

SMART SCALE Pre-Application

JSR Training Application

Project Status: Pre-Screening
 District: Bristol
 Organization: Abingdon Town
 Project ID: 11407-Pre

General

Point of Contact Information

| | | |
|--|---|---|
| Project Point of Contact Name Jonathan Robbins | Project Point of Contact Email Jonathan.Robbins@oipi.virginia.gov | Project Point of Contact Phone (804) 786-5130 |
|--|---|---|

Project Information

| | |
|--|---|
| Project Title JSR Training Application | Principal Improvement Highway |
|--|---|

Project Description

A new 0.9 mile road will be constructed between the end of Suffolk Drive and Branch Street. This project will increase transit service via the Mountain Lynx loop systems through the Town of Abingdon and add ITS improvements to facilitate the new high-capacity route capabilities along Main Street from Russell Street to Trigg Street; add four new stops with shelters. This will also replace existing sidewalk on the north side of Main Street between Cummings Street and Boone Street with a 10-foot shared use path. There will also be the addition of vanpool service between Food Country and the Oak Park Center for Business and Industry.

| | | |
|--|---|---------------------------------|
| Improvements to non-VDOT maintained roadways? No | Application Program Requested District Grant, Statewide High Priority | VDOT District Bristol |
| Has Scope been finalized? No | | |

Project Eligibility

Project Eligibility

Is the project a study?
No

Is the project a capacity enhancement, operational improvement, ITS or technology improvement, or safety project?
Yes

Does the project include major features that are either contiguous, proximate, or of the same improvement type? For the purpose of this question and the CTB policy contiguous means adjacent or together in a sequence. Transit stops or stations along a transit route or intersections or spot improvements along a corridor meet the definition of contiguous for the purposes of the project eligibility policy.
Yes

Is project currently fully funded and included in a Capital Improvement Program, MPO Transportation Improvement Program (TIP), or the VDOT, DRPT, or NVTA Six-Year Improvement Program(s)?
No

Does this application overlap with a previously funded SMART SCALE project?
No

Does this application include improvements recommended as the preferred alternative in a STARS, Pipeline Study, Arterial Management Plan, or MPO/Transit/Local studies with equivalent study components; in coordination with the Commonwealth and is as defined as Regionally significant, in accordance with 23 CFR 450.104?
No

Does the project include a commitment by a developer through a local zoning approval process (proffered condition)?
No

Is any part of your project within an established MPO study area?
Yes

Is your project identified in or consistent with the regionally adopted Constrained Long Range Plan (CLRP)?
Yes

Link to documentation showing inclusion or consistency with the regionally adopted CLRP

See Supporting Documents

Features

Highway Improvements

Roadway on New Alignment

Yes

Comment

Construct a two-lane, 0.9 mile road with 4 foot shoulders and a posted speed of 25 miles per hour between Suffolk Drive and Branch Street.

ITS Improvement(s) / Adaptive Signal Control

Yes

Comment

Install adaptive, coordinated signals at all currently signalized intersections along Main Street between Trigg Street at Main Street and Russell Road at Main Street.

Bicycle and Pedestrian Improvements

Construct Shared-Use Path

Yes

Comment

Replace existing sidewalk on the north side of Main Street between Cummings Street and Boone Street with a 10-foot shared use path.

Bus Transit Improvements

Increase Existing High-Capacity or Fixed-Guideway Route/Service

Yes

Comment

Purchase two new transit van/buses - one for each of the Blue and Silver loop - to increase service headways to 20 minutes.

Construct or Improve Bus Stop / Shelter

Yes

Comment

Add four new stops with shelters at Whites Mill Road at Summers Street, East Main Street at Deadmore Street, West Main Street at Cummings Street, and Colonial Road at Stone Mill Road.

Travel Demand Management (TDM) Improvements(s)

New/Expanded Vanpool or On-Demand Transit Service

Yes

Comment

Purchase two passenger vans for vanpool service between Food Country and the Oak Park Center for Business and Industry.

Right-of-Way and Utilities

Includes Utility Relocations

Yes

Comment

12 utility poles will have to be transferred from the north to the south side of Main Street.

Transit

Transit and Rail Improvements

New or improved transit or rail service

Yes

Stop or station amenities

Yes

Location

Location Details

Areas Served**Districts Served**

- Bristol

MPOs Served

- Bristol Metropolitan Planning Organization

PDCs Served

- Mount Rogers

Jurisdictions Served

- Abingdon Town
- Washington County

Functional Classifications

- Minor Arterial
- Major Collector

Transportation Management
Areas
•

Priority Linework
• APN
• COSS

Need Justifications

| Location Id | Location Name | Need Category | Market | Justification |
|--------------------|---------------|--------------------------|--------|---|
| 001191249744399023 | US-11S | TDM (Non-Limited-Access) | CoSS | Vanpool to move workers to employment center. |

Transit Verification

By checking this box, I am verifying that I have completed the applicable transit mapping for this project.

Yes

Custom VTrans Needs

Project Readiness

Project Readiness

Do you expect your project to entail a Design Waiver/Design Exception as required by IIM-LD-227.14?

Yes

Readiness Gate 1

Gate Text: Applicant acknowledges the above requirements and confirms that the supporting document for this feature will be completed and provided before July 15th.

Document Text: Provide a completed SMART SCALE Design Waiver/Design Exception Summary Form or other documentation addressing the requirements of IIM-LD-227. This form must have confirmation from the following VDOT staff by July 15th: - District L&D Engineer Contact your SMART SCALE representative for more information. A list of contacts can be found on the SMART SCALE website: <http://www.smartscale.org/apply/default.asp>

| Reviewer | Name | Agreed On | Comment |
|-----------|------------------|----------------------|---------|
| Applicant | Jonathan Robbins | 2/28/2024 3:44:03 PM | |

Roadway on New Alignment

Readiness Gate 1

Gate Text: Applicant acknowledges the above requirements and confirms that the indicated staff will be engaged before April 30th and that the supporting document for this feature will be completed and provided before July 15th.

Document Text: Provide a Planning Study/Safety Study, which includes an operational analysis and documents a preferred alternative that is consistent with the scope described in the application to support this feature. The study must include an alternatives analysis that considers improvements not on a new alignment. The following VDOT staff must be engaged in the creation or review of this document before April 30th: - District L&D Engineer The document supporting this feature must have confirmation from the following VDOT staff by July 15th: - District Traffic Engineer - District L&D Engineer - District Environmental Manager - Assistant State L&D Engineer Contact your SMART SCALE representative for more information. A list of contacts can be found on the SMART SCALE website: <http://www.smartscale.org/apply/default.asp>

| Reviewer | Name | Agreed On | Comment |
|-----------|------------------|----------------------|---------|
| Applicant | Jonathan Robbins | 2/28/2024 3:44:06 PM | |

Readiness Gate 2

Gate Text: Staff confirms that they have been engaged in the creation or review of the required supporting document for this feature and believe that the document will be completed before July 15th.

Gate Text: Staff confirms that they have been engaged in the creation or review of the required supporting document for this feature and believe that the document will be completed before July 15th.

| Reviewer | Name | Agreed On | Comment |
|----------------------------------|------|-----------|---------|
| District L&D Engineer | | | |
| Assistant State Traffic Engineer | | | |

ITS Improvement(s) / Advanced Signal Control

Does this project include corridor-wide advanced signal control improvements?

Yes

Readiness Gate 1

Gate Text: Applicant acknowledges the above requirements and confirms that the supporting document for this feature will be completed and provided before July 15th.

Document Text: Provide a Planning Study/Safety Study which includes an operational analysis and documents a preferred alternative that is consistent with the scope described in the application. The document supporting this feature must have confirmation from the following VDOT staff by July 15th: - District Traffic Engineer - Assistant State Traffic Engineer Contact your SMART SCALE representative for more information. A list of contacts can be found on the SMART SCALE website: <http://www.smartscale.org/apply/default.asp>

| Reviewer | Name | Agreed On | Comment |
|-----------|------------------|----------------------|---------|
| Applicant | Jonathan Robbins | 2/28/2024 3:44:08 PM | |

Factors

Accessibility

| Accessibility | Response | Supporting Information |
|--|----------|------------------------|
| 1- Project includes transit system improvements or reduces delay on a roadway with scheduled peak service of one transit vehicle per hour. | YES | |
| 2- Project includes improvements to an existing or proposed park and ride lot (e.g., new lot, more spaces, entrance/exit, technology (payment, traveler information)). | N/A | |
| 3- Project includes improvements to existing or new HOV/HOT lanes or ramps to HOV/HOT. | | |
| 4- Project includes construction or replacement of bike facilities. For bicycle projects, off-road or on-road buffered or clearly delineated facilities are required | YES | |
| 5- Project includes construction or replacement of pedestrian facilities. For pedestrian projects, sidewalks, pedestrian signals, marked crosswalks, refuge islands, and other treatments are required (as appropriate). | YES | |
| 6- Project provides real-time traveler information or wayfinding specifically for intermodal connections (access to transit station or park and ride lot). | | |
| 7- Provides traveler information or is directly linked to an existing TMC network/ITS architecture. | | |


Environment

| Environment | Response | Supporting Information |
|--|----------|------------------------|
| 1- Project includes improvements to rail transit or passenger rail facilities? | N/A | |
| 2- Project includes construction or replacement of bike facilities. For bicycle projects, off-road or on-road buffered or clearly delineated facilities are required (i.e. Bike Lane or Shared Use Path). | YES | |
| 3- Project includes construction or replacement of pedestrian facilities. For pedestrian projects, sidewalks, pedestrian signals, marked crosswalks, refuge islands, and other treatments are required (as appropriate). | YES | |
| 4- Project includes improvements to an existing or proposed park-and-ride lot (e.g., new lot, more spaces, entrance/exit, technology (payment, traveler information)). | N/A | |
| 5- Project includes bus facility improvements or reduces delay on a roadway with scheduled peak | YES | |

service of one transit vehicle per hour.

6- Project includes energy efficient infrastructure or fleets, including: hybrid or electric buses, electronic/open road tolling, alternative energy infrastructure (e.g., roadside solar panels).

7- Project includes improvements to freight rail network or intermodal (truck to rail) facilities/ports/terminals

 Delivery & Funding

Project Delivery Information

Project Planning Status

- Constrained Long Range Plan (MPO)

Phase Estimate and Schedule

| | | | |
|------------------------------------|-----------------------------------|-------------------------------------|-----------------|
| Phase Milestone | | Status | |
| PE (Survey, Environmental, Design) | | Not Started | |
| Base Cost Estimate | Risks/Contingency/Unknowns | Start Date | End Date |
| \$1,000,000.00 | 5.00% | 2027-08-02 | |
| CEI | | Phase Estimate + Contingency | |
| | | \$1,050,000.00 | |

| | | | |
|--|-----------------------------------|-------------------------------------|-----------------|
| Phase Milestone | | Status | |
| RW (Right of Way and Easement Acquisition, Utility Relocation) | | Not Started | |
| Base Cost Estimate | Risks/Contingency/Unknowns | Start Date | End Date |
| \$2,500,000.00 | 10.00% | 2029-08-06 | |
| CEI | | Phase Estimate + Contingency | |
| | | \$2,750,000.00 | |

| | | | |
|---|-----------------------------------|-------------------------------------|-----------------|
| Phase Milestone | | Status | |
| CN (Construction, Oversight, Contingencies) | | Not Started | |
| Base Cost Estimate | Risks/Contingency/Unknowns | Start Date | End Date |
| \$5,000,000.00 | 5.00% | 2031-08-04 | 2032-08-04 |
| CEI | | Phase Estimate + Contingency | |
| 12.00% | | \$5,850,000.00 | |

Total Cost Estimate
\$9,650,000

Project Funding Sources

SYIP Allocation

Total SYIP Allocations
\$0.00

Other Committed Funds

| Other Funds Committed to Project | Description of Fund Type | Amount |
|----------------------------------|--------------------------|----------------|
| County Taxes/ Bond Revenue | Abingdon Town bond | \$2,000,000.00 |

Total Other Committed Funds
\$2,000,000.00

Project Financial Information

Total SYIP Allocations

\$0.00

Total Other Committed Funds

\$2,000,000.00

Total Requested Funds


\$7,650,000.00

Total Project Funding

\$2,000,000.00

Total Cost Estimate

\$9,650,000.00

 Supporting Documents

Supporting Documents

Are all the supporting documents requested in final form at this time?

Yes

| Attachment Type | Description | File Name | Is Cloned | Upload Date |
|---|--------------------------------|--------------------------------|-----------|---------------------|
| CLRP Document | MPO_CLRP_Support.pdf | MPO_CLRP_Support.pdf | No | 2024-02-27 14:37:27 |
| Existing or Projected Transit Ridership | Mountain_Lynx_Ridership.xlsx | Mountain_Lynx_Ridership.xlsx | No | 2024-02-28 15:46:28 |
| Project Sketch | rd6-projectsketch_onepager.pdf | rd6-projectsketch_onepager.pdf | No | 2024-02-28 15:46:47 |
| Planning Study/Safety Study | Planning_Safety_Study.pdf | Planning_Safety_Study (1).pdf | No | 2024-02-28 15:47:26 |

 State's Understanding

State's Understanding of Project Scope

| Reviewer | Agreed On | Disagreed On |
|--------------------|-----------|--------------|
| District Validator | | |
| Applicant | | |



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