

ENVIRONMENTAL IMPACTS

| | NO ACTION | CANDIDATE BUILD ALTERNATIVES | | |
|--|----------------|--|--|--|
| | ALTERNATIVE 1 | ALTERNATIVE 2 | ALTERNATIVE 3 | ALTERNATIVE 4 |
| Meets Purpose & Need -Road Conditions -Stormwater Management -Intermodal Needs -Safety | No | Yes | Yes | Yes |
| Right-of-Way Acquisition (square feet) | 0 ¹ | 0 ² 3,737 (Option B) | 28,827 | 41,823 |
| Improvements to Stormwater Management | No | Yes | Yes | Yes |
| Floodplain Encroachments (acres) | 0 | 0.04 0.12 (Option B) | 0.12 | 0.28 |
| Stream Impacts (linear feet) | 0 | 296 | 367 | 599 |
| Wetlands Displaced (acres) | 0 | 0 | 0 | 0 |
| Threatened and Endangered Species | None | None | None | None |
| Loss of Trees (diameter at breast height > 4") | 0 | 285 45 less (Option A) 6 more (Option B) 3 more (Option C) | 462 3 more (Option C) | 460 3 more (Option C) |
| Archeological Resource Impacts | None | Possible Impacts | Possible Impacts | Possible Impacts |
| Historic Structure Impacts | None | Adverse Impacts | Adverse Impacts | Adverse Impacts |
| Land Use and Zoning | No Change | No Change | No Change | No Change |
| Environmental Justice Populations Affected | 0 | 0 | 0 | 0 |
| Retaining Walls – Viewed from Broad Branch Road and Rock Creek Park | None | Potential impacts to aesthetics and visual quality Adverse impacts to historic properties | Potential impacts to aesthetics and visual quality Adverse impacts to historic properties | Potential impacts to aesthetics and visual quality Adverse impacts to historic properties |
| Retaining Walls – Views from Residences | None | Potential impacts to aesthetics and visual quality | Potential impacts to aesthetics and visual quality | Potential impacts to aesthetics and visual quality |
| Area of Permanent Park Impacts (square feet) | | | | |
| Rock Creek Park | 0 | 0 | 39 | 2,252 |
| District Triangle Park | 0 | 0 3,502 (Option C) | 600 3,502 (Option C) | 600 3,502 (Option C) |
| Pedestrian Improvements | No | No Yes (Option B) | Yes | Yes |
| Cyclist Facilities | No | No | No | Yes |
| Air Quality Impacts | None | None | None | None |
| Noise Impacts | None | None | None | None |
| Hazardous Materials | None | None | None | None |
| Construction Costs (millions) | N/A | \$29.0 | \$34.2 | \$37.1 |
| Construction Duration (months) | N/A | 24 | 30 | 36 |

¹ The existing roadway is within DDOT right-of-way, with minor exceptions. These exceptions occur in six short sections along the project corridor where the existing roadway was constructed outside DDOT-owned property. These small areas account to a total area of 923 square feet. The EA will serve to provide the appropriate action needed to correct these inconsistencies, which may include an easement, land transfer, or permit.

² Activities outside the existing right-of-way (beyond the area of existing pavement previously mentioned) would be accomplished through easements.