



Route 28 Widening  
Prince William County to Route 29  
Results of Environmental Impact Analyses and Studies

Topic	Existing Condition	Potential Impact / Proposed Mitigation
Archaeological Resources	No significant archaeological sites were uncovered during field investigations.	No impacts expected.
Historic Buildings, Structures & Districts	4 Civil War battlefield sites cross the project site: (1) Blackburn's Ford Battlefield; (2) Bristoe Station Battlefield; (3) First Battle of Manassas; and (4) Second Battle of Manassas.	Project will not affect these Civil War battlefield sites as historic resources. No impacts expected.
Noise	26 noise sensitive receptors (mostly residences) located near Route 28 experience noise impacts, as defined by VDOT as approaching or exceeding the Noise Abatement Criteria.	Under 2040 conditions, the total number of receptors experiencing noise impacts would increase to 68. Two barriers would benefit 44 of these receptors, while also benefiting an additional 33 receptors. Noise impacts at some impacted receptors cannot be mitigated due to driveway access onto Route 28 or a noise barrier would not be cost effective.
Biological Resources	Pockets of forest tree stands adjacent to and within the project area. Species include eastern red cedar, red and white pine, pin and white oak, and red maple. Some invasive species, such as tree of heaven, Japanese honeysuckle, and bamboo, are also present.	Some forest tree stands will be displaced to provide for areas to retain storm water runoff. Mitigation is not proposed.
Surface Waters and Wetlands	Bull Run is located along the south end of project area. Through field investigations, 7 wetlands, totaling in size of about 34,900 square feet, and 5 waterways, totaling in length of about 2,500 linear feet, were identified within the right-of-way and in areas proposed for storm water basins.	Bull Run will not be affected. The precise wetlands and waterway impacts will be determined during final design. Mitigation will consist of purchasing credits from a wetlands bank in Northern Virginia. Strict erosion and sedimentation measures will be implemented during construction.
Threatened and Endangered Species	The U.S. Fish and Wildlife Service stated that the project area may contain the endangered harperella (a plant), and the threatened northern long-eared bat (NLEB).	The areas affected by construction do not provide suitable habitat for the harperella. It is highly unlikely that the NLEB uses the forest tree stands along Route 28 as habitat. Mitigation is not necessary.
Parks and Recreational Resources	Bull Run Regional Park and Old Centreville Regional Park are near the project area.	No property is required and no change to access is proposed. Temporary modifications to access to the Bull Run-Occoquan Trail parking lot may be required at times during construction, but will remain open.
Air Quality	Project area part of the National Capital Interstate Air Quality Control Region, a non-attainment area for ozone.	2040 traffic conditions at intersections directly and indirectly affected by the project will not result in carbon monoxide concentrations that would exceed the National Ambient Air Quality Standards.
Community Services	Montessori Children's Center, Centreville Elementary School and Centreville United Methodist Church are near the project area.	Project will not change existing access. The Montessori property may be affected by a temporary construction and/or utility easement. Fence and playground area may be affected. Building will not be affected. No property is required from Centreville Elementary School or the Centreville United Methodist Church.
Floodplains	Extreme southern end of the project area is within a floodplain (Flood Hazard Area) associated with Bull Run identified by the Federal Emergency Management Agency.	The project will not extend into the Flood Hazard Area associated with Bull Run.
Demographic Conditions	Based on U.S. Census data, the project area includes racially or ethnically diverse communities surrounding Route 28. The largest minority group is Asian. Poverty rates in this area are lower than the county overall.	No impacts anticipated.
Land Use	Generally, businesses are in the northern end and residences are in the middle and southern end of the project area.	No business or residential displacements required.