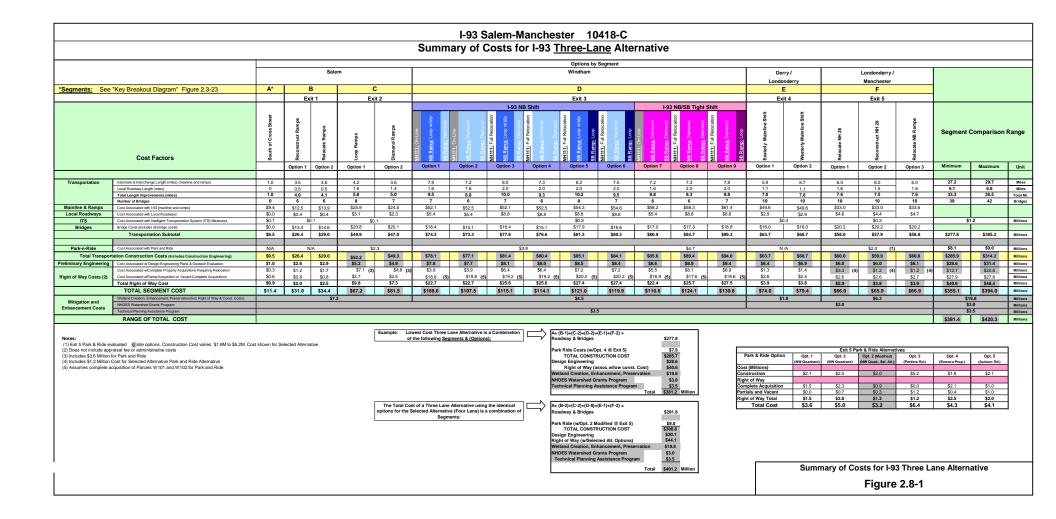
Summary of Impacts and Costs for the I-93 Selected Alternative

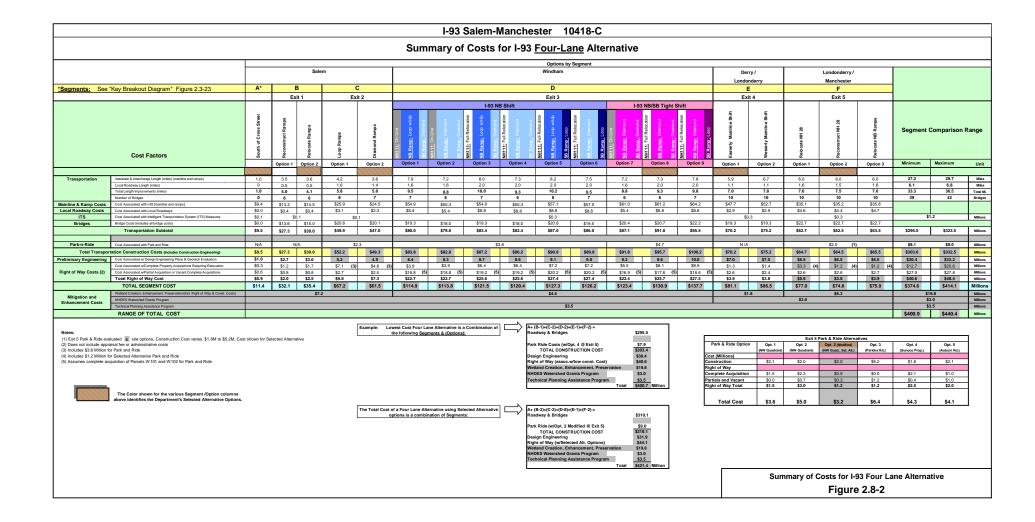
I-93 Salem-Manchester 10418-C See Figure 2.3-23 for Segment Locations.		Salem			Windham	Derry/ Londonderry	Londonderry/ Manchester		
		A	В	C	D	E	F	All Segments	
		1	Exit 1	Exit2	Exit 3	Exit 4	Exit 5		l E
Resource		South of Cross Street	Relocate	Diamond	NH111: Full Relocation NH Ramp: Diamond SER Ramp: Diamond	East	Reconstruct NH 28	Park & Rides (New Facilities at Exits 2, 3, and 5)	TOTAL IMPACTS
	Interstate and Interchange Improvements (miles) (mainline and ramps)	1.0	3.6	3.6	7.3	5.9	6.0	NA	27.
Transportation	Local Roadway Improvements (miles)	0.0	0.5	1.4	2.0	1.1	1.5	1.2	6.5
	Total Improvements (miles)	1.0	4.1	5.0	9.3	7.0	7.5	1.2	33. 17
41-0	Number of Signalized Intersections	- 0			Federal CO Standard	_ i= 2020] 3	No Effect	Nor
Air Quality	Microscale CO Exceedances (2020)							No Effect	No
Surface Water Quality	Pollutant Contribution to Receiving Waters	With proposed measures 17 of 21 Streams expected to have either lower or no net increase in pollutant loading as compared to No Build. Four streams projected to have average annual chloride concentrations above the chronic							
Aquatic Life	Number of Perennial Stream Crossings	2	1	3	7	4	5	1 at Exit 5	23
									_
	Stratified-Drift Under Roadway Area (acres)	9.9	16.4	7.2	None	33.8	10.7	6.5 at Exit 5	82
Groundwater Quality	Number of Public Wells where roadway crosses WHPA	None	None	None	Proposed roadway closer to 5 community wells, NB lanes 700 feet further from large community well.	Within 400 feet of small community well.	None	Exit 3 only	8
Floodplains	Floodway (Acre - Feet)	2.4	0	0	0	3.0	0.7	No Impacts	- 6
Пооаршио	100 Year Floodplain (Acre - Feet) Prime Farmland Soils (Acres)	21.2 No Impacts	0.5 No Impacts	12.5 3.1	1.5 0.3	5.9 0.8	2.1 No Impacts		4:
Farmlands	Farmland Soils of Statewide Importance (Acres)	0	0.3	1.6	0.4	No Impacts	0.3	Negligible	10
ramilianus	Farmland Soils of Local Importance (Acres) Active Farmland (Acres)	0.4	0.4	2.2	No Impacts No Impacts	No Impacts	0.3	regugioio	-
Western In	Palustrine Forested (Acres)	No Impacts 3.3	5.7	No Impacts 9.0	10.6	No Impacts 12.0	No Impacts 8.0	0.8	
	Palustrine Emergent (Acres)	0.6	2.1 0.1	1.4	4.1 1.8	5.2	7.0	0.8	77
Wetlands	Palustrine Scrub-shrub (Acres) Palustrine Open Water (Acres)	0.0	0.1	0.4 0.0	0.0	1.1 0.2	2.3 0.0	0.0	7
	Total Wetland Impacts (Acres)	3.9	8.4	10.7	16.5	18.4	17.3	1.6	
Vernal Pools	Number Impacted		No Impacts		1	2	No Impacts	No Impacts	3
Wildlife	Direct Impacts on Habitats (Acres)	Estimated 150 acres of Upland Habitat and 77 Acres of Wetland Habitat Affected.						Approx. 27 - 30 Acres Affected	26
Threatened and	Number Populations Impacted	No Impacts One Population of Lupine Impacted			No Impacts			No Impacts	1
Endangered Species	Number of Receptors Approaching or Exceeding				(31/23) (58/72) (48/56)				
Noise	Number of Receptors Approaching or Exceeding FHWA Noise Abatement Criteria (1997/2020)	(75	/96)	(22/32)	(31/23)	(58/72)	(48/56)	No Impacts	(265/
Visual	Impacts to Views from and to the Highway	Soundwall will screen Haigh Ave. neighborhood.	Soundwall will screen neighborhoods east of NB off- ramp.	Buffer reduced between barrels and adjacent to Trolley Lane.	Buffer reduced between barrels. Vertical alignment change will be visable to adjacent neighborhoods.	Privacy fence used between highway and adjacent neighborhoods. Buffer reduced adjacent to Woodmont Orchards.	Reduced buffer between barrels.	Reduced Screening at Exit 2 Lot.	N
Archaeological	Number of Potentially Eligible Sites - Prehistoric / Historic	0	0	2	10	2	9	No Impacts	23
Historical	Number of Potentially Eligible Sites - Historic Properties	1	0	0	2	2	1	No Impacts	Е
inht of Mon Displac	Number of Residential Total Property Acquisitions	1	4	3	2	3	0	8	2
Right-of-Way Displacement	Number of Business Total Property Acquisitions	0	0	1	8	2	0	3	1-
Economic	Change in Tax base	Estimated Loss of	About \$11Million fro	om Tax Base with a	5.20 Million Loss in Ta	x Revenue for the 5	Towns Combined.	Some Loss at Exit 5	\$11.0
Neighborhood and Community Facilities	Environmental Justice Issues and Effects on Public Facilities	Effects on Public No Effect on Populations of Low Income or Minorities. No Community Facilities Impacted.						No Effect	No
Land Use	Direct Change in Land Use	Small Direct Effect on Land Use Since Highway Widening Takes Place Largely within Existing Right-Of-Way. No.							N.
Secondary Development	Stimulation of Growth	Potential Population Growth of 41,000 and 22,000 Additional Jobs by 2020. No Effect							N/
Public Parks and								_	
Recreational Land	4(f) and 6(f) Properties (Other than Historical)		No Impacts	s to Either 4(f) or 6(f)	Properties (Other tha	n Historical).		No Impacts	No
Hazardous Materials	Potentially Contaminated Properties	No Impacts	1 Site	2 Sites	4 Sites	2 Sites	1 Site	3 Sites	1:
Energy	Fuel Use Efficiency	Future Fuel	Conservation with I	More Efficient Flow o	Traffic and Emphasi	s on Multi-Modal Me	ans of Travel	Both Promote Fuel Conservation	N.
Costs (Millions)	Total Segment Cost Including Right of Way, Design Engineering & Construction Costs (excluding Mitigation & Enhancement Costs	\$11.4	\$35.4	\$59.2	126.2	\$81.1	\$72.8	\$9.0	\$39
Mitigation and Enhancement Costs (Millions) [*]	Wetland Creation, Enhancement, Preservation		\$7.2		\$4.5	\$1.8	\$6.3	NA	\$19
	NHDES Watershed Grants Program				•	\$:	3.0	NA NA	\$3.
	Technical Planning Assistance Program		_		acts and Co		- 1 00 0 :	NA	\$3
	igation and Enhancement Costs = \$26.3 Millio	_	. Summ						

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