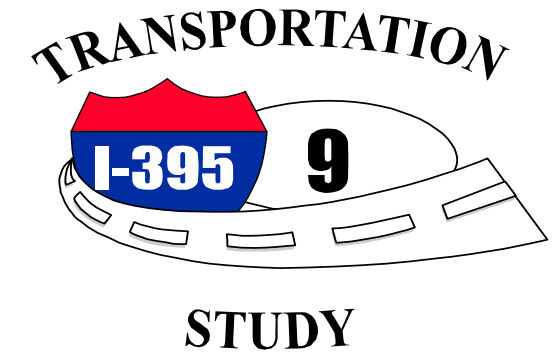


Summary of Preliminary Impacts and Feasibility of the Range of Reasonable Alternatives Retained for Continued Screening November 2001

Purpose and Needs

Physical and Biological Environment

Alternative	Satisfy Purpose (yes/no)	Satisfy Needs (yes/no)	NWI & Hydric Soils (acres)	NWI / Hydric Soils (acres)	# of Wetlands (each/acres ²)	Water Crossings (No./ Fish)	Undeveloped Wildlife Habitat	Notable Wildlife Habitat (acres)	Aquifers: Surface Area Impacted (acres)	High Yield Aquifers (acres)	Floodplains (acres)	Community Wells Directly Impacted (each)	Active Farmland (acres)	Prime Farmland Soils (acres)	Farmland Soils of Statewide Importance (acres)
No-build	no	no													
1 ¹	yes	yes	28.7	0.1/23.1	3/28.7	5/0	40.3	0.0	156.3	0.0	1.4	0	13.8	51.4	0
1-4B ¹	yes	yes	31.1	3.2/30.5	5/31.1	8/0	157.1	0.0	221.0	0.0	1.1	0	7.1	35.8	0
2B	yes	yes	27.8	4.1/24.4	5/27.8	6/2	92.5	0.0	120.0	0.0	10.5	0	17.1	23.3	0
3AI	yes	yes	43.0	1.6/36.8	3/43.0	5/2	141.3	2.9	156.3	0.0	10.3	0	5.9	10.5	0
3AIK	yes	yes	50.3	1.6/42.8	3/50.3	7/2	180.2	2.9	200.1	0.0	10.3	0	7.5	20.7	0
3EI	yes	yes	39.5	4.5/39.4	8/39.5	5/0	172.3	3.2	182.1	0.0	7.4	0	2.4	10.4	0
3EIK	yes	yes	46.8	4.5/45.5	8/46.8	7/0	211.3	3.2	225.9	0.0	7.4	0	4.1	20.5	0
3E-2C	yes	yes	22.4	3.6/20.0	11/22.4	9/0	150.3	0.1	166.5	0.0	6.4	0	3.2	124.7	0
3E-2C-2E	yes	yes	30.8	3.6/27.1	11/30.8	12/0	208.6	0.1	233.3	0.0	6.4	0	4.8	133.4	0
4B	yes	yes	45.0	2.3/35.9	7/45.0	4/0	297.4	2.4	326.7	0.0	0.8	0	9.2	24.8	0



Land Use

Cultural Resources

Engineering Feasibility

Alternative	Commercial Land (acres)	Residential Land (acres)	Agricultural (acres)	Undeveloped Land (acres)	Other Land (acres)	Total Land (acres)	Residential Displacements ³	Commercial Displacements	Env. Risk Sites	Archaeological Areas (each)	Recorded Archaeological Sites (each)	Historic Properties (each)	Satisfy Design Criteria (yes/no)	Length of Roadway (miles)	Bridge (No./Length in feet)	Cut (millions of cubic yards)	Fill (millions of cubic yards)	Net Earthwork (millions of cubic yards)	Deepest Cut (feet)	Deepest Fill (feet)	Roadway Crossings	Average Grade	Average Curvature
No-build													no										
1 ¹	6.1	42.1	13.8	40.3	54.0	156.3	5	0	0				no	10.2	5/1,313	0.66	0.35	0.31	16	25	16	1.81	0.86
1-4B ¹	5.7	24.4	7.1	157.1	63.9	221.0	9	0	0				no	10.2	7/1,845	2.95	3.04	-0.09	112	86	12	1.75	0.38
2B	0.0	4.9	17.1	92.5	5.5	120.0	3	0	0				yes	5.8	7/4,354	0.89	0.91	-0.03	37	29	4	1.13	0.58
3AI	0.0	4.6	5.9	141.3	4.6	156.3	3	0	0				yes	7.0	8/4,645	1.40	1.74	-0.35	62	39	4	1.52	0.27
3AIK	0.0	6.4	7.5	180.2	6.0	200.1	4	0	0				yes	9.2	9/4,814	1.77	2.13	-0.35	62	39	5	1.54	0.44
3EI	1.5	0.7	2.4	172.3	5.0	182.1	1	0	0				yes	8.2	9/3,779	1.52	1.81	-0.29	66	37	3	1.52	0.44
3EIK	1.5	2.5	4.1	211.3	6.4	225.9	2	0	0				yes	10.4	10/3,948	1.90	2.19	-0.29	66	37	4	1.54	0.55
3E-2C	1.5	5.6	3.2	150.3	6.0	166.5	4	0	0				yes	7.8	8/3,607	1.18	1.24	-0.07	44	34	4	1.22	0.62
3E-2C-2E	1.5	11.7	4.8	208.6	6.7	233.3	6	0	0				yes	10.7	12/4,440	2.15	2.21	-0.06	45	39	8	1.20	0.61
4B	0.0	12.6	9.2	297.4	7.4	326.7	4	0	0				yes	11.0	11/3,486	7.67	7.43	0.24	114	120	9	1.71	0.54

Notes:

¹ Four lane cross-section on Route 1A.

² Hydric soils were considered to be wetland areas.

³ A residence was considered displaced if it was directly impacted by an alternative.