

Appendix 4.8-C

List of Archaeological Sites and Sensitive Areas and Potential Impacts by Alternatives

Appendix E, Table 1. Archaeological Sites / Sensitive Areas and Potential Impacts, Southern Triangle APE, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Fall River Secondary Right-of-Way	<p>1.6 mile segment within the Lower Taunton River Basin Archaeological District</p> <p>High sensitivity: 19th c. Forge Pond Mill Complex (MHC #FRE-HA-22) adjacent to rail right-of-way in Freetown</p> <p><u>Electric option:</u> potential for archaeologically sensitive strata below rail bed disturbance and fill deposits</p>	<p>For diesel option, no potential direct impacts within the previously disturbed right-of-way;</p> <p>For electric option, potential for overhead catenary structure support footings to extend into archaeologically sensitive strata containing sites</p>
Fall River Secondary Off Right-of-Way Work Areas	Survey pending	To be determined
Fall River Secondary New Traction Power Facility	Survey pending	To be determined
New Bedford Main Line Right-of-Way	<p>High sensitivity: Two historic cemeteries: Howland Cemetery (MHC #LAK.806) in Lakeville and Braley Cemetery (MHC #FRE.823) in Freetown along to rail right-of-way</p> <p><u>Electric option:</u> potential for archaeologically sensitive strata below rail bed disturbance and fill deposits</p>	<p>Potential for direct impacts to unmarked burials within the right-of-way embankments</p> <p>For electric option, potential for overhead catenary structure support footings to extend into archaeologically sensitive strata containing sites</p>
New Bedford Main Line Third Track at Proposed Taunton Depot Station	Moderate sensitivity for undocumented pre-contact/contact Native American sites	Potential for direct impacts to undocumented archaeological sites in sensitive areas
New Bedford Main Line Off Right-of-Way Work Areas	Survey pending	To be determined
New Bedford Secondary Two to Three New Traction Power Facilities	Survey pending	To be determined

Appendix E, Table 2. Archaeological Sites / Sensitive Areas and Potential Impacts, Attleboro Alternatives APE, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Northeast Corridor Right-of-Way	None	None
Northeast Corridor Off Right-of-Way Work Areas	Survey pending	To be determined
Northeast Corridor Rail and Highway Bridge Reconstructions	Survey pending	To be determined
Northeast Corridor New Traction Power Facility	Survey pending	To be determined
New Canton Viaduct Bridge	Survey pending	To be determined
Attleboro Bypass New Right-of Way and associated at-grade road/railroad crossings	Moderate and high sensitivity areas for pre-contact/contact Native American sites and post-contact EuroAmerican agrarian-related cultural deposits	Potential for direct impacts to undocumented archaeological sites in sensitive areas
Attleboro Bypass New Traction Power Facility	Survey pending	To be determined
Attleboro Secondary Right-of-Way	For diesel option, none For electric option, potential for archaeologically sensitive strata below rail bed disturbance and fill deposits	For diesel option, none For electric option, potential for overhead catenary structure support footings to extend into archaeologically sensitive strata containing sites
Attleboro Secondary Three New Traction Power Facilities	Survey pending	To be determined

Appendix E, Table 3. Archaeological Sites / Sensitive Areas and Potential Impacts, Stoughton Alternatives and Whittenton Alternatives APEs, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Stoughton line right-of-way (out-of-service segment)	<p>High sensitivity areas in Easton north of Foundry Street and from Elm Street north to Stoughton town line – documented post-contact EuroAmerican sites</p> <p><u>Electric option:</u> potential for archaeologically sensitive strata below rail bed disturbance and fill deposits</p>	<p>Potential for direct impacts to documented archaeological sites in sensitive areas</p> <p>For electric option, potential for overhead catenary structure support footings to extend into archaeologically sensitive strata containing sites</p>
Stoughton line right-of-way (out-of-service segment) thru Hockomock and Pine Swamps	Sensitive terraces beneath railroad embankment through swamps for pre-contact/contact Native American sites; also traditional cultural places for Wampanoag Tribe of Gay Head/Aquinnah	Potential for direct impacts to undocumented archaeological sites and traditional cultural places for Native Americans
Route 138 Grade Separation (out-of-service segment of Stoughton line)	Moderate sensitivity for pre-contact/contact Native American and underdocumented post-contact EuroAmerican sites	Potential for direct impacts to undocumented and underdocumented archaeological sites
Frontage Road	None	None
Stoughton line Three New Traction Power Facilities	Survey pending	To be determined
Whittenton Branch right-of-way	Survey completion pending	To be determined

Appendix E, Table 4. Archaeological Sites / Sensitive Areas and Potential Impacts, Rapid Bus APE, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Highway Corridor Rights-of-Way	None	None
Interchange reconfigurations	Survey pending	To be determined
Bridge reconstructions	Survey pending	To be determined

Appendix E, Table 5. Archaeological Sites / Sensitive Areas and Potential Impacts, Station APEs, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Barrowsville	Moderate and high sensitivity areas for undocumented pre-contact/contact Native American and documented post-contact EuroAmerican sites	Potential for direct impacts to undocumented and documented archaeological sites in sensitive areas
Battleship Cove	None	None
Canton Center	Survey pending	To be determined
Canton Junction	Survey pending	To be determined
Downtown Taunton	Moderate and high sensitivity areas for documented EuroAmerican sites	Potential for direct impacts to documented archaeological sites in sensitive areas
Easton Village	Moderate sensitivity area for undocumented pre-contact/contact Native American and documented post-contact EuroAmerican sites	Potential for direct impacts to undocumented and documented archaeological sites in sensitive areas
Fall River	None	None
Freetown	Moderate and high sensitivity areas for undocumented pre-contact/contact Native American sites within the Lower Taunton River Basin Archaeological District	Potential for direct impacts to undocumented archaeological sites in sensitive areas
Galleria	No belowground disturbances proposed – no survey conducted	None
King's Highway	Moderate and high sensitivity areas for pre-contact/contact Native American and documented EuroAmerican sites	Potential for direct impacts to undocumented and documented archaeological sites in sensitive areas
Mansfield	Survey pending	To be determined
North Easton	Moderate sensitivity area for pre-contact/contact Native American and underdocumented post-contact EuroAmerican sites	Potential for direct impacts to undocumented and underdocumented archaeological sites in sensitive areas
Raynham Place	None	None
Sharon	Survey pending	To be determined
Stoughton	Survey pending	To be determined
Taunton	None	None
Taunton Depot	One recorded pre-contact Native American site (MHC #19-BR-592) and surrounding high sensitivity areas	Potential for direct impacts to recorded archaeological site
Whale's Tooth	High sensitivity for pre-contact/contact Native American and documented post-contact EuroAmerican sites within the Acushnet Avenue Waterfront Industrial historic area	Potential for direct impacts to undocumented and documented archaeological sites in sensitive areas

Appendix E, Table 6. Archaeological Sites / Sensitive Areas and Potential Impacts, Layover Facility APEs, South Coast Rail Project.

Element/Component	Archaeological Sites and Sensitive Areas	Potential Impact(s)
Boston Mid-day	Survey pending	To be determined
Wamsutta	High archaeological sensitivity for undocumented pre-contact/contact period Native American and documented post-contact EuroAmerican sites within the Acushnet Avenue Waterfront Industrial historic area	Potential for direct impacts to undocumented and documented archaeological sites in sensitive areas
Church Street	Moderate archaeological sensitivity for undocumented pre-contact/contact period Native American and underdocumented post-contact EuroAmerican sites	Potential for direct impacts to undocumented and underdocumented archaeological sites in sensitive areas
Weaver's Cove	Previously surveyed – no sites or sensitive areas	None
ISP	One recorded pre-contact Native American site (MHC #19-BR-106) within the Lower Taunton River Basin Archaeological District and surrounding high sensitivity in entire parcel; underdocumented post-contact EuroAmerican sites	Potential for direct impacts to recorded archaeological site and underdocumented sites in sensitive areas