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## Table III-4: Environmental Impacts of Refined Detailed Study Alternatives

| | | No-Build | Alternative D High Speed | Alternative D Low-Speed | Alternative E High Speed | Alternative E Low Speed | Alternative AE High Speed | Alternative AE Low Speed |
|---|---|---|---|---|---|---|---|---|
| | **Meets Project Needs?** | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Social Resources | | | | | | | | |
| | Residential Displacements (#) | 0 | 8 | 7 | 2 | 2 | 5 | 4 |
| | Commercial Displacements (#) | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Park Land (State/County/Local) (acres) | 0 | 0 | 0 | 0 | | 0 | 0 |
| Natural Resources | | | | | | | | |
| | Productive Cropland/Pasture (ac.) | 0 | 66 | 66 | 33 | | 18 | 18 |
| | Maple Sugar Production Forest (ac.) | 0 | 26 | 26 | 0 | | 0 | 0 |
| | Productive Farms (#) | 0 | 6 | 6 | 3 | | 1 | 1 |
| | Wetlands (ac.) | 0 | 5.4 | 6 | 3.1 | 2 | 5.6 | 6.2 |
| | Perennial Streams (#/linear feet) | 0 / 0 | 24 / 6,307 | 30 / 8,602 | 19 / 5,555 | 19 / 3,935 | 23 / 5,501 | 29 / 7,796 |
| | Intermittent Streams (#/linear feet) | 0 / 0 | 20 / 6,604 | 20 / 16,886 | 12 / 3,327 | 13 / 3,386 | 23 / 5,965 | 23 / 6,247 |
| | Ephemeral Streams (#/linear feet) | 0 / 0 | 51 / 18,035 | 47 / 17,988 | 42 / 22,414 | 35 / 13,720 | 47 / 16,430 | 43 / 16,383 |
| | Forestland (ac.) | 0 | 304 | 312 | 208 | 205 | 211 | 209 |
| | Threatened & Endangered Species | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Cultural Resources | **Eligible Resources** | | | | | | | |
| | National Register Little Meadows Historic Site | No Impact | No Impact | No Impact | Adverse | Adverse | No Impact | No Impact |
| | Braddock's Road | No Impact | Adverse | Adverse | No Impact | No Impact | Adverse | Adverse |
| | Mason-Dixon Line Marker 191 | No Impact | No Impact | No Impact | Adverse | Adverse | No Impact | No Impact |
| | Lowry Farm | No Impact | Adverse | Adverse | No Impact | No Impact | No Impact | No Impact |
| | National Road | No Impact | Adverse | Adverse | Adverse | Adverse | Adverse | Adverse |
| | Pre-Historic Potential - High (ac.) | 0 | 32 | 28 | 20 | 24 | 28 | 24 |
| | Pre-Historic Potential - Moderate (ac.) | 0 | 342 | 342 | 228 | 206 | 236 | 236 |
| | Pre-Historic Potential - Low (ac.) | 0 | 131 | 144 | 105 | 94 | 100 | 114 |
| | Historic Potential (ac.) | 0 | 1.4 | 1.4 | 0.5 | 0 | 0 | 0 |
| Engineering | | | | | | | | |
| | Potential Hazardous Waste Sites (#) | 0 | 5 | 5 | 4 | 4 | 6 | 6 |
| | Potential Limit of Disturbance Area (ac.) | 0 | 529 | 539 | 408 | 356 | 395 | 404 |
| | Length of Main Line Construction (mi.) | 0 | 9.0 | 9.0 | 7.9 | 7.9 | 8.4 | 8.4 |
| | Excavation (cut/fill) (in million cubic yards) | 0 / 0 | 14 / 7 | 14 / 7 | 6 / 4 | 6 / 4 | 5 / 4 | 5 / 4 |
| | Construction Cost (2004 dollars in millions) | 0 | $242 | $241 | $147 | $147 | $154 | $153 |

* The following eligible resources would not be impacted by any of the Alternatives: Stone Arch Bridge along Route 40 Alt., Maust Barn, Jennings Brothers Railroad, Mason-Dixon Markers 190, 192, 193, 194, Miller Farm, Maust Bridge, Engle Bridge, Henry Glotfelty Jr. Property.