



US 281 from FM 490 to SH 186/FM 1017 Alternatives Evaluation Matrix

<i>Criteria</i>	<i>Unit of Measurement</i>	No-Build	Alternative A	Alternative B	Alternative C	Alternative D
Engineering						
Meets Purpose and Need	Yes/No	No	Yes	Yes	Yes	Yes
Cost	\$M		\$70.8 M	\$70.8 M	\$70.8 M	\$70.8 M
Constructability	Yes/No		Yes	Yes	Yes	Yes
Corridor Safety & Improved Mobility	Yes/No		Yes	Yes	Yes	Yes
ROW/Easement Requirements	Acres		44.8	53.2	58.1	50.1
Natural Environment Impacts						
100-year Floodplains	Acres		8.24	7.07	7.62	9.93
Stream Crossings	Number		0	0	0	0
Waters of the U.S., including wetlands	Number		0	0	0	0
Threatened and Endangered Species Habitat	Low/Medium/High		Low	Low	Low	Low
Human Environment Impacts						
Parks	Number		0	0	0	0
Schools	Number		0	0	0	0
Churches	Number		0	0	0	0
Cemeteries	Number		0	0	0	0
Commercial Structures	Number		2	0	2	0
Residential Structures	Number		12	2	3	17
"Other" Structures	Number		2	2	1	1
Potential Hazardous Materials Sites	Low/Medium/High		Low	Low	Low	Low
Probability to Encounter Archeological Resources	Low/Medium/High		High	High	High	High
Potential Historic-Age Resources ¹	Number		8	1	5	11
Land Use / Land Cover Within Proposed ROW						
Residential	Acres		7.17	4.15	1.80	14.00
Commercial	Acres		1.28	0.16	2.36	0.09
Row Crops	Acres		6.92	9.39	0.00	13.45
Grassland	Acres		16.88	19.20	32.20	10.44
Shrub/Scrub	Acres		0.10	0.25	0.00	3.23
Brush	Acres		12.43	20.04	21.67	8.68
Transportation	Acres		0.03	0.03	0.02	0.19
<i>Total Land Use / Land Cover Within Proposed ROW</i>	<i>Acres</i>		<i>44.8</i>	<i>53.2</i>	<i>58.1</i>	<i>50.1</i>

¹ properties that have not been evaluated for National Register of Historic Places eligibility