



Criterion(1)	Description	Potential Impact(2)	Notes/Comments	Associated Collateral Permit/Reviews
1	Air & water pollution	Minor, Temporary, Long-term Beneficial	Temporary air pollution impacts during construction; post construction improvement due to reduce idling. Water pollution detailed below.	DEC Const. Phase SW Permit / NEPA
1	A Headwaters	None	Project not located in headwaters area.	NA DEC Drinking Water and Groundwater Protection / 401 Water Quality Certification
1	B Waste disposal	Minor, Temporary, Long-term Beneficial	Construction waste management, design to incorporate operational phase stormwater management which would bring about improved water quality compared to existing conditions. Short-term impact during construction phase.	DEC Const. Phase SW Permit/DEC Op. Phase SW Permit / NEPA
1	C Water conservation	None	Project would not impact water conservation as it has no associated long-term water use. Not applicable.	NA [DEC Wastewater System and Potable Water Supply Permit]
1	D Floodways	None	No FEMA mapped floodplains in the Project Area.	NA [DEC Flood Hazard Area River Corridor Permit] / NEPA]
1	E Streams	None	The Project avoids all work within the area of the perennial stream.	NA [19 VSA Ch1 Section 10(12) "Title 19" DEC River Mgt Consultation / NEPA]
1	F Shorelines	None	None present in the Project Area.	NA [DEC Lake Encroachment Permit / DEC Shoreland Permit]
1	G Wetlands	Moderate	Impacts to Class II wetlands and buffers associated with the Project. Would likely meet threshold for individual VWP and Section 404 permit. Depending on the degree of impact a mitigation and/or in lieu fee may be required.	Vermont Wetlands Permit / USACE Section 404 Permit / Section 401 WQC (potential) / NEPA
2, 3	Water supply	Minor, Temporary	Project would use limited amounts of water during construction and would not use water for operation. Not located with surface or groundwater source protection area. There are several private wells in the vicinity, but little or no blasting is anticipated during construction.	NA [DEC Wastewater and Potable Water Supply Permit / NEPA]
4	Soil Erosion	Minor, Temporary	EPSC plan and DEC construction stormwater permit would be required for construction phase stormwater management.	DEC Const. Phase SW Permit / DEC Op. Phase SW Permit
5	A Traffic	Minor Temporary, Long-term Beneficial	Reconstruction of the transportation infrastructure through this Project is intended to mitigate existing traffic safety issues. Temporary traffic impacts during construction would be mitigated through the implementation of a comprehensive Transportation Management Plan and Smart Work Zone deployment. Project is intended to mitigate existing traffic safety issues. Traffic study shows the long-term alternatives considerably improve traffic flow.	NEPA
5	B Transportation	Minor Temporary, Long-term Beneficial	The proposed interchange improvements incorporate enhanced bicycle facilities. The Chimney Corners Park and Ride is the only public transportation in the area. No impacts are proposed to the facility and it would continue to be utilized and maintained.	NA [NEPA]
6	Educational services	None	No effect.	NA [NEPA]
7	Municipal services	Minor Temporary, Local, Long-term Beneficial	Long term improvement due to anticipated reduction in traffic congestion. Short-term impact during construction.	NA [NEPA]
8	Aesthetics, scenic and natural beauty	Minor	Project area highway current/future includes infrastructure would not appreciably change the landscape.	NEPA
8	Historic sites & archeology	None	Hartgen conducted a Phase IB archeological survey in November 2018. No precontact cultural materials or potentially significant historic deposits were recovered during the Phase IB testing, and no further archeological work is recommended for the project as presently designed.	Section 106 and 404 Review Section 4(f) NEPA
8	Rare and irreplaceable natural areas	Minor	No DEC-mapped significant natural communities are mapped within the Project Area. Very minimal impacts to a potential significant natural community are possible due to the reconfiguration of the signalization at the Chimney Corners intersection.	NEPA [F&W Coord]
8	A Necessary wildlife habitat and endangered species	None to Minor and Local	No known necessary wildlife habitat areas, rare and endangered species, or deer wintering areas are located within the Project Area. VTFWD would be consulted for tree cutting.	NEPA [F&W T&E Permit / Fed ESA Permit]
9	A Impact of growth	None	The Project involves improvements to an existing highway interchange facility to accommodate growth in the surrounding towns and counties and is not a trip generator.	NA
9	B Primary agricultural soils	Minor	The relocated southbound off ramp would unavoidably impact 0.88 acres of primary agricultural soils. AAFM has issued a letter to VTrans and VHB indicating concurrence with the de minimis conclusion and indicating that no mitigation would be required.	Agency of Agriculture Review NEPA
9	C Productive forest soils	None	Not located in an area of productive forest soils.	NA [USDA Green Mountain National Forest Authorization under FHWA MOU]
9	D&E Earth Resources and Extraction of Earth Resources	None	This Project is not located in an area with potential for extraction of earth resources. These criteria are not applicable to the Project.	NA
9	F Energy conservation	None	Not applicable.	NA
9	G Private utility services	None	There are no private utilities associated with the Project.	NA
9	H Scattered development	None	Would not place an excessive or uneconomic demand on any governmental or public facilities or services. Improved travel times would be a primary economic benefit.	NA [NEPA]
9	J Public utility services	Minor and Local	Existing public utilities would remain available following the construction of the Project. Some utilities would require relocation or alteration to accommodate Project design.	NA [NEPA]
9	K Public investments	None	Park and Ride facility to be maintained.	Section 4(f) / NEPA
9	L Settlement patterns	None	Would make efficient use of existing highway infrastructure.	NA [NEPA]
10	Local and regional plans	None	Work planned for Exit 17 in conformance with Colchester Town Plan, 2018 Chittenden County Plan, and CCMPO Metropolitan Transportation Plan.	NEPA

NOTES:

1. List of criteria based on NRB website (<http://nrb.vermont.gov/act250-permit/criteria>; accessed April 2018) and 10 V.S.A. § 6086

2. Explanation of Impact Terms:

None: Project is not expected to result in any impacts.

Minor: Project impacts would be expected to be measurable, but not significant

Moderate: Project impacts greater than minor are possible. Further assessment is needed to determine level of significance and adversity

Local: Impact would only occur in the nearby Project vicinity

Temporary: Impacts would be limited to Project construction phase

Long Term: expected to exceed Project construction phase

Beneficial: Project impact expected to result in a favorable outcome

Also, note that all impacts are presumed to be permanent, unless noted above as Temporary

Bolded indicated reviews relevant to Exit 17 Project; unbolded indicate permit related to criterion but not needed for this project.