

Summary of Environmental Analysis

Potential environmental impacts for each Build Alternative were estimated based on the planning level limits of disturbance (LOD), estimated to be 140 feet wide. This width includes sufficient area to accommodate required right-of-way as well as any necessary utility or construction easements. It is anticipated that this planning level LOD would be refined as the project advances through more detailed design and permitting following a FHWA NEPA decision. Additionally, resources within a larger 225-foot Inventory Corridor were identified to provide the ability for future shifts or refinements to be made within this corridor during the detailed design and permitting.

Detailed information on potential impacts is located in Section 3.0 (Environmental Consequences) of the EA and associated technical reports and memorandums.

Environmental Resource	Build Alternative 1	Build Alternative 2
Land Use	No total acquisitions anticipated. An estimated acquisition of 14.6 acres from six parcels would be converted to transportation use.	No total acquisitions anticipated. An estimated acquisition of 14.9 acres from six parcels would be converted to transportation use.
Environmental Justice	Both Census block groups fully or partially within the study area have been identified as having minority populations. No disproportionate and adverse impacts are anticipated.	
Archaeological Resources	Two archaeological sites have been identified within the LOD and would likely be affected by the project.	One archaeological site has been identified within the LOD and would likely be affected by the project.
Architectural Resources	One architectural site has been identified within the LOD's; since the project would bridge over the railroad, no direct impacts are assumed.	
Noise	While noise impacts are present within the project study areas of both Build Alternative 1 and Build Alternative 2, no noise impacts are attributed to either of the proposed Build Alternatives; therefore, no noise abatement is recommended.	
Wetlands	Estimated impacts to 0.85 acres of wetlands.	Estimated impacts to 0.95 acres of wetlands.
Streams	Estimated impacts to 673 linear feet of streams.	Estimated impacts to 365 linear feet of streams.
Wildlife and Habitat	An estimated 6.4 acres is forested habitat. Existing wildlife corridors along Skiffes Creek would be maintained through the installation of culverts and bridges.	
Threatened, Endangered, and Special Status Species	No impacts to threatened, endangered, or special status species are anticipated.	
Hazardous Materials	Two sites are near the LODs of the Build Alternatives. Prior to or during right-of-way acquisition, a Phase I Environmental Site Assessment is recommended to be performed.	
Indirect and Cumulative Effects	While some indirect effects and cumulative impacts would occur under Build Alternative 1 or 2, no significant adverse impacts were identified.	