

## SMART SCALE 2016 Form Application

### Plantation Road Bicycle, Pedestrian and Streetscape Phase II

Project Status: Processed

Project ID: F2-0000001310-R02

Created: 08/12/2016 @ 5:39PM by David Holladay

Last Updated: 10/26/2016 @ 1:21PM by Carol Linkenhoker

Submitted: 10/03/2016 @ 5:42PM by David Holladay

#### General

##### Point of Contact Information

**Project Point of Contact Name**

David Holladay

**Point of Contact Phone**

(540) 772-2094

**Point of Contact Email**

dholladay@roanokecountyva.gov

##### Project Information

**Short Project Description**

Continue the Plantation Road Project by constructing sidewalk, curb, gutter, drainage systems and landscaping between Walrond Drive and Gander Way, on the west side of Plantation Road. Add pedestrian signals and crosswalks at the Gander Way signal.

**Notice of Intent**

Yes

**Project Title**

Plantation Road Bicycle, Pedestrian and Streetscape Phase II

**Principal Improvement**

Bike/Pedestrian

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

No

**Detailed Project Description**

Continue the Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project by constructing sidewalk, curb, gutter, drainage systems and landscaping between Walrond Drive and Gander Way, on the west side of Plantation Road. Add pedestrian signals and continental crosswalks to the Gander Way/Friendship Lane traffic signal. Ninety percent plans for this phase were developed in November, 2015. Those plans will be completed and advertised for construction. Right of way has already been acquired for this phase.

**SMART SCALE Need Categories**

Urban Development Area  
Regional Network

**Application Program**

District Grant  
Statewide High Priority

**How does this project address VTrans 2040 need?**

The VTRANS 2040 Roanoke MPO Region Needs Summary Map shows activity center-based needs for Modal Choice and Walkable/Bikeable Places along Plantation Road in the Hollins area. This sidewalk project will improve pedestrian safety and circulation within the Roanoke County - I81 / Glenvar / Hollins Designated Growth Area. The Plantation Road activity center is the densest employment center in Roanoke County. The project lies between two Corridors of Statewide Significance: Interstate 81 and Route 11. This phase will continue the Plantation Road Pedestrian, Bicycle and Streetscape Improvement Project, improving modal choice for bicyclists and pedestrians. The Lila Drive/Rt 115 intersection Safety Improvements Project, a funded HB2 project, is also a component of the Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project and is located 375 feet to the south of Walrond Drive.

 Location

LOCATION DATA GOES HERE

 Features

**Project Features**

**Highway**

<b>Improvement</b>	<b>Comments</b>
Road Diet	Narrow existing lanes in Plantation Road to achieve space to construct improvements.
Intersection Improvement(s)	The Walrond Drive/Plantation Road intersection will be widened and realigned to be more perpendicular to Plantation Road. These improvements will improve sight distance for drivers turning left and right out of Walrond Drive and will provide a right and left turn lane where there is currently no space for separate queueing space. New curb and gutter will also reduce significant ponding at this intersection during rain events and will eliminate the ditch at the corner of the Duncan property where vehicles including tractor trailers frequently drop off the road.
Turn Lane Improvement(s)	A new right turn lane will be constructed on Walrond Drive for turning movements onto Plantation Road. Turn lanes and entrances to two hotels, P D Lodging and Plantation Hotels, will be reconfigured and relocated.
Highway Other	Adding curb, gutter and storm drains where there are none will improve drainage and reduce ponding on Plantation Road and Walrond Drive.

**Bike/Pedestrian**

<b>Improvement</b>	<b>Comments</b>
Construct Sidewalk	Construct sidewalk between Walrond Drive and Gander Way, along west side

Improve Bike/Pedestrian Crossing (At Grade)

Bike/Pedestrian Other

of Plantation Road, to connect with sidewalk south of Walrond Drive to be constructed with Phase I in 2017. Install pedestrian crosswalk at Walrond Drive, as well as pedestrian signals and continental crosswalks on two legs of the Gander Way/Friendship Lane intersection. Street trees are planned to shade the sidewalk for pedestrians.

**Bus Transit**

**Improvement**

**Comments**

**Rail Transit**

**Improvement**

**Comments**

**Freight Rail**

**Improvement**

**Comments**

**Travel Demand Management (TDM)**

**Improvement**

**Comments**

**Right of Way**

**Improvement**

Right of Way/Easements acquisition required

**Comments**

All right of way for this phase has been acquired / donated. See Plantation Road Phase II Recorded Deeds for additional information.

 **Factors**

**Accessibility**

<b>Accessibility</b>	<b>Response</b>	<b>Additional Notes</b>
Project includes transit system improvements or reduces delay on a roadway with scheduled peak service of one transit vehicle per hour.	No	
Project includes improvements to an existing or proposed park and ride lot (e.g., new lot, more spaces, entrance/exit, technology (payment, traveler information)).	No	
Project includes construction or replacement of bike facilities. For bicycle projects, off-road or on-road buffered or clearly delineated facilities are required.	No	
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	Pedestrian signals and continental crosswalks at Gander Way. Pedestrian crosswalk across Walrond Drive.
Project includes improvements to existing or new HOV/HOT lanes or ramps to HOV/HOT.	No	

Project provides real-time traveler information or wayfinding specifically for intermodal connections (access to transit station or park and ride lot).	No
Provides traveler information or is directly linked to an existing TMC network/ITS architecture.	No

### Land Use and Transportation Coordination

Land Use	Response	Additional Notes
Is the project within 1/4 mile of parcels currently zoned for mixed use development or parcels identified in the future land use plan as mixed use development?	Yes	The C1 Low Intensity Commercial District and C2 High Intensity Commercial District allow mixed residential and commercial uses. The Transition Future Land Use designation also allows for mixed uses. See the attached Plantation Mixed Use Zoning Map and Designations and Plantation Mixed Use Future Land Use Map and Designations for additional details.
Does the project support in-fill development adjacent to the project?	Yes	There is significant redevelopment potential in the Plantation Road area and some potential adjacent to the project. See the attached Plantation Road Development Projects and Infill Potential map for additional detail.
Is there a locally/regionally adopted corridor/access management plan for the project area that addresses interparcel connectivity and exceeds VDOT's minimum spacing standards?	No	

### Environment

Environment	Response	Additional Notes
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).	No	

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	New sidewalk behind curb and grass space between Walrond Drive and Gander Way. This segment will connect to the planned sidewalk being constructed in 2017. Pedestrian signals and continental crosswalks at Gander Way. Pedestrian crosswalk across Walrond Drive.
Project includes improvements to rail transit or passenger rail facilities.	No	
Project includes improvements to an existing or proposed park-and-ride lot (e.g., new lot, more spaces, entrance/exit, technology (payment, traveler information)).	No	
Project includes bus facility improvements or reduces delay on a roadway with scheduled peak service of one transit vehicle per hour.*	No	
Project includes improvements to freight rail network or intermodal (truck to rail) facilities/ports/terminals.	No	
Project include special accommodations for hybrid or electric vehicles, or space or infrastructure for electric vehicle parking/charging).	No	
Project includes energy efficient infrastructure or fleets, including: hybrid or electric buses, electronic/open road tolling, alternative energy infrastructure (e.g., roadside solar panels).	No	

### Economic Development Factors

<b>Transportation project (Consistency with Local Comprehensive Plan or Local Economic Development Strategy)</b>	<b>Transportation project (Consistency with Regional Economic Development Strategy)</b>
Consistent with	Consistent with

Site Name	Development project (Consistent with locality Comprehensive Plan/Zoning)	Development project (Site planning status)
Church of God	Consistent with comp. plan future land use/zoning	Approved

Development project (Site Utilities status)	Development Project (Proposed / Projected Building Square Footage)	Driving Distance to Development Project From Transportation Project	Does Transportation Project Provide Direct or Indirect Access to the Development Site?
---	--	---	--

In place	6,560 sq ft	1 miles	Enhances Access Near the Site But is Not Adjacent to the Site
----------	-------------	---------	--

<b>Site Name</b>	<b>Development project (Consistent with locality Comprehensive Plan/Zoning)</b>	<b>Development project (Site planning status)</b>
Heritage Village at Hollins	Consistent with comp. plan future land use/zoning	Approved

<b>Development project (Site Utilities status)</b>	<b>Development Project (Proposed / Projected Building Square Footage)</b>	<b>Driving Distance to Development Project From Transportation Project</b>	<b>Does Transportation Project Provide Direct or Indirect Access to the Development Site?</b>
In place	36,234 sq ft	1 miles	Enhances Access Near the Site But is Not Adjacent to the Site

<b>Site Name</b>	<b>Development project (Consistent with locality Comprehensive Plan/Zoning)</b>	<b>Development project (Site planning status)</b>
Tru by Hilton	Consistent with comp. plan future land use/zoning	Approved

<b>Development project (Site Utilities status)</b>	<b>Development Project (Proposed / Projected Building Square Footage)</b>	<b>Driving Distance to Development Project From Transportation Project</b>	<b>Does Transportation Project Provide Direct or Indirect Access to the Development Site?</b>
In place	38,092 sq ft	1 miles	Enhances Access Near the Site But is Not Adjacent to the Site

<b>Site Name</b>	<b>Development project (Consistent with locality Comprehensive Plan/Zoning)</b>	<b>Development project (Site planning status)</b>
Lidl Grocery Hollins	Consistent with comp. plan future land use/zoning	Submitted

<b>Development project (Site Utilities status)</b>	<b>Development Project (Proposed / Projected Building Square Footage)</b>	<b>Driving Distance to Development Project From Transportation Project</b>	<b>Does Transportation Project Provide Direct or Indirect Access to the Development Site?</b>
In place	36,185 sq ft	1 miles	Enhances Access Near the Site But is Not Adjacent to the Site

**Site Name**

**Development project (Consistent with locality Comprehensive Plan/Zoning)**

Infill Development Potential - Indirect Access

**Development project (Site planning status)**

Consistent with comp. plan future land use/zoning

<b>Development project (Site Utilities status)</b>	<b>Development Project (Proposed / Projected Building Square Footage)</b>	<b>Driving Distance to Development Project From Transportation Project</b>	<b>Does Transportation Project Provide Direct or Indirect Access to the Development Site?</b>
In place	2,298,178 sq ft	0 miles	Enhances Access Near the Site But is Not Adjacent to the Site

**Site Name**

Infill Development Potential - Direct Access

**Development project (Consistent with locality Comprehensive Plan/Zoning)**

Consistent with comp. plan future land use/zoning

**Development project (Site planning status)**

<b>Development project (Site Utilities status)</b>	<b>Development Project (Proposed / Projected Building Square Footage)</b>	<b>Driving Distance to Development Project From Transportation Project</b>	<b>Does Transportation Project Provide Direct or Indirect Access to the Development Site?</b>
In place	13,721 sq ft	0.5 miles	Provides Primary Access to the Site or is Adjacent to the Site

 **Delivery/Funding**

**Project Delivery Information**

**Project Planning Status**

- Other Regional Plan
- State Transportation Plan
- Constrained Long Range Plan (MPO)
- Planning/Safety Study
- Transportation Element of Local Comprehensive Plan

**Project Administered By**

Locality

**Existing Project VDOT UPC(s) or DRPT Project Number(s), if applicable**

<b>UPC/DRPT Project #</b>	<b>Description</b>

**Project Delivery Method**

Design-bid-Build

**Please indicate who will be/was responsible for the design of this project**

<b>VDOT :</b>	<b>Locality:</b>	<b>Consultant:</b>
20%	100%	80%

## Phase Estimate and Schedule

### PE (Survey, Environmental, Design)

Phase Milestone		Status	
PE (Survey, Environmental, Design)		Underway	
Percent Complete	Cost Estimate	Start Date	End Date
90	\$124,723.00	08/02/2021	02/01/2023

### RW (Right of Way and Easement Acquisition, Utility Relocation)

Phase Milestone		Status	
RW (Right of Way and Easement Acquisition, Utility Relocation)		Underway	
Percent Complete	Cost Estimate	Start Date	End Date
90	\$33,600.00	06/01/2022	02/01/2023

### CN (Construction, Oversight, Inspection, Contingencies)

Phase Milestone		Status	
CN (Construction, Oversight, Inspection, Contingencies)		Not Started	
Percent Complete	Cost Estimate	Start Date	End Date
0	\$1,593,891.00	02/01/2023	11/30/2023

**Total Cost Estimate**  
\$1,752,214.00

## Project Funding Sources

**SYIP Allocations**  
**SMART SCALE Amount Requested**  
**Other Committed Funding Amount**  
**Total Proposed Project Funding**

\$1,752,214.00

\$1,752,214.00

## Supporting Documents

### Current Attachments

 [Get All Attachments as Zip \(/api/file/GetAll?applicationId=F2-0000001310-R02\)](/api/file/GetAll?applicationId=F2-0000001310-R02)

**Description**  
Roanoke County BOS Resolution of Support



**Attachment Type**

Resolution of Support

**File Name**

09-13-#1-br-Smart Scale Resolution.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=09-13-%231-br-Smart%20Scale%20Resolution.pdf)

**Description**

RVTPO Letter of Support

**Attachment Type**

Letter of Support

**File Name**

2016ltrofsupport.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=2016ltrofsupport.pdf)

**Description**

RVTPO Regional Pedestrian Vision Plan Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

REGIONAL-PEDESTRIAN-VISION-PLAN-2015 (1)-2Excerpts.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=REGIONAL-PEDESTRIAN-VISION-PLAN-2015%20(1)-2Excerpts.pdf)

**Description**

Virginia Surface Transportation Plan 2035 Update Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

2035 VA Surface Trans Plan Excerpts 9-28-15.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=2035%20VA%20Surface%20Trans%20Plan%20Excerpts%209-28-15.pdf)

**Description**

Bikeway Plan for the RVAMPO 2012 Update Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

ExcerptRVAMPO-BikewayPlan-2012Update-web-2.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=ExcerptRVAMPO-BikewayPlan-2012Update-web-2.pdf)

**Description**

RVAMPO Constrained Long-Range Transportation Plan 2035 Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

ExcerptRVAMPO-CLRTP-2035-Approved-06-23-2011-4.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=ExcerptRVAMPO-CLRTP-2035-Approved-06-23-2011-4.pdf)

**Description**

RVTPO Roanoke Valley Transit Vision Plan Draft Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

TransitVisionPlanexcerpts.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=TransitVisionPlanexcerpts.pdf)

**Description**

Hollins Area Plan Excerpt

**Attachment Type**

Local Comprehensive Plan

**File Name**

HAP Excerpts 9-23-16.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=HAP%20Excerpts%209-23-16.pdf)

**Description**

Church of God Site Plan and Approval

**Attachment Type**

Site Development Plan

**File Name**

Church of God Package.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Church%20of%20God%20Package.pdf)

**Description**

Heritage Village at Hollins Site Plan and Approval

**Attachment Type**

Site Development Plan

**File Name**

Heritage Village at Hollins Package.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Heritage%20Village%20at%20Hollins%20Package.pdf)

**Description**

Tru by Hilton Site Plan and Approval

**Attachment Type**

Site Development Plan

**File Name**

Tru by Hilton Package.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Tru%20by%20Hilton%20Package.pdf)

**Description**

Lidl Grocery Hollins Site Plan

**Attachment Type**

Site Development Plan

**File Name**

Lidl Site Plan Small.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Lidl%20Site%20Plan%20Small.pdf)

**Description**

Partnership for a Livable Roanoke Valley Plan Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

ExcerptsLivable Roanoke Valley Planfor2016.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=ExcerptsLivable%20Roanoke%20Valley%20Planfor2016.pdf)

**Description**

RVAR Comprehensive Economic Development Strategy Excerpt

**Attachment Type**

Local/Regional Economic Development Strategy

**File Name**

EconomicDevelopmentExcerpt2016-RVAR-CEDS-Annual-Report-Final-3.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=EconomicDevelopmentExcerpt2016-RVAR-CEDS-Annual-Report-Final-3.pdf)

**Description**

RVTPO Transportation Improvement Program Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

ExcerptTIP-15-18-FINAL-062414-AMENDED-2.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=ExcerptTIP-15-18-FINAL-062414-AMENDED-2.pdf)

**Description**

2005 Community Plan Excerpt

**Attachment Type**

Local Comprehensive Plan

**File Name**

2005 Community Plan.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=2005%20Community%20Plan.pdf)

**Description**

2007 Update to the Roanoke Valley Conceptual Greenway Plan Excerpt

**Attachment Type**

Planning Study/Safety Study

**File Name**

2007 Update to the Roanoke Valley Greenway Plan RoCo Excerpts Tinker Carvin 9-22-15.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=2007%20Update%20to%20the%20Roanoke%20Valley%20Greenway%20Plan%20RoCo%20Excerpts%20Tinker%2022-15.pdf)

**Description**

Roanoke County Cost Estimate / Budget

**Attachment Type**

Detailed Cost Estimate

**File Name**

Plantation Road Smart Scale Detailed Cost Estimate.xlsx (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Road%20Smart%20Scale%20Detailed%20Cost%20Estimate.xlsx)

**Description**

Plantation Mixed Use Zoning Map and Designations

**Attachment Type**

Access Management Plan or Zoning Overlay

**File Name**

Plantation Zoning Package.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Zoning%20Package.pdf)

**Description**

Plantation Mixed Use Future Land Use Map and Designations

**Attachment Type**

Local Comprehensive Plan

**File Name**

Plantation FLU Package.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20FLU%20Package.pdf)

**Description**

Community Strategic Plan Excerpt

**Attachment Type**

Local Comprehensive Plan

**File Name**

ExcerptsfromStratPlan.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=ExcerptsfromStratPlan.pdf)

**Description**

Plantation Road Project 90 Percent Plans - Site, Utility and Landscaping Sheets

**Attachment Type**

Project Sketch

**File Name**

Plantation Road Smart Scale Detailed Site Plans.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Road%20Smart%20Scale%20Detailed%20Site%20Plans.pdf)

**Description**

Plantation Project Phase II Right-of-Way - Recorded Deeds

**Attachment Type**

Other

**File Name**

Plantation Phase II Recorded Deeds.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Phase%20II%20Recorded%20Deeds.pdf)

**Description**

Roanoke County Resolution: Policy for Integrating Bicycling and Pedestrian Accommodations

**Attachment Type**

Other

**File Name**

RoanokeCounty-BicyclePedestrianPolicyResolution-Nov2013.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=RoanokeCounty-BicyclePedestrianPolicyResolution-Nov2013.pdf)

**Description**

PCES Estimate

**Attachment Type**

Detailed Cost Estimate

**File Name**

0080\_01 - Plantation Rd - Phase II - PCES\_Estimate.xlsx (/api/file/Get?applicationId=F2-0000001310-R02&fileName=0080\_01%20-%20Plantation%20Rd%20-%20Phase%20II%20-%20PCES\_Estimate.xlsx)

**Description**

UPDATED - Plantation Road Phase II Infill Development Package with Maps and Spreadsheet

**Attachment Type**

Other

**File Name**

Plantation Infill Package 10-26-16.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Infill%20Package%2010-26-16.pdf)

**Description**

UPDATED - Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project Overview Map

**Attachment Type**

Project Sketch

**File Name**

Plantation Phase 2 Smart Scale 10-26-16.pdf (/api/file/Get?applicationId=F2-0000001310-R02&fileName=Plantation%20Phase%20%20Smart%20Scale%2010-26-16.pdf)



Virginia Department of Rail and Public  
Transportation  
600 East Main Street, Suite 2102  
Richmond, VA 23219  
(804) 786-4440



VDOT Central Office  
1401 East Broad Street  
Richmond, VA 23219  
(804) 367-7623 (toll-free)  
711 (hearing impaired)