

ALTERNATIVES MATRIX

Constraint	Unit	Alternative 1	Alternative 2	Alternative 3	Scoring		
Limits: SH 107 to Business 83 (8.4 miles)							
General description		Alignment veers west near Curve Rd to allow for larger curves. Alignment avoids an irrigation canal on the east side near I-2. Alignment follows roadway south of I-2 meeting Business 83.	Alignment continues south past Curve Rd, crossing a drainage ditch, owned by HCDD #1, to allow for larger curve radii. Alignment borders an irrigation canal on the east side near I-2. Alignment continues straight south of I-2 tying in at Business 83.	Alignment follows existing roadway at the curve directly south of Curve Rd. Alignment borders an irrigation canal on the east side near I-2. Alignment cuts through various subdivisions south of I-2 to allow for larger curves tying in at Business 83.	Alternative 1 (Preferred)	Alternative 2	Alternative 3
Roadway type		Urban	Urban	Urban	1 = Less desirable	2 = Average	3 = More Desirable
Bridges	Number	1	1	1	3	3	3
Fill in 100-yr floodplain	Low/Medium/High	-	-	-	-	-	-
Estimated construction cost	\$ Million	-	-	-	-	-	-
Potential utility impacts	Low/Medium/High	-	-	-	-	-	-
Total right of way (ROW) acquisition	Acres	59.56	67.64	58.99	2	1	3
• ROW acquisition (residential)	Acres	14.33	20.41	17.14	3	1	2
• ROW acquisition (commercial)	Acres	10.21	14.33	7.8	2	1	3
• ROW acquisition (undeveloped)	Acres	33.08	30.91	32.06	1	3	2
• ROW acquisition (school/cemetery)	Acres	1.94	1.99	1.99	3	2	2
Total number of adjacent parcels	Number	301	305	346	3	2	1
• Number of parcels (residential)	Number	135	148	180	3	2	1
• Number of parcels (commercial)	Number	72	70	70	2	3	3
• Number of parcels (undeveloped)	Number	91	84	93	2	3	1
• Number of parcels (school/cemetery)	Number	3	3	3	3	3	3
Potential displacements (residential)	Number	24	40	61	3	2	1
Potential displacements (commercial)	Number	16	18	16	3	2	3
Potential displacements (other)	Number	0	0	0	3	3	3
Adjacent parks/recreational facilities	Number	0	0	0	3	3	3
Potential hazardous materials impacts	Low/Medium/High	Low	Medium	Low	3	2	3
Potential community facilities impacts	Number	4	4	4	3	3	3
Potential archaeological impacts	Low/Medium/High	Medium / Medium High	Medium / Medium High	Medium / Medium High	3	3	3
Potential historic impacts	Low/Medium/High	Low	Low	Low	3	3	3
National Wetland Inventory wetlands	Acres	0.593	1.77	1.664	3	1	2
Streams	Number; LF						
• Irrigation crossings	Number; LF	18; 900	18; 900	18; 900	3	3	3
• Drainage crossings	Number; LF	17; 850	17; 850	17; 850	3	3	3
Potential threatened & endangered species impacts	Number; Type	0	0	0	3	3	3
Adjacent noise receivers	Number; Type	263	210	293	2	3	1
Natural Diversity Database- potential habitat/occurrences							
• Mexican Mud-Plantain	Acres	14.00	19.43	18.15	3	1	2
• Alligator Gar	Acres	0.03	3.71	0.61	3	1	2
Floodplain	Acres	0.00	0.00	0.00	3	3	3
Soils							
• Prime farmlands	Acres	55.54	62.34	53.62	2	1	3
• Prime farmland if irrigated	Acres	3.53	2.63	2.66	1	3	2
• Not prime farmland	Acres	0.34	2.76	2.76	3	2	2
Overall Score:					80	69	72

More Desirable
 Average
 Less Desirable