

November 9, 2023

ALTERNATIVE FEATURES AND POTENTIAL IMPACTS		ID #	PHASE 2 - NEW AND FURTHER EVALUATED ALTERNATIVES																
			From Howell Road to South of SH 205																
			All build alignments are subject to future refinements.																
		Aqua	Brown	Gray	Green/Purple	Green/Purple MOD	Orange		Pink	Violet	White								
ENGINEERING / DESIGN FEATURES																			
Alignment Length (miles)	1	7,911	7,432	7,512	7,367	7,056	7,686	8,986	7,402	8,553									
Estimated Existing ROW Utilized (acres)	2	11.7	10.8	8.0	9.4	7.3	15.8	9.4	21.8	7.8	21.2								
Estimated Total ROW Required (acres)	3	479.29	450.28	454.01	446.34	421.11	465.69	544.45	448.47	397.05									
COMMUNITY AND SOCIO-ECONOMIC IMPACTS																			
# of Properties Accessed by Proposed ROW	4	23	47	22	44	26	30	50	33	62									
Proposed ROW Impact to Public School Properties (acres)	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
Proposed ROW Impact to Other Publicly-Owned Properties / Conservation Easements (Acres)	6	0.00	0.00	0.00	0.00	1.51	0.00	7.37	0.00	0.00	0.00								
Proposed ROW Impact to Other HOA-Owned Open Space (acres)	6A	1.65	1.97	2.07	1.97	0.00	2.20	0.00	1.97	7.96									
# of Displaced Residences	7	7	2	2	2	1	1	4	4	24									
# of Residences within 500 feet	7A	37	67	52	63	54	48	54	64	108									
# of Displaced Publicly-Owned Facilities	8	0	0	0	0	0	0	0	0	0									
# of Displaced Barns/Sheds/Detached Garages	9	12	8	8	8	19	7	4	9	40									
# of Displaced Places of Worship	10	0	0	0	0	0	0	0	0	0									
# of Displaced Billboard Signs	11	0	0	0	0	0	0	0	0	1									
# of Commercial / Industrial / Other Facilities	12	1	0	0	2	2	0	0	0	2									
# of Census Tract Groups with Minority and/or Low-Income Populations	13	0	0	0	0	0	0	0	0	0									
# of TCEQ-Identified High-Risk Hazardous Sites	14	0	0	0	0	0	0	0	0	0									
IMPACTS TO FEDERAL, PROPOSED OR MAJOR INFRASTRUCTURE																			
Proposed ROW Impact to Federal Land or Projects (acres)	15	0.00	0.00	0.00	0.20	0.01	0.00	0.00	0.12	0.00									
Proposed ROW Impact to Railroads (acres)	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
Proposed ROW Impact to Airports (acres)	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
Proposed ROW Impact to Major Electric Utility Infrastructure (linear feet)	18	647	2207	2514	2207	2276	3715	641	2161	6872									
Proposed ROW Impact to Major ON/Gas Utility Infrastructure (linear feet)	19	646	15944	2297	1961	4073	3454	5907	6247	7457									
# of Displaced Utility Structures	20	1	4	4	4	4	7	1	4	12									
IMPACTS TO SECTION 401 RESOURCES																			
Proposed ROW Impact to Parks (acres)	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
Proposed ROW Impact to Wildlife or Waterfowl Refugees (acres)	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
# of Known Historic Properties within the Proposed ROW	23	0	0	0	0	0	0	0	0	0									
# of Historic-age Properties within the Proposed ROW	24	5	4	4	4	5	4	3	4	9									
# of Archeological Sites within Proposed ROW	25	0	0	0	0	0	0	0	0	0									
Proposed ROW Impact to Areas of High-Risk Potential Archeological Liability (acres)	26	29.40	8.42	6.15	8.47	10.47	6.03	11.54	8.47	23.1									
Proposed ROW Impact to Cemeteries (acres)	27	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
# of Cemeteries within Proposed ROW	28	0	0	0	0	0	0	0	0	0									
# of Local/State Landmarks or Historical Markers within the Proposed ROW	29	0	0	0	0	0	0	0	0	0									
# of Known Historic Properties within the APE	30	0	0	0	0	0	0	0	0	0									
# of Historic-age Properties within the APE	31	8	4	6	4	6	5	3	4	10									
IMPACTS TO NATURAL RESOURCES																			
Proposed ROW Impact within 100-Year Floodplain (acres)	32	78.22	63.33	55.34	63.04	60.93	47.80	47.33	73.69	52.28									
Proposed ROW Impact to Ponds and Lakes (acres)	33	11.23	2.29	1.39	3.44	5.97	3.24	5.05	2.74	2.28									
Proposed ROW Impact to NWI Wetlands (acres)	34	4.00	6.01	4.18	8.66	9.08	2.53	0.60	9.01	3.30									
Proposed ROW Impact to NHD Wetlands and Streams (acres)	35	2.99	2.74	2.08	2.77	2.52	2.52	2.49	3.08	2.32									
Proposed ROW Impact to Riparian Forest Areas (acres)	36	34.06	21.77	29.31	22.17	18.46	17.20	41.80	28.41	29.30									
Proposed ROW Impact to Potential Prime Farmland (acres)	37	441.74	432.84	442.41	428.30	402.60	456.10	491.97	424.77	397.01									
TRANSPORTATION PERFORMANCE FEATURES																			
Effect on Regional Mobility, Consistency with Approved Thoroughfare Plans, Effect on Local Access, Effect on Operational/Safety, Accommodate Future Traffic, Construction Difficulty or Disruption	38-43						TBD												
COMMUNITY SUPPORT																			
Local Agency and Public Official Support (City/County Concurrence), Public Accompanys	44-45						TBD												
PROJECT COSTS (\$ IN MILLIONS)																			
Estimated Construction Costs (\$M)	46	\$	576.5	\$	528.0	\$	485.0	\$	509.0	\$	477.4	\$	461.8	\$	502.5	\$	552.2	\$	459.3
Estimated ROW Costs (\$M)	47	\$	34.4	\$	20.1	\$	29.5	\$	31.0	\$	29.1	\$	29.2	\$	35.2	\$	30.3	\$	38.5
Estimated Utility Costs (\$M)	48	\$	5.0	\$	5.3	\$	4.8	\$	5.1	\$	4.8	\$	4.6	\$	5.0	\$	5.5	\$	4.6
Estimated Engineering Costs (\$M)	49	\$	0.71	\$	0.28	\$	0.51	\$	0.81	\$	0.47	\$	0.46	\$	0.93	\$	0.52	\$	0.49
Estimated Total Costs (\$M)	50	\$	674.3	\$	615.2	\$	567.8	\$	596.0	\$	559.0	\$	541.9	\$	593.0	\$	643.2	\$	548.0