Pre-Application Training

February 22, 2022
Website Update - **Apply/Resources**

- **Updated** Round 5 Technical Guide
- **Updated** Round 5 Technical Guide Track Changes Version
- **New** Design Waivers Design Exceptions Policy Guidance
- **New** Delivery and Funding Guidance
- **Updated** Safety Assessment Form (Excel)
- **Updated** Project Change Guide
- **Removed** Transit Project Detail Forms
- **Removed** Pre-Application Coordination Form (Attachment A)

- Previous Round Materials
Website Update - **Current Projects**

- Previous Round Scores
- Project Updates (refer to Project Change Guide)
- Link to dashboard
- New pre-application question: Has scope been finalized?

## Project Information

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Principal Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screenshots</td>
<td></td>
</tr>
</tbody>
</table>

**Project Short Description**

- Improvements to non-VDOT maintained roadways?

**Has Scope been finalized?**
Readiness – Part 1

- Cost Estimate
- Sketch
- Matching and Cohesive?
- Description
- SUPS
- Portfolio Map

SMART SCALE
Funding the Right Transportation Projects in Virginia

Office of the Secretary of Transportation
## Clarified study requirements – Interchange Projects

<table>
<thead>
<tr>
<th>Project Feature Selected</th>
<th>Warning Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improve Grade-Separated Interchange OR New Interchange, Limited Access Facility or</td>
<td>Provide a draft or final Interchange Access Report (IAR), Operational and Safety Analysis Report (OSAR) or similar planning study that includes an alternatives analysis and supports the proposed alternative. The report or study shall address the appropriate elements described in <a href="http://example.com">IIM-LD-200.11</a> and <a href="http://example.com">Traffic Operations and Safety Manual (TOSAM)</a> guidelines for the proposed access modifications. Concurrence of the appropriate District and Assistant State Location and Design Engineer is required. <strong>FHWA coordination may be required.</strong></td>
</tr>
<tr>
<td>Intersection Improvement(s)</td>
<td>Provide a draft or final Interchange Access Report (IAR) or similar planning study that includes an alternatives analysis and supports the proposed alternative. The report or study shall address the elements described in <a href="http://example.com">IIM-LD-200.11</a> and <a href="http://example.com">Traffic Operations and Safety Manual (TOSAM)</a> guidelines for a new interchange. <strong>Concurrence of the appropriate District and Assistant State Location and Design Engineer is required.</strong></td>
</tr>
<tr>
<td>Ramp Improvement(s)</td>
<td>Provide a draft or final Operational and Safety Analysis Report (OSAR) or similar planning study that includes an alternatives analysis and supports the proposed alternative. The report or study shall address the appropriate elements described in <a href="http://example.com">IIM-LD-200.11</a> and <a href="http://example.com">Traffic Operations and Safety Analysis Manual (TOSAM)</a> guidelines for the minor access modifications related to ramps, ramp termini, and traffic control. Concurrence of the appropriate District and Assistant State Location and Design Engineer is required. <strong>SMART SCALE readiness requirements exempt acceleration and deceleration lane extensions, but an OSAR or similar study could be required by VDOT if selected for funding.</strong></td>
</tr>
</tbody>
</table>
# Clarified study requirements

<table>
<thead>
<tr>
<th>Project Feature Selected</th>
<th>Warning Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add New Through Lane(s)</td>
<td>Provide a Planning Study/Safety Study to support this feature documenting a preferred alternative that is consistent with the scope described in the application. If a major widening (two or more lanes), the planning study must include an alternatives analysis that considers improvements without widening.</td>
</tr>
<tr>
<td>ITS Improvement(s) / Adaptive Signal Control</td>
<td>Provide a study that includes an operational analysis to support this feature documenting a preferred alternative that is consistent with the scope described in the application.</td>
</tr>
<tr>
<td>Innovative Intersection(s) / Roundabout(s)</td>
<td>Provide a traffic operational analysis (i.e., HCS, Synchro, SIDRA, etc.) to support this feature based on directions in Traffic Operations and Safety Manual (TOSAM).</td>
</tr>
<tr>
<td>Managed Lane(s) (HOV/HOT/Shoulder)</td>
<td>Provide a study that includes an operational analysis to support this feature documenting a preferred alternative that is consistent with the scope described in the application. If a major widening (two or more lanes), the planning study must include an alternative analysis that considers improvements without widening.</td>
</tr>
<tr>
<td>Road Diet</td>
<td>Provide a traffic operational analysis (i.e., HCS, Synchro, etc.) to support this feature.</td>
</tr>
<tr>
<td>Roadway on New Alignment</td>
<td>Provide a Planning Study/Safety Study to support this feature documenting a preferred alternative that is consistent with the scope described in the application. The planning study must include an alternatives analysis that considers improvements, not a new alignment.</td>
</tr>
<tr>
<td>Improve Park and Ride Lot, New Park and Ride Lot</td>
<td>Include a project sketch that depicts the lot location, boundaries, entry and exit points, parking space layout, increased number of parking spaces, transit circulation, and amenities where applicable.</td>
</tr>
</tbody>
</table>
## Readiness – Part 2

### Pick one feature to cover a component

<table>
<thead>
<tr>
<th>Project Feature Selected</th>
<th>Warning Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bike/Pedestrian Other</td>
<td>This feature should only be selected when the project feature doesn't fit into another feature.</td>
</tr>
<tr>
<td>Highway Other</td>
<td>This feature should only be selected when the project feature doesn't fit into another feature. Examples may include improving pavement markings and/or signage, concrete barriers, overhead signage, rumble strips, or lighting.</td>
</tr>
<tr>
<td>Intersection Improvement(s)</td>
<td>This feature should only be selected when the project feature doesn't fit into another feature. Examples may include realignment or other geometric improvements.</td>
</tr>
<tr>
<td>TDM Other</td>
<td>This feature should only be selected when the project feature doesn't fit into another feature. Examples include ridesharing or teleworking features.</td>
</tr>
</tbody>
</table>
Eligibility Updates

- Projects that **duplicate exact project components** in the same location as another submitted application **are not eligible.**
- Exception
  - submitted as one complete scope with additional applications submitted with either a phased or an alternative approach.
- Projects that will replace bicycle and pedestrian facilities **must be upgraded from substandard to standard** unless non-SMART SCALE funds are leveraged for the bicycle and pedestrian components.
- **Non-standard materials are not eligible** for SMART SCALE funds, and use of such materials shall adhere to the IIM-LD-218.4
Legislative Requirements

Round 5 Scorecard Additions

• H.B. 561 (2020) - relating to project evaluation on primary evacuation routes
• H.B. 2071 (2021) - relating to whether a project has been designed to be resilient when evaluating projects for the prioritization process and consider resiliency when establishing the Statewide Transportation Plan
Round 5 Methodology Changes

• **Revised Measures**
  - Environmental E.1 – Air Quality
  - Environmental E.2 – Impact to Natural and Cultural Resources
  - Transportation Efficient Land Use L.1 & L.2
  - Factor Weighting
  - Safety S.1, S.2 - EPDO updated to reflect latest federal guidance

• **For an overview refer to:**
  - October 2021 CTB Meeting
  - November 2021 WebEx
  - Round 5 Technical Guide
## Delivery and Funding Guidance

### Estimation:

**DO's**
- Use FY2022 as the base year when developing/reviewing estimates.
- Ensure adjustments for FY2022 for any costs previously developed or when using various estimating tools.
- Assume VDOT Administration in estimate development for purposes of application validation consistency.
- Include a Cost Estimate Workbook with each submitted application (REQUIRED).

**DON'T**
- Submit an old estimate with inflation applied.

### Schedules:

**DO's**
- Use FY2022 as the first year of available funding (3rd year of FY24-25 SPWP).
- August 2025 Start Date for first unfunded phase (ex. PE start) if brand new project.
- Reference VDOT Administered PWA Templates to set phase durations.

**DON'T**
- Provide a start date ahead of the first year of available funding if there is no leveraged funding in earlier fiscal years to support the project schedule.

### Funding:

**DO's**
- Provide funding information from the most recently approved SPWP when identifying existing funding on projects.
  - January 2022 SPWP (Pre-App).
  - June 2022 SPWP (Full-App).
- Ensure any leveraged funding is sufficient to justify the project start date and phase durations.
- Ensure any leveraged funding has been approved or applied for prior to submission.

**DON'T**
- Provide leveraged funding that has not yet been approved or applied for (ex. Future applications for funding).

### Validation Thresholds:

<table>
<thead>
<tr>
<th>CN Phase Est</th>
<th>Validation Requirements</th>
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</thead>
<tbody>
<tr>
<td>$10M or more</td>
<td>Requires CO L&amp;D review. Detailed review performed. CO L&amp;D will provide estimate review comments to District. District responsible for addressing comments internally, unless there is a major discrepancy.</td>
</tr>
<tr>
<td>$50M or more</td>
<td>Requires CO L&amp;D concurrence. Independent estimate performed. CO L&amp;D will provide estimate review comments to District. District must respond to all tasks and risks in accordance with Assistant State L&amp;D Engineer.</td>
</tr>
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</table>

**10% Review**
- 10% of all applications will be randomly selected for validation which includes estimate review and comments provided directly in the SMART Portal.

### Validation Requirements:

- Ensure the following information items are consistent: Application Features, Project Sketch, Status Understanding of Project Scope, and Estimate.
- Ensure there are no inconsistencies that prevent independent estimate validation.
- Ensure that the sketch and description provide adequate, consistent information for independent estimate validation.
- Ensure that the Cost Estimate Workbook (CEWB) has been provided.

_Estimate Review Requests Will Be Pushback If The Above Requirements Are Not Met._

### Validation Checklist:

- Upload the CEBW into the Smart Portal.
- Store detailed documentation and estimating tools in a consistent location in ProjectWise.
- Use a standard folder and file naming convention.
- Include Utility/RW phase backup documentation.
- Ensure that backup documentation is consistent with the cost information summarized in the Cost Estimate Workbook (CEWB).

### Contact:

- Jason Robinson, VDOT-HID - jason.robinson@vdot.virginia.gov
- Vernon Heishman, VDOT-L&D - vernon.heishman@vdot.virginia.gov
P4P to Pre-Scoping to Pre-Application

- Link to Pre-Scoping Training
- Apply/Resources Page

Pre-Scoping Module Training Dec. 2, 2021

- Pre-Scoping Module Training Video
- Pre-Scoping Module Training Video Timestamp Reference (PDF)
- Pre-Scoping Module Training Presentation (PDF)
- Pre-Scoping Module Frequently Asked Questions (PDF)
- Pre-Scoping Module Risk Assessment Scale (Excel)

Pathways for Planning*

- Pathways for Planning Website
- Pathways for Planning Training
Overview

• Mechanics of connecting P4P recommendations into the SSRD5 Pre-App
<table>
<thead>
<tr>
<th>Recommendation Name: Jaguar Trail Proposed Improvements</th>
<th>Recommendation Date: 08/29/2021</th>
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</thead>
<tbody>
<tr>
<td>Point of Contact Users:</td>
<td>Study Editors:</td>
</tr>
<tr>
<td>Geraldine S. Jones (<a href="mailto:geraldine.jones@vdot.virginia.gov">geraldine.jones@vdot.virginia.gov</a>)</td>
<td>Regina Moore (<a href="mailto:regina.moore@vdot.virginia.gov">regina.moore@vdot.virginia.gov</a>)</td>
</tr>
<tr>
<td>Regina Moore (<a href="mailto:regina.moore@vdot.virginia.gov">regina.moore@vdot.virginia.gov</a>)</td>
<td>Jurisdiction:</td>
</tr>
<tr>
<td></td>
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<td>MPOs:</td>
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<td>P&amp;Ds:</td>
<td>If Location Type is Other, please specify:</td>
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<td>No item selected</td>
<td>Recommendation Scale:</td>
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<td>Location ID:</td>
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<td>Recommendation Improvement Types:</td>
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<tr>
<td>Intersection Treatments</td>
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<tr>
<td>Improve Geometry</td>
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</tbody>
</table>
Pathways for Planning

SMART SCALE
Funding the Right Transportation Projects in Virginia

Office of the Secretary of Transportation
New Application

Select a program below to begin a new application.

Program

Pre-Scoping

Pathways for Planning

Use the tool below to upload a zip file from P4P.
A new Pre-Scoping Application will be created based on the recommendation data.

Choose File
No file chosen
Pre-Scoping

Viewing Pre-Scoping 2022 Application

Jaguar Trail Proposed Improvement

Imported from P4P Recommendation

Project Status: Pending
Organization: Roanoke County
Project ID: 8847

Last Updated: 02/17/2022 @ 10:01AM by Sarah Rhodes
Pre-Scoping

Point of Contact Information

Point of Contact

Project Information

Project Title
Jaguar Trail Proposed Improvement

Project Short Description
As noted earlier in this report, there were a limited number of pedestrians crossing at this intersection when traffic counts were collected in May 2019. There was one pedestrian crash reported at this intersection in March 2017 that resulted in a visible injury. The crash was reported at nighttime while it was raining. A majority (65 percent) of the reported crashes were rear-end crashes involving vehicles on Route 50 as they approached the traffic signal-controlled intersection. During the stu

☑ Does this project include any improvements to non-VDOT maintained roadways?

VDOT District
Central Office

Application Program Requested
<table>
<thead>
<tr>
<th>Pre-Scoping</th>
<th>Bicycle and Pedestrian Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Check the following as applicable to your bike/pedestrian improvements.</td>
</tr>
<tr>
<td></td>
<td>- Add/Construct Bike Lane</td>
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<td>- Construct Shared-Use Path</td>
</tr>
<tr>
<td></td>
<td>- Construct Sidewalk</td>
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<tr>
<td></td>
<td>- Improve Bike/Pedestrian Crossing (At Grade)</td>
</tr>
<tr>
<td></td>
<td>- Improve Bike/Pedestrian Crossing (Grade Separated)</td>
</tr>
<tr>
<td></td>
<td>- Bike/Pedestrian Other</td>
</tr>
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<td></td>
<td>Comment</td>
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<td></td>
<td>Pedestrian Improvements, Crosswalk, Pedestrian Signal Head, Pedestrian Refuge Island, Pedestrian Linkage</td>
</tr>
</tbody>
</table>
Pre-Scoping

Custom VTrans Need

- Project addresses safety need not identified in VTrans (will require upload of safety study as supporting documentation).

Legend
- Project Linework

Location

Office of the SECRETARY of TRANSPORTATION
SSRD5 Pre-Application

New Application
Select a program below to begin a new application.

Program
SMART SCALE Pre-Application 2024

Use Previous Application
Create New Application
SSRD5 Pre-Application

New Application
Select a program below to begin a new application.

- SMART SCALE Pre-Application 2024

Select an application below to clone

- Pre-Scoping
- Revenue Sharing
- SMART SCALE
- State of Good Repair Bridge
- State of Good Repair Pavement
- TA Self-Aside

Office of the Secretary of Transportation
SSRD5 Pre-Application

Viewing SMART SCALE 2024 Pre-Application

Jaguar Trail Proposed Improvement
Questions
Portal Reminders

- CTRL+F5 (Hard Refresh)
- Supported Browsers
  - Chrome
  - Firefox
General Portal Updates

- Reintroducing ranking applications, not required to submit (always in Technical Guide)
- **VTrans Need**
  - 2019 Mid-Term Need Acceptable
  - Safety Need
    - 3+ Fatal or Injury crashes at the intersection/segment over the last five years
  - Needs not displayed are searchable and selectable using the Location ID
- **Transit Pearl**
  - Added to the Portal to replace the inputs previously required by the Transit Forms
General Portal Updates

- **Location Pearl**
  - Project Area will adjust itself based upon what is entered for Project Linework
  - Transit Map will be available as an extension of the Transit Pearl

- **Economic Development**
  - Optional to fill out at pre-application, available to give applicants and state staff a headstart on the application and screening process

- **Features and Factors and SUPS (Oh, my!)**
  - Optional to fill out at pre-application, available to give applicants and state staff a headstart on the application and screening process
General Portal Updates

- **Supporting Documents Pearl**
  - New field to list which documents have Turning Movement Counts

和支持性文件 Pearl
- 新字段，列出哪些文档包含 Turning Movement Counts

Were all supporting documents requested by the messages during Features selection provided? This will not affect your ability to submit a pre-application, but will flag your Application for further scrutiny upon receipt of the full application.

- Yes
- No

Upload an Attachment

<table>
<thead>
<tr>
<th>Description/File Name:</th>
<th>Attachment Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

清空筛选器

No Attachments

Turning Movement Count Location

Please write in which attachments have TMCs. If any:

Office of the Secretary of Transportation
Portal Schedule

2022

April 1
5:00 PM
Pre-Application Demo