

# Alternative Matrix

Factors of Concern	ALTERNATIVES										
	No Build	Black	Purple	Brown 1	Brown 2	Orange 1	Orange 2	Green 1	Green 2	Pink 1	Pink 2
ENGINEERING / TRAFFIC											
Length (Miles)	N/A	36	26	34	34	33	33	31	31	31	31
Construction Cost (\$ Billions)	N/A	\$1.67	\$1.29	\$1.46	\$1.45	\$1.55	\$1.56	\$1.36	\$1.36	\$1.26	\$1.28
Right-of-Way Cost (\$ Millions)	N/A	\$337	\$269	\$284	\$359	\$286	\$314	\$239	\$265	\$236	\$313
Wetland Mitigation Cost (\$ Millions)	N/A	\$85	\$54	\$57	\$55	\$55	\$54	\$57	\$56	\$59	\$57
Design and Inspection (\$ Millions)	N/A	\$418	\$327	\$369	\$386	\$389	\$392	\$334	\$349	\$325	\$320
Total Cost (\$ Billions)	N/A	\$2.51	\$1.94	\$2.17	\$2.25	\$2.28	\$2.32	\$1.99	\$2.03	\$1.88	\$1.97
2035 Traffic on New River Crossing (AADT)	N/A	87,400	84,600	86,600	86,600	86,200	86,200	85,800	85,800	85,400	85,400
Number of Local Access Interchanges	N/A	8	6	9	9	9	9	7	7	7	7
Improve Emergency Evacuation	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOCIAL / CULTURAL											
Residential Displacements	N/A	42	41	28	38	28	38	29	39	29	39
Business Displacements	N/A	14	14	2	3	13	14	15	16	4	5
Consistency With Local Plans	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Resources Potentially Eligible for listing on the NRHP (National Register of Historic Places)	N/A	6	6	1	1	5	5	5	5	1	1
Right-of-Way Impacts to Section 4(f) Resources (Acres)	N/A	0	0	34.5	0	23.6	0	23.6	0	34.5	0
Improve Emergency Services Response Time	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Annual Property Tax Revenue Lost from Right-of-Way Conversion (\$ Thousands)	N/A	\$989	\$928	\$815	\$834	\$860	\$883	\$181	\$204	\$137	\$155
NATURAL											
Wetland Impacts (Acres)	N/A	784	477	502	488	484	476	501	493	518	505
Surface Water Impacts (Acres)	N/A	88	85	72	70	67	65	69	67	74	72
Submerged Aquatic Vegetation Impacts (Acres)	N/A	4	4	3	2	3	2	3	2	3	2
PHYSICAL											
Noise Impacts (Number of Impacted Sites)	N/A	35	35	28	27	28	28	35	34	35	33
Total Contaminated Sites	N/A	9	9	8	10	18	18	18	18	8	10

NOTE: All Costs are shown in current year dollars