

Project Constraints Matrix

	FM 1846 (Oscar Williams Road) From BUS 77 to San Jose Ranch Road				
Criteria	Units	No Build	Alternative 1 West	Alternative 2 East	Alternative 3 Reconstruction
Project Information					
Description	N/A	No improvements made	Widen to 4 lane rural road with the shared use path on the west side of the road	Widen to 4 lane rural road with the shared use path on the east side of the road	4 lane urban road reconstructed with shared use path and curb and gutter
Length	Miles	1.6	1.6	1.6	1.6
Existing ROW Width	Feet	100	100	100	100
Functional Classification	Detail	Major Collector	Major Collector	Major Collector	Major Collector
Addresses Need & Purpose of Project	Yes/No	No	Yes	Yes	Yes
Connectivity					
-Schools	Low/Medium/High	None	High	Low	Low
-Residences	Low/Medium/High	None	High	Low	Low
-Churches	Low/Medium/High	None	High	Low	Low
Use of Newly Built TxDOT Infrastructure	Yes/No	Yes	Yes	Yes	No
Estimated Construction Cost	Million	0	\$ 5-10	\$ 5-10	\$10(+)
Engineering Considerations					
Proposed Roadway Width	Feet	0	62	62	65
Proposed ROW Width	Feet	0	120	120	120
Additional ROW Required	Acres	0	3.23	3.23	3.23
Utilities	Low/Medium/High	None	Low	Low	High
Irrigation/Drainage	Low/Medium/High	None	Low	Low	High
Environmental Considerations					
Potential Displacements					
-Residential	Low/Medium/High	None	None	1	None
-Business	Low/Medium/High	None	None	None	None
Public Facilities Impact	Low/Medium/High	None	Low	Low	Low
Historic Resource Impacts	Low/Medium/High	None	None	None	None
Archeological Resource Impacts	Low/Medium/High	None	Low	Low	Low
Hazardous Materials Impacts	Low/Medium/High	None	Low	Low	Low
Biological Resource Impacts					
-Species	Low/Medium/High	None	Low	Low	Low
-Vegetation	Low/Medium/High	None	Low	Low	Low
-Farmland	Low/Medium/High	None	Low	High	Medium
Wetland Impacts	Low/Medium/High	None	Low	Low	Low
Water Resource Impacts	Low/Medium/High	None	Low	Low	Low
Community Impacts	Low/Medium/High	None	Low	Low	Low
Noise Impacts	Low/Medium/High	None	Low	Low	Low
Air Impacts	Low/Medium/High	None	None	None	None
					Preferred Alternative