MEMO

To: TJPD Commissioners  
From: Sandy Shackelford – Director of Planning and Transportation  
Date: May 27, 2020  
Re: 2020 Smart Scale applications resolution of support

**Purpose:** As part of the Smart Scale application process Planning District Commissions need to provide resolutions of support for project applications. The purpose of resolutions of support are to ensure that Smart Scale applications are in keeping with regional goals and priorities outlined in the MPO’s Long Range Transportation Plan and the Rural Long Range Transportation Plan. There are two separate resolutions of support for consideration. One resolution for projects that the Planning District (Attachment B) will apply for and another for the projects outside of the MPO area that each locality will be applying for individually (Attachment C).

**Background:** At the 2014 session, the Virginia General Assembly enacted legislation in the form of House Bill 2 (“HB2”) now titled “Smart Scale” (§33.2-21.4), which established a new process for the allocation of transportation funding for projects within the state. The process requires that projects seeking state and federal transportation funding be submitted every two years for consideration by the Commonwealth Transportation Board. The act and subsequent guidance developed a method for scoring projects based on their merits. Projects are scored within VDOT districts or statewide. Scoring is used by the Commonwealth Transportation board to allocate scarce funding resources to the highest ranked projects.

Guidance updated for this year’s applications now limits the number of applications by population. Local governments and regional bodies in the PDC are eligible to submit up to four applications each. The Metropolitan Planning Organization is responsible for a resolution for Urban projects within Charlottesville and Albemarle and is submitting an additional four projects. The projects being submitted by the Planning District fall into the Metropolitan Planning Organization (MPO) area and will also be vetted by the MPO.

**Issues:** Planning District Staff worked with local government staff through the Metropolitan Planning Organization and Rural Technical Committee to identify and coordinate Smart Scale applications for the fourth round of Smart Scale. The list of projects is shown in Attachment A. District staff have reviewed available project materials and found that all the projects submitted are in keeping with regional goals and policies, as expressed in the LRTP and RLRP and other relevant planning documents.

**Action Needed:** The Commission needs to provide resolution authorizing the Planning District to submit projects and a 2nd resolution in support for local governments applying for their projects. Resolutions are included. If there are any questions please contact Sandy Shackelford, sshackelford@tjpdc.org.
Attachment A: Projects

Applicant: Planning District

1. **(Albemarle urban) Route 29 Shared Use Path**: Project would construct a new shared use path on the east side of US 29 from Carrsbrook Drive to the Riverside Center commercial entrance.

2. **(Albemarle urban) Park and Ride Lot at I-64 Exit 107**: Development of a new park and ride facility to the west of the interchange. The lot will be located within existing VDOT right of way between US 250 and Patterson Mill Lane.

3. **(Albemarle urban) US 29 / Frays Mill / Burnley Station Intersection Improvements**: Convert the existing signalized intersection to a signalized restricted crossing u-turn intersection to improve safety by eliminating crossover traffic and reduce congestion on US 29 by allowing free-flowing traffic at the intersection.

4. **(Albemarle and Charlottesville urban) 5th Street Hub & Trail**: This project would leverage existing Transportation Alternatives funding to complete a shared use path that connects a commercial space adjacent to 5th Street to the Fifth Street Station shopping center. This trail is the first of a planned network of trails in the area to connect bicyclists and pedestrians to commercial and recreational amenities.

Applicant: Fluvanna

5. **South Boston Road (Route 600) at Monticello Road (Route 618)**: Project will add a left turn lane to the Northbound Rte. 600 approach to the intersection.

6. **Troy Road (631) and Route 250 Roundabout**: Project will convert the existing 2-way stop controlled intersection to a roundabout.

7. **Route 53 at Turkeysag Trail**: Project will convert a 3-leg un-signalized intersection into a roundabout with crosswalks, sidewalks and shared use paths.

Applicant: Greene

1. **US 29/616 (Carpenters Mill Rd)/ Commerce Dr. Improvements**: Project will modify a 0.73 mile corridor with existing median crossings into a Superstreet to help facilitate safer movements crossing Route 29.

Applicant: Louisa

1. **Rte. 208 & 250 Intersection Improvements**: Project will convert a 4-leg un-signalized intersection into a roundabout.

2. **Rte. 15 & 250 Intersection Improvement**: Project will convert a 4-leg signalized intersection into a roundabout.

3. **Rte. 33 & 22/208 Intersection Improvements**: Multi-modal corridor improvements to include raised medians, sidewalks, left turn lanes, crosswalks, and entrance splitter.

Applicant: Nelson
1. **US 29 at Route 653 Improvements:** Project will make turn lane improvements on Route 29 North and South, intersection improvements and alignment on Oak Ridge and Route 29 with additional capacity, with lane addition up to Diggs Mountain.

2. **Route 6 at Route 151 Intersection Improvements:** Project will widen the east leg of the intersection creating a wider receiving lane for turning vehicles.

3. **Route 151 at Tanbark Road Intersection Improvements:** Project will make a variety of intersection improvements to improve safety.

**Attachment B: Planning District Project Resolution**

**Attachment C: Local Government Support Resolution**
RESOLUTION ENDORSING THE SUBMISSION OF SMART SCALE (HB2) APPLICATIONS REQUESTING TRANSPORTATION FUNDING BY LOCALITIES

WHEREAS, the Thomas Jefferson Planning District Commission (TJPDC) in cooperation with VDOT and DRPT completed a comprehensive Rural Long Range Transportation Plan (RLRP 2040); and

WHEREAS, the 2040 RLRP includes the following transportation improvements noted below; and

WHEREAS, during its 2014 session, the Virginia General Assembly enacted legislation in the form of House Bill 2 (“HB2”) now titled “Smart Scale”, which established new criteria for the allocation of transportation funding for projects within the state; and

WHEREAS, the Commonwealth Transportation Board (CTB) during its board meeting of June 17, 2015, approved the Policy and Guidelines for Implementation of a Project Prioritization Process in accordance with Smart Scale; and

WHEREAS, many of the transportation projects identified by the Commission meet the eligibility criteria for funding under Smart Scale; and

WHEREAS, it is in the best interests of the Thomas Jefferson Planning District to submit Smart Scale applications requesting state funding for eligible transportation projects; now, therefore be it

RESOLVED, that the Thomas Jefferson Planning District Commission fully endorses the local governments’ submission of a Smart Scale application requesting funding for the following transportation projects:

Fluvanna

1. South Boston Road (Route 600) at Monticello Road (Route 618): Project will add a left turn lane to the Northbound Rte. 600 approach to the intersection.
2. Troy Road (631) and Route 250 Roundabout: Project will convert the existing 2-way stop controlled intersection to a roundabout.
3. Route 53 at Turkeysag Trail: Project will convert a 3-leg un-signalized intersection into a roundabout with crosswalks, sidewalks and shared use paths.

Greene

1. US 29/616 (Carpenters Mill Rd)/ Commerce Dr. Improvements: Project will modify a 0.73 mile corridor with existing median crossings into a Superstreet to help facilitate safer movements crossing Route 29.
Louisa

1. **Rte. 208 & 250 Intersection Improvements**: Project will convert a 4-leg un-signalized intersection into a roundabout.

2. **Rte. 15 & 250 Intersection Improvement**: Project will convert a 4-leg signalized intersection into a roundabout.

3. **Rte. 33 & 22/208 Intersection Improvements**: Multi-modal corridor improvements to include raised medians, sidewalks, left turn lanes, crosswalks, and entrance splitter.

Nelson

1. **US 29 at Route 653 Improvements**: Project will make turn lane improvements on Route 29 North and South, intersection improvements and alignment on Oak Ridge and Route 29 with additional capacity, with lane addition up to Diggs Mountain.

2. **Route 6 at Route 151 Intersection Improvements**: Project will widen the east leg of the intersection creating a wider receiving lane for turning vehicles.

3. **Route 151 at Tanbark Road Intersection Improvements**: Project will make a variety of intersection improvements to improve safety.

ADOPTED this 4th day of June, 2020 by the Thomas Jefferson Planning District Commission being duly assembled.

ATTESTED:

_______________________
Dale Herring, Chair
Thomas Jefferson Planning District Commission
South Boston Road at Monticello Road

Project Description
This project will add a left turn lane to the northbound Route 600 approach to the intersection to improve safety. The addition of the left turn lane is the least expensive and has the least impact on right-of-way.

Cost Estimate
- Preliminary Engineering ...........................................$
- Right of Way Acquisition ...........................................$
- Construction .............................................................$

Needs Addressed
- Safety

Project Concerns
No known concerns at this time

Entity Submitting
Fluvanna County
Troy Road and Route 250 Roundabout

Legend
- Proposed Box Culvert
- Concrete Median/Curb/Truck Apron
- Proposed ROW
- Existing ROW (from GIS)
- Approx. Temp. Easement (grading limits T.B.D.)
- Pavement/Lane Markings

Location: Fluvanna County

Sheet 1/1

Imagery © 2018 Google
Troy Road and Route 250 Roundabout

Project Description
This project will convert the existing two-way stop controlled intersection into a roundabout to improve safety at the intersection and provide an operational benefit.

Cost Estimate
Preliminary Engineering ............................................ $
Right of Way Acquisition ............................................ $
Construction ............................................................... $

Needs Addressed
Safety

Project Concerns
No known concerns at this time

Entity Submitting
Fluvanna County
Turkeysag Trail and Route 53 Roundabout
Turkeysag Trail and Route 53 Roundabout

Project Description
This project will convert the existing three-leg un-signalized intersection into a roundabout and include crosswalks, sidewalks, and shared use paths. This will reduce conflict points and crashes and provide increased access for pedestrians and bicyclists as well as provide a moderate operational benefit.

Cost Estimate

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
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</tr>
<tr>
<td>Right of Way Acquisition</td>
<td>$</td>
</tr>
<tr>
<td>Construction</td>
<td>$</td>
</tr>
</tbody>
</table>

Needs Addressed

- Safety
- Pedestrian Access
- Bicycle Access

Project Concerns
No known concerns at this time

Entity Submitting
Fluvanna County
US 29/616/ Commerce Drive Improvements

Legend
- Full Depth Pavement
- Variable Depth Mill & Overlay
- Channelizing Island
- Proposed ROW
- Existing ROW (from GIS)
- Approx. Perm. Easement (for Drainage)
- Approx. Temp. Easement (grading limits T.B.D.)
- Pavement/Lane Markings

Location: Green County

Legend:
- Full Depth Pavement
- Variable Depth Mill & Overlay
- Channelizing Island
- Proposed ROW
- Existing ROW (from GIS)
- Approx. Perm. Easement (for Drainage)
- Approx. Temp. Easement (grading limits T.B.D.)
- Pavement/Lane Markings

Imagery © 2018 Commonwealth of Virginia
# US 29/ 616/ Commerce Drive Improvements

## Project Description
This project will modify a 0.73 mi. corridor with existing median crossings into a Superstreet to help facilitate safer movements crossing Route 29. This will reduce conflict points and crashes, particularly crossover-related crashes.

## Cost Estimate
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
<td>$</td>
</tr>
<tr>
<td>Right of Way Acquisition</td>
<td>$</td>
</tr>
<tr>
<td>Construction</td>
<td>$</td>
</tr>
</tbody>
</table>

## Needs Addressed

![](Safety.png)

## Project Concerns
No known concerns at this time

## Entity Submitting
Greene County
Route 208 and Route 250 Intersection Improvements

Roundabout Conceptual Design
Route 250 (Three Notch Road) / Route 208 (Courthouse Road)
Louisa County, VA

Figure 5.006

Kittelton & Associates
SMART SCALE
Route 208 and Route 250 Intersection Improvements

Project Description
This project will convert a four-leg un-signalized intersection into a Roundabout to improve safety by reducing conflict points and crashes at the intersection.

Cost Estimate

<table>
<thead>
<tr>
<th></th>
<th>Cost</th>
</tr>
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<tbody>
<tr>
<td>Preliminary Engineering</td>
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<td>Right of Way Acquisition</td>
<td>$</td>
</tr>
<tr>
<td>Construction</td>
<td>$</td>
</tr>
</tbody>
</table>

Needs Addressed

Safety

Project Concerns
No known concerns at this time

Entity Submitting
Louisa County
Route 15 and Route 250 Intersection Improvements

<table>
<thead>
<tr>
<th>Approach</th>
<th>Turn Lane</th>
<th>Storage Length*</th>
<th>Taper Length</th>
<th>Match Existing*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northbound U.S. 15</td>
<td>Right</td>
<td>225 feet</td>
<td>200 feet</td>
<td>500 feet</td>
</tr>
<tr>
<td>Southbound U.S. 15</td>
<td>Right</td>
<td>200 feet</td>
<td>Not Applicable</td>
<td>550 feet</td>
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<tr>
<td>Eastbound U.S. 250</td>
<td>Left</td>
<td>175 feet</td>
<td>200 feet</td>
<td>750 feet</td>
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<tr>
<td>Westbound U.S. 250</td>
<td>Right</td>
<td>200 feet</td>
<td>200 feet</td>
<td>400 feet</td>
</tr>
</tbody>
</table>

*Measured Upstream from Yield Line
# Route 15 and Route 250 Intersection Improvements

## Project Description
This project will convert a four-leg signalized intersection into a Roundabout to improve safety by reducing conflict points and crashes at the intersection as well as providing a moderate operational improvement.

## Cost Estimate
<table>
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<tr>
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<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
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</tr>
<tr>
<td>Right of Way Acquisition</td>
<td>$</td>
</tr>
<tr>
<td>Construction</td>
<td>$</td>
</tr>
</tbody>
</table>

## Needs Addressed
- **Safety**

## Project Concerns
No known concerns at this time

## Entity Submitting
Louisa County
Route 33 and Route 22/208 Intersection Improvements

Smart Scale Application Concept
US 33 / SR 22 / SR 208
Louisa, Virginia

Source: Prepared for: Smart Scale Pre-Application Date: April 7th, 2020

Legend:
- Mill and Overlay
- Proposed Perm. Easement Area
- Property Line
- Proposed Temp. Easement Area

vib
Route 33 and Route 22/208 Intersection Improvements

Project Description
This project will provide multi-modal corridor improvements to include raised medians, sidewalks, left turn lanes, crosswalks, and an entrance splitter. This will provide greater access management along Route 33, 22, and 208 and will include bicycle and pedestrian facilities.

Cost Estimate
Preliminary Engineering .................................................$
Right of Way Acquisition ..................................................$
Construction .................................................................$

Needs Addressed

Safety  Pedestrian Access  Bicycle Access

Project Concerns
No known concerns at this time

Entity Submitting
Louisa County
US 29 and Oak Ridge Road Improvements

PROPOSED ALIGNMENT WIDENING
35MPH DESIGN SPEED
PHASE 1

ASSUMPTIONS
THOMAS NELSON HWY (ROUTE 29)
RURAL PRINCIPAL ARTERIAL (GR-1)
DESIGN SPEED = 65 MPH
CROSS BUCK = 100 FT
SHOULDER WIDTH = 14'
OAK RIDGE ROAD (ROUTE 651)
RURAL MAJOR COLLECTOR (GS-3)
DESIGN SPEED = 35 MPH
LANE WIDTH = 12'
SHOULDER WIDTH = 8'

LEGEND
EXISTING PAVEMENT
PROPOSED PAVEMENT
REMOVE EXISTING ROADWAY
ENTRANCE GUTTER

NOTE: POTENTIAL RIGHT-OF-WAY, UTILITIES, EASEMENTS, UNMINED AND DRAINAGE IMPACTS ARE NOT SHOWN
US 29 and Oak Ridge Road Improvements

Project Description
This project will provide turn lane improvements on US 29 North and South along with intersection improvements on Oak Ridge Road to provide additional capacity with a lane addition up to Diggs Mountain.

Cost Estimate
- Preliminary Engineering ........................................... $0.575 million
- Right of Way Acquisition ....................................... $0.855 million
- Construction ......................................................... $2.81 million

Needs Addressed
- Safety
- Congestion

Project Concerns
No known concerns at this time

Entity Submitting
Nelson County
Route 6 & Route 151 Intersection Improvements

Project Description
This project will replace the existing un-signalized T intersection with a single lane roundabout. This will reduce conflict points and improve safety at the intersection.

Cost Estimate
- Preliminary Engineering ............................................... $0.6 million
- Right of Way Acquisition ............................................. $2.3 million
- Construction ............................................................... $3.5 million

Needs Addressed
Safety

Project Concerns
No known concerns at this time

Entity Submitting
Nelson County
Route 151 at Tanbark Drive Intersection Improvements

Route 151 & Route 840
Concept Sketch

Legend
- 45mph advisory signs
- Regrading
- Rumble strips
- Stop Sign Relocation
- Striping
Route 151 at Tanbark Drive Intersection Improvements

Project Description
This project will provide intersection and safety improvements by regrading Tanbark Road to improve visibility to Route 151 and regrading the embankment in the southwest and southeast quadrants.

Cost Estimate
Preliminary Engineering ........................................ $0.56 million
Right of Way Acquisition ........................................ $1.2 million
Construction ......................................................... $3.7 million

Needs Addressed

Safety

Project Concerns
No known concerns at this time

Entity Submitting
Nelson County