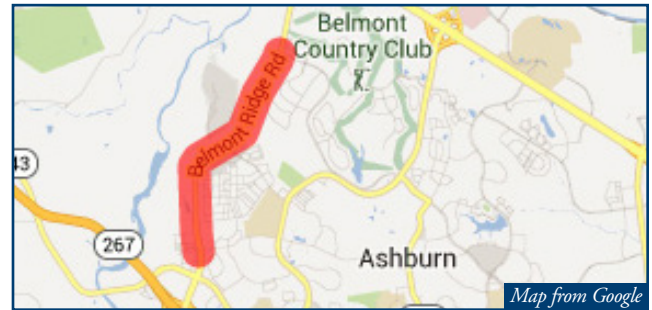




# Project Description Form — 2A

## Basic Project Information

- 1. **Submitting Agency:**  
Loudoun County
- 2. **Project Title:** Belmont Ridge Road  
(Route 659) North of the Dulles Greenway  
Widening
- 3. **Project Type:**  
 Roadway  Multimodal  Transit
- 4. **Project Description/Scope:** Widening of Belmont Ridge Road (Route 659) between Gloucester Parkway and Hay Road segment, including a grade separation structure to carry the Washington & Old Dominion (W&OD) trail over Belmont Ridge Road. The project is approximately 10,200 linear feet in length.
- 5. **Route (if applicable)/Corridor:**  
Route 659 / Corridor 2
- 6. **Total Project Cost:** \$55,000,000
- 7. **Total Funds Required:** \$20,000,000
- 8. **Phase/s of Project Covered by Funding:** Design and Construction



- 9. **Project Milestones (by phase, include all phases):**
  - Design Start: 30% plans completed in 2007, which will be used for Design/Build contracting
  - Design Complete: November 2013 (part of D-B Process)
  - Construction Start: June/July 2014
  - Construction Complete: May/June 2016
- 10. **In TransAction 2040 plan?**  
 Yes  No
- 11. **In CLRP, TIP or Air Quality Neutral?**  
Yes CLRP, ID # 2585
- 12. **Leverages Sources:**  
 Local  State  Federal  
 Other (please explain)  
\$35,000,000 local funding; \$20,000,000 request to NVTVA.

### PROJECT ANALYSIS

**Tier I**  Pass  Fail

**Tier III Congestion Reduction Relative to Cost:**

**Tier II** 7 out of 8 points

**Plan**  CLRP  TA2040 only

**Rating**  High  Med  Low

# Stated Benefits

**1. What regional benefit/s does this project offer?** Belmont Ridge Road (VA Route 659) is a critical north-south corridor along the western boundary of the Ashburn Community. Currently, Belmont Ridge Road (VA Route 659) is largely a two-lane rural road from VA Route 7 south to the future intersection with Croson Lane (VA Route 645), just north of the Brambleton development.

The roadway is planned to ultimately be widened to four lanes; some segments of four-lane divided roadway have already been constructed just north and south of the Dulles Greenway (VA Route 267) interchange in conjunction with adjacent developments. The project is significant as it is the ultimate connection to the State identified North/South Corridor of Statewide Significance.

**2. How does the project reduce congestion?** The widening from 2 to 4 lanes will reduce congestion for both commuters and school related traffic as Belmont Ridge Road is a primary route for both types of trips. The widening will also help relieve congestion at the intersections along the corridor and improve the operation and safety of the corridor. The operations of several intersections are hampered due to the volume of heavy trucks and the gradient, particularly at Route 7. The project will eliminate the at-grade intersection of Belmont Ridge Road and the W.O. & D. trail, thus eliminating the conflicts and safety concerns.

Traffic has increased from about 1,400 vehicles per day (vpd) in 1995 to almost 13,000 vpd in 2011. Traffic is projected to double by 2032 with up to 11% of the traffic in the form of heavy trucks. The project addresses current and future traffic volumes and ongoing developments along the corridor.

**3. How does the project increase capacity?** (*Mass transit projects only*) N/A

**4. How does the project improve auto and pedestrian safety?** The project will grade separate the W.O. & D. trail which is today has an at-grade (unsignalized) crossing of Belmont Ridge. The crossing has been subject to many accidents between pedestrians and bicyclist. The project will also provide additional trails and sidewalks alongside Belmont Ridge in accordance with the County's Countywide Transportation Plan (CTP). The project upgrades a rural two-lane roadway to modern safety standards.

**5. List internet address/link to any additional information or documentation in support of project benefits.** (*Optional*)

[http://www.virginiadot.org/projects/northernvirginia/belmont\\_ridge\\_road.asp](http://www.virginiadot.org/projects/northernvirginia/belmont_ridge_road.asp)

**6. Project Picture/Illustratives**



*Northbound Traffic during PM Peak*



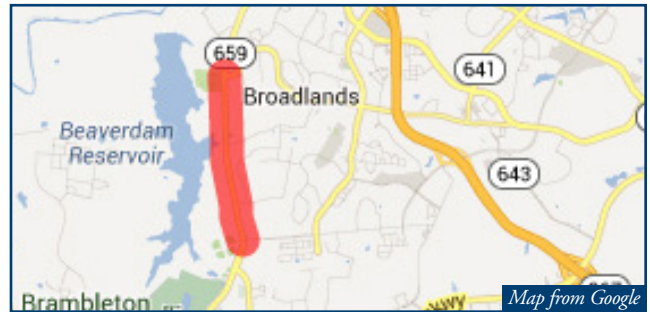
*Existing at-grade crossing of the W & O D Trail*



# Project Description Form — 2B

## Basic Project Information

- 1. **Submitting Agency:**  
Loudoun County
- 2. **Project Title:** Belmont Ridge Road (Route 659) (Segment 1B), South of the Dulles Greenway Widening
- 3. **Project Type:**  
 Roadway  Multimodal  Transit
- 4. **Project Description/Scope:** Widening of Belmont Ridge Road between Truro Parish and Croson Lane. The segment is approximately 6,900 linear feet in length.
- 5. **Route (if applicable)/Corridor:**  
Route 659 / Corridor 2
- 6. **Total Project Cost:** \$20,000,000
- 7. **Total Funds Required:** \$20,000,000
- 8. **Phase/s of Project Covered by Funding:** Design and Construction



- 9. **Project Milestones (by phase, include all phases):**
  - Design Start: 30% plans completed in 2007, initiate completion to 100% in September 2013
  - Design Complete: September 2015
  - Construction Start: March 2017
  - Construction Complete: April 2019
- 10. **In TransAction 2040 plan?**  
 Yes  No
- 11. **In CLRP, TIP or Air Quality Neutral?**  
Yes CLRP, ID # 2585
- 12. **Leverages Sources:**  
 Local  State  Federal  
 Other (*please explain*)  
\$3,300,000 for design expended.

PROJECT ANALYSIS			
<b>Tier I</b> <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<b>Tier III Congestion Reduction Relative to Cost:</b>		
<b>Tier II</b> 6 out of 8 points	<b>Plan</b> <input checked="" type="checkbox"/> CLRP <input type="checkbox"/> TA2040 only	<b>Rating</b> <input checked="" type="checkbox"/> High <input type="checkbox"/> Med <input type="checkbox"/> Low	

# Stated Benefits

**1. What regional benefit/s does this project offer?** Belmont Ridge Road (VA Route 659) is a critical north-south corridor along the western boundary of the Ashburn Community. Currently, Belmont Ridge Road (VA Route 659) is largely a two-lane rural road from VA Route 7 south to the future intersection with Croson Lane (VA Route 645), just north of the Brambleton development.

The roadway is planned to ultimately be widened to four lanes; some segments of four-lane divided roadway have already been constructed just north and south of the Dulles Greenway (VA Route 267) interchange in conjunction with adjacent developments. The project is significant as it is the ultimate connection to the State identified North/South Corridor of Statewide Significance.

**2. How does the project reduce congestion?** The widening from 2 to 4 lanes will reduce congestion for both commuters and school related traffic as Belmont Ridge Road is a primary route for both types of trips. The widening will also help relieve congestion at the intersections along the corridor and improve the operation and safety of the corridor. The operations of several intersections are hampered due to the volume of heavy trucks and the gradient, particularly at Route 7. The project will eliminate the at-grade intersection of Belmont Ridge Road and the W.O. & D. trail, thus eliminating the conflicts and safety concerns.

Traffic has increased from about 1,400 vehicles per day (vpd) in 1995 to almost 13,000 vpd in 2011. Traffic is projected to double by 2032 with up to 11% of the traffic in the form of heavy trucks. The project addresses current and future traffic volumes and ongoing developments along the corridor.

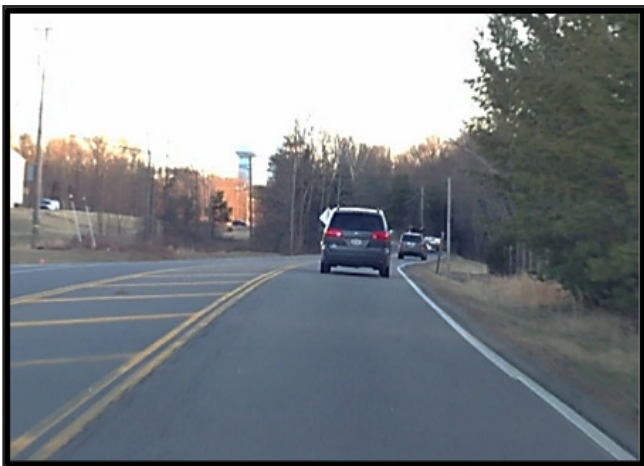
**3. How does the project increase capacity?** (*Mass transit projects only*) N/A

**4. How does the project improve auto and pedestrian safety?** The project will grade separate the W.O. & D. trail which is today has an at-grade (unsignalized) crossing of Belmont Ridge. The crossing has been subject to many accidents between pedestrians and bicyclist. The project will also provide additional trails and sidewalks alongside Belmont Ridge in accordance with the County's Countywide Transportation Plan (CTP). The project upgrades a rural two-lane roadway to modern safety standards.

**5. List internet address/link to any additional information or documentation in support of project benefits.** (*Optional*)

[http://www.virginiadot.org/projects/northernvirginia/belmont\\_ridge\\_road.asp](http://www.virginiadot.org/projects/northernvirginia/belmont_ridge_road.asp)

**6. Project Picture/Illustratives**



*Belmont Ridge Road, South of the Dulles Greenway*