HB2 Application

Sudley Road Third Lane

Project Status: Scored

Organization: Manassas City
Project ID: 603

General

Point of Contact Information

Project Point of Contact Name
Patrick Moore

Point of Contact Phone
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Project Information

Project Title
Sudley Road Third Lane

Principal Improvement
Highway

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

Detailed Project Description
Widening of West Bound Sudley Road (Route 234) from 2 to 3 lanes from Godwin Drive to Dorsey Circle. Addition of pedestrian facilities, curb and gutter. Project matches lane configuration in neighboring Prince William County. The attached excerpt from the VTrans2040 Multimodal Transportation Plan- Urban Development Area Needs Assessment" identifies the City of Manassas as UDA ID 41 (pg. 4) and lists the Internal UDA Specific Multimodal Transportation Needs. By adding 1500' of a third lane to NB Route 234 (Sudley Road) this project will help complete a missing link in the network and improve roadway capacity. It will also improve pedestrian infrastructure by providing 1500' of a 5-ft concrete sidewalk segment along NB Rt. 234 to the signalized intersection at Rt 234/Godwin Drive, achieving a continuous sidewalk network between Grant Ave. and Godwin Dr (almost 1 mile). The project will provide pedestrians cross-walk and push-button signal at Rt 234/Godwin Dr. that will allow ped. connection for residences and businesses along NB and SB Route 234. Less than 1 acre of land disturbance is required and therefore exempt from the Commonwealth's Virginia Stormwater Management Program permitting requirements. The city will use TMDL credits to address the stormwater needs generated from this project through the city's MS4 program. The city is advertising for construction of a regional stormwater management facility adjacent to the Prince William Hospital in November 2015 and anticipates using this facility to meet the project's MS4 requirements.

SMART SCALE Need Categories
Regional Network
Urban Development Area

Application Program
District Grant
Statewide High Priority

How does this project address VTrans 2040 need?
Project reduces congestion and increases capacity between Dorsey Circle and Godwin Drive on Route 234. Project also provides pedestrian facilities from Prince William County into the City of Manassas and to the Prince William Hospital. Improves emergency vehicle egress from the hospital. Completes a third through lane transition into Prince William County from the City of Manassas. Prince William County's third lane is currently under construction. The attached excerpt from the VTrans2040 Multimodal Transportation Plan- Urban Development Area Needs Assessment" identifies the City of Manassas as UDA ID 41 (pg. 4) and lists the Internal UDA Specific Multimodal Transportation Needs. By adding a third lane to NB Route 234 (Sudley Road) this project will help complete a missing link in the network and improve roadway capacity. It will also improve pedestrian infrastructure by providing a 5-ft concrete sidewalk segment along NB Rt. 234 to the signalized intersection at Rt 234/Godwin Drive, achieving a continuous sidewalk network between Grant Ave. and Godwin Dr (almost 1 mile). The project will provide pedestrians cross-walk and push-button signal at Rt 234/Godwin Dr. that will allow ped. connection for residences and businesses along NB and SB Route 234.

Location

PDCs Served
Northern Virginia

MPOs Served
National Capital Region Transportation Planning Board

Jurisdictions Served
Manassas City,Prince William County

Districts Served
Northern Virginia

Features

Project Features

Highway

Improvement	Comments
Add New Through Lanes(s)	addition of 1500 linear feet of a through-right turn lane between Godwin Drive and Dorsey Circle.
Intersection Improvement(s)	Signal and pedestrian equipment synchronization, striping at intersections between Godwin Drive and Dorsey Circle.
Turn Lane Improvement(s)	addition of 1500 linear feet of a through-right turn lane between Godwin Drive and Dorsey Circle.

Bike/Pedestrian

Improvement	Comments
Construct Sidewalk	1500 linear feet of 5' sidewalks, approximately 20 ADA ramps between Godwin Drive and Dorsey Circle.
Improve Bike/Pedestrian Crossing (At Grade)	3 intersections with striped crosswalks and pedestrian refuge islands at Rolling Road, Dorsey Circle and Godwin Drive.

Right of Way

Improvement	Comments
Right of Way/Easements acquisition required	Approximately 12 parcels of fee simple Right of Way, temporary construction and utility easements on Sudley Road, (Route 234) From Godwin Drive to Dorsey Circle

Factors

Accessibility

Accessibility	Response	Additional Notes
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	Completes infill of approximately 1250' of sidewalk in a heavily travelled pedestrian area, linking city and county residents to pedestrian access to Novant Health Prince William Medical Center
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.	Yes	A previous project, UPC 82843, Variable Messaging Boards sited permanent ITS architecture within the project limits.

Land Use

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	completes infill of sidewalk in a heavily travelled pedestrian area, linking city and county residents to pedestrian access to Prince William, Novant Health Care Hospital

Does the project support in-fill development adjacent to the project?	No
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	completes infill of sidewalk in a heavily travelled pedestrian area, linking city and county residents to pedestrian access to Prince William, Novant Health Care Hospital
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

Transportation project (Consistency with Local Comprehensive Plan or Local Economic Development Strategy)
Referenced in

Transportation project (Consistency with Regional Economic Development Strategy)
Consistent with

Site Name

Development project (Consistent with locality Comprehensive Plan/Zoning)

Development project (Site planning status)

Development project (Site Utilities status)

Development Project (Proposed / Projected Building Square Footage)
0 sq ft

Driving Distance to Development Project From Transportation Project
miles

Does Transportation Project Provide Direct or Indirect Access to the Development Site?

Delivery/Funding

Project Delivery Information

Project Planning Status
Constrained Long Range Plan (MPO)
Other Regional Plan
Transportation Element of Local Comprehensive Plan

Project Administered By
Locality

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

Project Delivery Method
Design-bid-Build

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

Locality: 10%

Consultant: 90%

Phase Estimate and Schedule

PE (Survey, Environmental, Design)

Phase Type
PE (Survey, Environmental, Design)

Status
Underway

Percent Complete
10%

Cost Estimate
$400,000.00

Start Date
5/2/2004

End Date

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

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

Status
Not Started

Percent Complete
0%

Cost Estimate
$3,000,000.00

Start Date
6/30/2017

End Date
6/30/2018

CN (Construction, Oversight, Contingencies)

Phase Type
CN (Construction, Oversight, Contingencies)

Status
Not Started

Percent Complete
0%

Cost Estimate
$4,000,000.00

Start Date
6/30/2018

End Date
6/30/2020

Total Cost Estimate
$7,400,000.00

Project Funding Sources

SYIP Allocations	Other Committed Funding Amount	Other Requested Funding Amount	HB2 Amount Requested	Total Proposed Project Funding
$0.00	$0.00	$0.00	$7,400,000.00	$7,400,000.00

Scores

Project Located in Typology													
Category A	**Congestion Mitigation**		**Safety**		**Accessibility**			**Environment**		**Economic Development**			**Land Use**
	Increase in Daily Person Throughput	Decrease in Person Hours Delay	Reduction in Fatal and Severe Injury	Reduction in Fatal and Severe Injury Rate	Increase in Access to Jobs	Increase in Access to Jobs for Disadvantaged Populations	Improved Access to Multimodal Choices (Users Benefit Value)	Air Quality (Total Benefit Value)	Acres of Natural/Cultural Resources Potentially Impacted	Economic Development Support (Sq. ft.)	Intermodal Access Improvements (Tons Benefit Value)	Travel Time Reliability Improvement	Transportation Efficient Land Use
Measure Score	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.0	1.3	11.0	8.5
Weighted													

Project Located in Typology													
Category A	Congestion Mitigation		Safety		Accessibility			Environment		Economic Development			Land Use
Measure Score	50%	50%	50%	50%	60%	20%	20%	50%	50%	60%	20%	20%	100%
Measure Weight	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	2.2	8.5
Raw Factor Score	0.1		0.0		0.2			0.1		2.5			8.5
Factor Weighting	45%		5%		15%			10%		5%			20%
Weighted Factor Score	0.0		0.0		0.0			0.0		0.1			1.7
Project Score	1.9												
Total Project Cost	$7,400,000												
Score Divided by Total Cost	2.5												
HB2 Cost	$7,400,000												
Project Benefit Score / HB2 Score	2.5												

Supporting Documents

Current Attachments

Description
Sudley Road T-15

Attachment Type
Local Comprehensive Plan or Capital Improvement Plan

File Name
t-15 comp plan.pdf

Description
Corridor Retail Strategy

Attachment Type
Planning Study/Safety Study

File Name
manassas retail strategy-excerpt.pdf

Description
Sudley Road Sector Plan

Attachment Type
Planning Study/Safety Study

File Name
sudley road sector plan.pdf

Description
T-15 Sudley Road Project Sketch

Attachment Type
Project Sketch

File Name
t-15 sudley road project sketch.pdf

Description
Revised Project Sketch

Attachment Type
Project Sketch

File Name
sudley rd third lane-concept plan.pdf

Description
Typical Section

Attachment Type
Project Sketch

File Name
t-15hb2ts.pdf

Description
ROW Impacts Supporting Documentation

Attachment Type
Other

File Name
hb2 t15 rw.pdf

Description
ITS Infrastructure

Attachment Type
Other

File Name
hb2 t15 tmc.pdf

Description
Land Use Map

Attachment Type
Access Management Plan or Zoning Overlay

File Name
character_areas_201504020947205507.pdf

Description
Regional Economic Strategy

Attachment Type
Local/Regional Economic Development Strategy

File Name
economy forward.pdf

Description
Updated Cost Estimate

Attachment Type
Detailed Cost Estimate

File Name
copy of sudley rd 3rd lane (cip# t-15) 2014.pdf

Description
District Validation Form

Attachment Type
District Validation Form

File Name
603.sudleyroadthirdlane.20151030.pdf

Description
Justifications provided in attached change form, change form addendum and email.

Attachment Type
Locality Concurrence with Change

File Name
fully executed change form.pdf

Description
603.Sudley Road Third Lane.10_22_2015.RN.B6

Attachment Type
OIPI Review Document

File Name
603.sudley road third lane.10_22_2015.rn.b6.pdf

Description
Resolution of Support

Attachment Type
Resolution of Support

File Name
603resolution.pdf

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