration Lane Extension**

**SMART SCALE Applicant:**
Winchester-Frederick County MPO

**SMART SCALE Funding:**
$481,001

**Contract Value:**
$1,898,125*

**Estimated Completion Date:**
Late 2019

**Project Manager:**
Robert Good, P.E., 540-743-1420

This project extends the Interstate 81, exit 315, northbound deceleration lane. This project will improve safety, weave movements, and alleviate back-ups onto the mainline of I-81.

*A contract valued at $1,898,125 was awarded on April 19, 2019 to Kickin’ Asphalt Paving and Excavating LLC of Strasburg, Virginia. This contract combines several projects: I-81 Exit 323 northbound deceleration ramp and southbound acceleration ramp; I-81 Exit 315 northbound deceleration ramp; I-81 Exit 296 northbound acceleration ramp and southbound deceleration ramp.*
### Interstate 81 - Exit 317
#### Northbound Acceleration and Southbound Deceleration Lane Extension

**SMART SCALE Applicant:**
WinFred MPO

**SMART SCALE Funding:**
$3,209,056

**Estimated Cost:**
$3,209,056

**Estimated Ad Date:**
Fall 2027

**VDOT Contact:**
Anthony Pelina, 540-332-9575

This project is located on Interstate 81 at Exit 317. The project will extend the existing northbound acceleration and southbound deceleration lanes to meet current VDOT standards.

### Interstate 81 - Exit 323 Near West Virginia State Line
#### Acceleration and Deceleration Lanes

**SMART SCALE Applicant:**
Winchester-Frederick County MPO

**SMART SCALE Funding:**
$1,756,031

**Contract Value:**
$1,898,125*

**Estimated Completion Date:**
Late 2019

**Project Manager:**
Robert Good, P.E., 540-743-1420

This project consists of the lengthening of the Interstate 81, exit 323 southbound on-ramp acceleration lane and taper and the northbound on-ramp deceleration lane and taper to improve weave movements and safety.

*A contract valued at $1,898,125 was awarded on April 19, 2019 to Kickin’ Asphalt Paving and Excavating LLC of Strasburg, Virginia. This contract combines several projects: I-81 Exit 323 northbound deceleration ramp and southbound acceleration ramp; I-81 Exit 315 northbound deceleration ramp; I-81 Exit 296 northbound acceleration ramp and southbound deceleration ramp;*
Staunton District

Frederick County

Route 17 (Millwood Pike) - Route 17/50/522 Bridge Replacement Over I-81, Exit 313

Estimated Cost (UPC 111632):
$1,780,000  (PE Only)

Estimated Cost (UPC 113535):
$27,500,000

SMART SCALE Applicant (UPC 115717):
WinFred MPO

SMART SCALE Funding (UPC 115717):
$855,725

Estimated Cost (UPC 115717):
$5,264,400

Estimated Ad Date:
Late 2023

Project Manager:
Thomas Marando, P.E., 540-332-7746

(UPC 111632) This bridge on Route 17/50/522 (Millwood Pike) Bridge over Interstate 81 at exit 313 is reaching the end of its service life and needs to be replaced. The bridge, built in 1964, has seven lanes. The average daily traffic volume is 33,000 vehicles per day. On I-81 in this location, traffic counts are 35,000 vehicles per day northbound and 34,000 vehicles per day southbound, for a combined 69,000 average vehicles per day. The new bridge will feature design elements that will accommodate future improvements to the Route 17/50/522 corridor and future improvements to I-81. The interchange configuration will not change with this project. Construction plans are not final, but it is likely the new bridge will be built north of the existing structure, which will reduce traffic impacts during the work.

(UPC 113535) This project funds the State of Good Repair (SGR) eligible portion of the project, including in-kind replacement of the Route 17/50/522 bridge over Interstate 81. Needed capacity improvements, such as a second westbound-to-southbound left-turn lane and extension of the westbound Millwood Pike turn lane were sought through a Smart Scale round three application submitted in 2018 by the WinFred MPO.

Smart Scale funding awarded to UPC 115717.
**Route 277 (Fairfax Pike) Widening**

**SMART SCALE Applicant:**
Frederick County

**SMART SCALE Funding:**
$30,723,571

**Estimated Cost:**
$41,120,162

**Estimated Ad Date:**
Late 2019

**Project Manager:**
Thomas Marando, P.E., 540-332-7746

This project will widen Route 277 (Fairfax Pike) to provide additional traffic capacity, overall operational safety, and to improve the connectivity of the regional roadway system. The project is between the northbound ramps of Interstate 81 and Double Church Road.

Route 277 will have four thru-lanes with a center median (median will be a combination of raised and striped). A sidewalk will be on the north side of Route 277 and a shared use path is planned for the south side.

Aylor Road will be relocated to the east to align with the current Stickley Road intersection; the traffic signal at the Town Run Lane will be removed. VDOT Lane will be relocated to the west to align with the existing Food Lion shopping center entrance.

**Route 277 (Fairfax Pike) - Warrior Drive Intersection**

**SMART SCALE Applicant:**
Frederick County

**SMART SCALE Funding:**
$476,644

**Estimated Cost:**
$476,644

**Estimated Ad Date:**
Fall 2024

**Project Manager:**
Ronald Tabor, P.E., 540-332-7887

This project provides an extension of the existing right-turn lane from eastbound Route 277 (Fairfax Pike) to southbound Warrior Drive, which provides access to Sherando High School.

Work includes installation of a pedestrian pedestal on the northwest corner and installation of a bike/pedestrian facility along Warrior Drive from Route 277 to the high school.
**Route 522 (Front Royal Pike) Opequon Creek Bridge Replacement**

**Estimated Cost:**
$5,441,892

**Estimated Ad Date:**
Fall 2021

**Project Manager:**
James Johnston, P.E., 540-332-7795

The southbound Route 522 (Front Royal Pike) Opequon Creek Bridge in eastern Frederick County has reached the end of its service life. Built in 1953, the two-lane bridge is considered functionally obsolete. Functionally obsolete means a structure was designed with older design features that no longer meet current geometrics or modern traffic needs. This designation has no connection to condition rating, but is based on functionality.

The new bridge will have two lanes and will be in the same location and be about a foot higher and will be widened slightly on its eastern side. The new structure will have steel girders and a concrete deck. The approaches on either side of the bridge will be widened and new guardrail will be installed. A six-foot wide paved shoulder will be provided on the right side of the new bridge. This 0.452-mile long project extends from 0.85-mile north of Route 642 to 0.05-mile north of Route 644.

**Route 623 (Fromans Road) - Cedar Creek Bridge**

**Estimated Cost:**
$2,822,291

**Estimated Ad Date:**
Fall 2020

**Project Manager:**
Alfred Scott, 540-332-2264

This project is located in Frederick County on the county line with Shenandoah County. The project replaces the Cedar Creek Bridge, located on Route 623 (Fromans Road) southwest of the Stephens City limits.

The existing 10-foot wide single lane bridge was built in 1932 and has reached the end of its service life. The bridge is currently posted for a vehicle 10-ton weight limit. The proposed new bridge will have two 10-foot lanes with five-foot shoulders. The new bridge will be constructed in the same location as the current structure. Construction should take approximately eight months.
Frederick County

Route 644 (Papermill Road) at Route 522 (Front Royal Pike) Turn Lane

**Contract Value:**
$367,183

**Completion Date:**
Spring 2019 - Construction Complete

This project provides the installation of a full right-turn lane from eastbound Route 644 (Paper Mill Road) to southbound Route 522 (Front Royal Pike).

A contract valued at $367,183 was awarded to M & F Concrete, Inc. of Manassas, Va. This project was completed on May 29, 2019.

**Project Manager:**
Robert Good, P.E., 540-743-1420

**SMART SCALE Applicant:**
Frederick County

**SMART SCALE Funding:**
$503,961

**Estimated Cost:**
$507,262
Route 655 (Sulphur Springs Road) Reconstruction

(UPC 111060) This project reconstructs Route 655 (Sulphur Springs Road) from Route 50/17 (Millwood Pike) to Route 656.

(UPC 59259) The project reconstructs a portion of Route 655 (Sulphur Springs Road) located in Frederick County, east of the City of Winchester, between Route 50 (Millwood Pike) and Clarke County. This area serves several residential communities and provides access to the Frederick County landfill. The improvements will provide better road alignment and turning movements.

The improvements to the road include two 12-foot travel lanes and 6-foot paved shoulders. The road alignment will be slightly adjusted to straighten out a gradual curve. Right and left-turn lanes will be constructed on Route 655 at Routes 50 and Route 656. Also the box culvert on Route 655 at Sulphur Spring Run will be extended to accommodate the new turn lane onto Route 50.

A contract valued at $5,333,008 was awarded in January 2019 to Perry Engineering Company Inc. of Winchester, Virginia with completion in summer 2020.

**SMART SCALE Applicant:**
Frederick County

**SMART SCALE Funding:**
$2,812,610

**Estimated Cost:**
$2,977,865 (UPC 111060)
$6,022,924 (UPC 59259)
## Locally Administered - City of Winchester
### Extension of Hope Drive

<table>
<thead>
<tr>
<th>Estimated Cost:</th>
<th>$9,500,000</th>
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</table>

This project is a component of the Tevis Street connector road between Route 522 and Pleasant Valley Road. This is a locally administered Revenue Sharing Project for the extension of Hope Drive and the realignment of Papermill Road and Tevis Street in the City of Winchester.

<table>
<thead>
<tr>
<th>Estimated Ad Date:</th>
<th>Fall 2019</th>
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</thead>
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<thead>
<tr>
<th>Project Manager:</th>
<th>Steven Damron, 540-332-7389</th>
</tr>
</thead>
</table>

## Locally Administered - City of Winchester
### Route 11 (Valley Avenue)

<table>
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<tr>
<th>Estimated Cost:</th>
<th>$7,810,259</th>
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</thead>
</table>

This project is located on Valley Avenue (Route 11) from the southern Winchester City limits from just north of Shawnee Drive to approximately 1.4 miles from Middle Road. Work will be done to improve the drainage area near the intersection of Valley Avenue and Tevis Street. The project has a 40 mph design speed and four 11-foot travel lanes with curb and gutter. Pedestrian and bicycle accommodations will consist of a bike lane or a shared lane where left-turn lanes are present. Sidewalk will be built on both sides of the roadway. Other improvements include adding a left-turn lane on Valley Avenue at Monticello Street and extending the storm sewer down to the future regional storm water management facility at Hope Drive.

<table>
<thead>
<tr>
<th>Estimated Ad Date:</th>
<th>Fall 2019</th>
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<thead>
<tr>
<th>Project Manager:</th>
<th>Steven Damron, 540-332-7389</th>
</tr>
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## Locally Administered - City of Winchester
### Route 11 (Valley Avenue)/Gerrard Street Adaptive Signal Control

<table>
<thead>
<tr>
<th>SMART SCALE Applicant:</th>
<th>Winchester City</th>
</tr>
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</table>

This project will install adaptive signal control system on 10 existing signals in the City of Winchester.

<table>
<thead>
<tr>
<th>SMART SCALE Funding:</th>
<th>$1,227,000</th>
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<table>
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<tr>
<th>Estimated Cost:</th>
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<table>
<thead>
<tr>
<th>Estimated Ad Date:</th>
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<table>
<thead>
<tr>
<th>VDOT Contact:</th>
<th>Steven Damron, 540-332-7389</th>
</tr>
</thead>
</table>
**Legislative Update**

**Staunton District**

**Frederick County**

**Green Circle Trail Final Phases**

**City of Winchester**

**SMART SCALE Applicant:**
City of Winchester

**SMART SCALE Funding:**
$3,092,000

**Estimated Cost:**
$5,492,000

**Estimated Ad Date:**
Spring 2024

**Project Manager:**
Jamison Brown, 540-332-9159

This project completes Green Circle Trail within the City of Winchester. The Green Circle Trail is a multi-use, bike/pedestrian path that connects multiple key activity centers within the City of Winchester. This project will include a one-mile section of a 10-foot wide shared use path.

The Winchester Green Circle project, when completed, will provide safe facilities and accommodations for both bicyclists and pedestrians, to access major destinations in the city. The circle connects areas of historic, recreational, educational and natural interest. Some of those attractions include Glen Burnie Historic House & Gardens/Museum of the Shenandoah Valley, Jim Barnett Park, Shenandoah University, Old Town Winchester, and the Abrams Creek Wetlands Preserve. Where possible the routes follow local streams emphasizing the restoration, protection and interpretation of natural resources and urban green spaces.

**Locally Administered - City of Winchester**

**Green Circle Trail - Jubal Early Segment**

**Estimated Cost:**
$482,183

**Estimated Ad Date:**
Fall 2019

**Project Manager:**
Steven Damron, 540-332-7389

This project provides construction of a multi-use path along Jubal Early Drive. The project will include facilities for pedestrians and bicycles.

This project extends from 0.04 mile west of Harvest Drive to 0.04 mile east of Valley Avenue.
Locally Administered - Frederick County

Crossover Boulevard / Tevis Street Extension

**Estimated Cost Tevis Street Extension:** $5,786,290 (UPC 94846)

**Tevis Street Ad Date:** Fall 2020 (UPC 94846)

This is the Tevis Street connector road between Route 522 and Pleasant Valley Road. The project includes a flyover bridge across Interstate 81 on Crossover Boulevard. This will be coordinated with a project in the City of Winchester to complete Tevis Street from I-81 flyover bridge to Pleasant Valley Road. This is a Revenue Sharing project and is and being locally administered.

**Project Manager**
(UPC 94846):
Jeffery Lineberry, P.E., 540-332-2265

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Locally Administered - Frederick County

Crossover Boulevard

**Airport Road**

**Crossover Boulevard Contract Value March 2019:** $12,201,455.00 (UPC 87616)

**Airport Road Contract Value March 2019:** $8,131,226.00 (UPC 104262)

(UPC 87616) This is the Tevis Street connector road between Route 522 and Pleasant Valley Road. The project includes a flyover bridge across Interstate 81 on Crossover Boulevard. This will be coordinated with a project in the City of Winchester to complete Tevis Street from I-81 flyover bridge to Pleasant Valley Road. This is a Revenue Sharing project and is and being locally administered.

(UPC 104262) This project is constructs an extension of Airport Road. The project extends from Route 522 to Tevis Street. The project length is 0.6-mile long.

**Estimated Construction Completion:**
Fall 2020 (UPC 87616)
Late 2020 (UPC 104262)

In March 2019 Frederick County awarded a contract valued at $20,332,681 to Perry Engineering Co. Inc. of Winchester. This contract combines two projects: Crossover Boulevard (UPC 87616) and Airport Road (UPC 104262). Work on Crossover Boulevard is valued at $12,201,455. Work on Airport Road is valued at $8,131,226. Construction is underway with completion in late 2020.

**Project Manager**
(UPC 87616, UPC 104262):
Steven Damron, 540-332-7389
<table>
<thead>
<tr>
<th><strong>Project</strong></th>
<th><strong>Details</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Locally Administered - City of Winchester</strong></td>
<td>This project is a component of the Tevis Street connector road between Route 522 and Pleasant Valley Road. A contract valued at $1.9 million was awarded by the City of Winchester to Perry Engineering Company Inc. of Winchester, Virginia. This is a locally administered Revenue Sharing Project to extend Tevis Street in the City of Winchester from Legge Blvd to Interstate 81 right of way limits to connect with Frederick County Revenue Sharing Tevis Street projects, UPC 94846, 87616.</td>
</tr>
<tr>
<td><strong>Tevis Street Extension</strong></td>
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</tr>
<tr>
<td><strong>Contract Value:</strong></td>
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<tr>
<td><strong>Ad Date:</strong></td>
<td>Summer 2017</td>
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<tr>
<td><strong>Construction Completion:</strong></td>
<td>Fall 2018</td>
</tr>
<tr>
<td><strong>Project Manager:</strong></td>
<td>Steven Damron, 540-332-7389</td>
</tr>
</tbody>
</table>