

MACRO ANALYSIS SUMMARY TABLES



Criteria	Unit of Measure	Corridors																								
		Sections	T1 T5 BN1 D11 D1	T1 T5 BN1 D11 D4	T1 T5 BN1 D12 D8 D2	T1 T5 BN1 D12 D8 D3	T1 T6 BN2 D10 D1	T1 T6 BN2 D10 D4	T1 T6 BN2 D13 D8 D2	T1 T6 BN2 D13 D8 D3	T1 T6 T13 BN3 D10 D1	T1 T6 T13 BN3 D10 D4	T1 T6 T13 BN3 D13 D8 D2	T1 T6 T13 BN3 D13 D8 D3	T1 T6 T14 BN4 D16 D14 D10 D1	T1 T6 T14 BN4 D16 D14 D10 D4	T1 T6 T14 BN4 D16 D14 D13 D8 D2	T1 T6 T14 BN4 D16 D14 D13 D8 D3	T1 T6 T14 BN5 D15 D14 D10 D1	T1 T6 T14 BN5 D15 D14 D10 D4	T1 T6 T14 BN5 D15 D14 D13 D8 D2	T1 T6 T14 BN5 D15 D14 D13 D8 D3	T2 T7 BN1 D11 D1	T2 T7 BN1 D11 D4	T2 T7 BN1 D12 D8 D2	
		#	1	2	3	4	7	8	9	10	13	14	15	16	19	20	21	22	26	27	28	29	33	34	35	
Environmental																										
Water Quality/Water Resources	Floodplain (acres affected)		0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	8	8	8	8	0	0	0	
	Floodways (acres affected)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Biologically Significant Streams (number of crossings)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Class I Streams (number of crossings)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Streams (number of crossings)		3	3	4	3	2	2	3	2	2	2	3	2	4	4	5	4	4	4	4	5	4	3	3	4
	Drinking Water Supplies - Surface Water (number affected)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wetlands	Wetland Areas (acres affected)		1.0	0.9	0.0	0.0	1.5	1.3	0.5	0.5	1.0	0.9	0.0	0.0	1.0	0.9	0.0	0.0	1.0	0.9	0.0	0.0	1.0	0.9	0.0	
	Wetland Areas (number affected)		1	1	0	0	2	2	1	1	1	1	0	0	2	2	1	1	1	1	0	0	1	1	0	
Special Waste	CERCLIS, LUST, RCRA Sites (number affected)		4	4	4	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	
Forested Area	Forested Area (acre affected)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
T&E Species	Threatened and Endangered Species (number affected)		0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
Community and Economic																										
Residences	Homes, including Farm Homes (number displaced)		42	40	39	39	15	13	10	10	11	9	6	6	13	11	8	8	9	7	4	4	42	40	39	
Business	Commercial Buildings (number displaced)		7	7	7	7	5	5	5	5	0	0	0	0	0	0	0	0	1	1	1	1	7	7	7	
Public Facilities	Public Facilities (number displaced)		5	5	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	
	Public Facilities with Access Change (number affected)		6	6	6	6	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	5	5	5	
Section 4(f) Impacts	Parklands (acres affected)		11.0	11.0	11.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.0	11.0	
	Parklands (number affected)		2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	
Utilities	Utilities Crossings (number of conflicts)		7	7	7	7	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	7	7	7	
	Utility Infrastructure (number affected)		1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
Noise	Noise Receptors (number within 500 feet of corridor)		263	252	255	253	44	33	37	35	40	29	33	31	37	26	30	28	22	11	15	13	264	253	256	
Agricultural																										
Prime and Important Farmland	Prime and Important Farmland (acres affected)		574	588	602	578	703	716	731	707	720	734	748	724	806	819	834	810	869	882	897	873	588	602	616	
Farmsteads	Farm Outbuildings (number affected)		21	22	33	32	32	33	34	33	13	14	15	14	19	20	21	20	14	15	16	15	22	23	34	
Tracts	Tract Severances (number affected)		8	8	13	10	15	15	20	17	20	20	25	22	22	22	27	24	26	26	31	28	12	12	17	
	Tracts with Access Change (number affected)		24	21	30	26	17	14	19	15	26	23	28	24	31	28	33	29	30	27	32	28	28	25	34	
Farms	Centennial/Sesquicentennial Farms (number affected)		3	3	3	3	8	8	8	8	7	7	7	7	8	8	8	8	8	8	8	8	3	3	3	
	Farms Otherwise Affected (number affected)		57	56	60	57	59	58	60	57	58	57	59	56	64	63	65	62	69	68	70	67	53	52	56	
Cultural																										
Cultural	Historic Sites (number affected)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cemeteries (number affected)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	High Probability Archaeological Sites (acres affected)		0	0	0	0	19	19	19	19	30	30	30	30	75	75	75	75	61	61	61	61	6	6	6	
Design																										
Right-of-Way	Right-of-Way Acquisition (acres)		627	639	659	636	714	727	744	720	717	730	746	723	793	805	822	798	875	888	905	881	645	658	678	
Length of Roadway	Length in Miles		11.4	11.6	12.1	11.7	12.1	12.3	12.7	12.2	12.3	12.5	12.9	12.5	13.9	14.1	14.5	14.0	14.8	15.0	15.4	14.9	11.6	11.8	12.3	
Traffic																										
Safety Analysis	Percent Change in Total Crashes		-53.8%	-53.8%	-53.8%	-53.8%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-53.8%	-53.8%	-53.8%	
Type of Elimination ¹			R	R	R	R	-	-	-	O	-	-	-	O	-	-	-	P	P	P	P	P	R	R	R	

MACRO ANALYSIS SUMMARY TABLES



Criteria	Unit of Measure	Corridors																							
		Sections	T2 T7 BN1 D12 D8 D3	T2 T8 BN2 D10 D1	T2 T8 BN2 D10 D4	T2 T8 BN2 D13 D8 D2	T2 T8 BN2 D13 D8 D3	T2 T8 T13 BN3 D10 D1	T2 T8 T13 BN3 D10 D4	T2 T8 T13 BN3 D13 D8 D2	T2 T8 T13 BN3 D13 D8 D3	T2 T8 T14 T15 BN4 D16 D14 D10 D1	T2 T8 T14 T15 BN4 D16 D14 D10 D4	T2 T8 T14 T15 BN4 D16 D14 D13 D8 D2	T2 T8 T14 T15 BN4 D16 D14 D13 D8 D3	T2 T8 T14 T16 BN5 D15 D14 D10 D1	T2 T8 T14 T16 BN5 D15 D14 D10 D4	T2 T8 T14 T16 BN5 D15 D14 D13 D8 D2	T2 T8 T14 T16 BN5 D15 D14 D13 D8 D3	T3 T9 BN1 D11 D1	T3 T9 BN1 D11 D4	T3 T9 BN1 D12 D8 D2	T3 T9 BN1 D12 D8 D3	T3 T10 BN2 D10 D1	T3 T10 BN2 D10 D4
		#	36	39	40	41	42	45	46	47	48	51	52	53	54	58	59	60	61	65	66	67	68	71	72
Environmental																									
Water Quality/Water Resources	Floodplain (acres affected)	0	0	0	0	0	0	0	0	0	9	9	9	9	8	8	8	8	0	0	0	0	0	0	
	Floodways (acres affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Biologically Significant Streams (number of crossings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Class I Streams (number of crossings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Streams (number of crossings)	3	2	2	3	2	2	2	3	2	4	4	5	4	4	4	5	4	3	3	4	3	2	2	
	Drinking Water Supplies - Surface Water (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wetlands	Wetland Areas (acres affected)	0.0	1.5	1.3	0.5	0.5	1.0	0.9	0.0	0.0	1.0	0.9	0.0	0.0	1.0	0.9	0.0	0.0	1.0	0.9	0.0	0.0	1.5	1.3	
	Wetland Areas (number affected)	0	2	2	1	1	1	1	0	0	2	2	1	1	1	1	0	0	1	1	0	0	2	2	
Special Waste	CERCLIS, LUST, RCRA Sites (number affected)	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	6	6	6	6	4	4	
Forested Area	Forested Area (acre affected)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
T&E Species	Threatened and Endangered Species (number affected)	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Community and Economic																									
Residences	Homes, including Farm Homes (number displaced)	39	15	13	10	10	11	9	6	6	13	11	8	8	9	7	4	4	55	53	52	52	27	25	
Business	Commercial Buildings (number displaced)	7	5	5	5	5	0	0	0	0	0	0	0	0	1	1	1	1	11	11	11	11	9	9	
Public Facilities	Public Facilities (number displaced)	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	1	1	
	Public Facilities with Access Change (number affected)	5	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	6	6	6	6	1	1	
Section 4(f) Impacts	Parklands (acres affected)	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.0	11.0	11.0	0.0	0.0	
	Parklands (number affected)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	0	0	
Utilities	Utilities Crossings (number of conflicts)	7	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	6	6	6	6	4	4	
	Utility Infrastructure (number affected)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	
Noise	Noise Receptors (number within 500 feet of corridor)	254	45	34	38	36	41	30	34	32	38	27	31	29	23	12	16	14	299	288	291	289	80	69	
Agricultural																									
Prime and Important Farmland	Prime and Important Farmland (acres affected)	592	710	724	738	714	728	741	756	732	813	826	841	817	876	890	905	880	534	548	562	537	651	665	
Farmsteads	Farm Outbuildings (number affected)	33	33	34	35	34	14	15	16	15	20	21	22	21	15	16	17	16	20	21	32	31	31	32	
Tracts	Tract Severances (number affected)	14	19	19	24	21	24	24	29	26	26	26	31	28	30	30	35	32	7	7	12	9	16	16	
	Tracts with Access Change (number affected)	30	17	14	19	15	26	23	28	24	31	28	33	29	30	27	32	28	28	25	34	30	17	14	
Farms	Centennial/Sesquicentennial Farms (number affected)	3	8	8	8	8	7	7	7	7	8	8	8	8	8	8	8	8	4	4	4	4	8	8	
	Farms Otherwise Affected (number affected)	53	56	55	57	54	55	54	56	53	61	60	62	59	66	65	67	64	55	54	58	55	53	52	
Cultural																									
Cultural	Historic Sites (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cemeteries (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	High Probability Archaeological Sites (acres affected)	6	20	20	20	20	31	31	31	31	76	76	76	76	63	63	63	63	23	23	23	23	22	22	
Design																									
Right-of-Way	Right-of-Way Acquisition (acres)	655	729	741	758	734	731	744	761	737	807	820	837	813	889	902	919	895	599	612	632	609	678	690	
Length of Roadway	Length in Miles	11.8	12.1	12.3	12.7	12.2	12.3	12.5	12.9	12.5	13.9	14.1	14.5	14.1	14.8	15.0	15.4	14.9	11.0	11.2	11.6	11.2	11.3	11.5	
Traffic																									
Safety Analysis	Percent Change in Total Crashes	-53.8%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-53.8%	-53.8%	-53.8%	-53.8%	-43.3%	-43.3%	
	Type of Elimination ¹	R	-	-	-	O	-	-	-	O	-	-	-	P	P	P	P	P	R	R	R	R	-	-	

MACRO ANALYSIS SUMMARY TABLES



Criteria	Unit of Measure	Corridors																	
		Sections	T4 T12 T18 BN5 D15 D14 D10 D4	T4 T12 T18 BN5 D15 D14 D13 D8 D2	T4 T12 T18 BN5 D15 D14 D13 D8 D3	T19 BN4 D16 D14 D10 D1	T19 BN4 D16 D14 D10 D4	T19 BN4 D16 D14 D13 D8 D2	T19 BN4 D19 D2	T1 T6 T14 T15 BN4 D19 D2	T2 T8 T14 T15 BN4 D19 D2	T3 T10 T14 T15 BN4 D19 D2	T1 T6 BN2 D20 D2	T1 T6 T13 BN3 D21 D2	T2 T8 BN2 D20 D2	T2 T8 T13 BN3 D21 D2	T3 T10 BN2 D20 D2	T3 T10 T13 BN3 D21 D2	E-W Only Alt
		#	111	112	113	117	118	119	120	121	122	123	124	125	126	127	128	129	E-W
Environmental																			
Water Quality/Water Resources	Floodplain (acres affected)	13	13	13	9	9	9	9	9	9	9	0	0	0	0	0	0	13	
	Floodways (acres affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Biologically Significant Streams (number of crossings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Class I Streams (number of crossings)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Streams (number of crossings)	4	5	4	4	4	5	6	6	6	6	3	3	3	3	3	3	8	
	Drinking Water Supplies - Surface Water (number affected)	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wetlands	Wetland Areas (acres affected)	0.9	0.0	0.0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
	Wetland Areas (number affected)	1	0	0	2	2	1	1	1	1	1	1	0	1	0	1	0	3	
Special Waste	CERCLIS, LUST, RCRA Sites (number affected)	2	2	2	0	0	0	0	1	1	3	2	1	2	1	4	3	19	
Forested Area	Forested Area (acre affected)	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
T&E Species	Threatened and Endangered Species (number affected)	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	
Community and Economic																			
Residences	Homes, including Farm Homes (number displaced)	12	9	9	22	20	17	15	6	6	18	8	4	8	4	16	12	106	
Business	Commercial Buildings (number displaced)	1	1	1	4	4	4	4	0	0	4	5	0	5	0	9	4	14	
Public Facilities	Public Facilities (number displaced)	0	0	0	1	1	1	1	1	0	1	0	0	0	0	1	1	0	
	Public Facilities with Access Change (number affected)	0	0	0	2	2	2	2	2	1	2	1	1	0	0	1	1	8	
Section 4(f) Impacts	Parklands (acres affected)	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
	Parklands (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Utilities	Utilities Crossings (number of conflicts)	5	5	5	4	4	4	4	6	6	5	5	5	5	5	4	4	5	
	Utility Infrastructure (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Noise	Noise Receptors (number within 500 feet of corridor)	17	21	19	73	62	66	62	26	27	62	35	27	37	29	73	65	1345	
Agricultural																			
Prime and Important Farmland	Prime and Important Farmland (acres affected)	885	900	876	750	764	778	768	824	831	772	745	762	753	771	694	712	105	
Farmsteads	Farm Outbuildings (number affected)	36	37	36	18	19	20	10	11	12	10	24	5	25	6	23	4	1	
Tracts	Tract Severances (number affected)	18	23	20	19	19	24	18	21	25	22	18	28	21	32	18	28	0	
	Tracts with Access Change (number affected)	26	31	27	29	26	31	29	31	31	31	14	30	13	29	12	28	0	
Farms	Centennial/Sesquicentennial Farms (number affected)	10	10	10	7	7	7	7	8	8	8	8	7	8	7	8	7	5	
	Farms Otherwise Affected (number affected)	76	78	75	58	57	59	58	64	61	58	52	42	49	39	48	38	63	
Cultural																			
Cultural	Historic Sites (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cemeteries (number affected)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	High Probability Archaeological Sites (acres affected)	98	98	98	76	76	76	76	74	75	77	19	30	20	31	22	33	34	
Design																			
Right-of-Way	Right-of-Way Acquisition (acres)	898	915	891	751	764	781	764	805	820	769	750	754	763	767	714	717	225	
Length of Roadway	Length in Miles	15.1	15.5	15.1	13.0	13.2	13.6	13.3	14.1	14.2	13.4	12.7	13.0	12.8	13.0	12.0	12.3	14.1	
Traffic																			
Safety Analysis	Percent Change in Total Crashes	-42.9%	-42.9%	-42.9%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-43.3%	-	
Type of Elimination¹		P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	R	

Legend and Notes

Criteria used as differentiating criteria are highlighted

¹ Type of Elimination:

- R = Residential Impacts
- P = Prime and Important Farmland Impacts
- O = Other Considerations
- (-) = Carried Forward

	Alternative containing Section BN1
	Alternative containing Section BN2
	Alternative containing Section BN3
	Alternative containing Section BN4
	Alternative containing Section BN5