



## FM 1776 Mobility Project Alternatives Analysis Evaluation Matrix



Criteria		No Build Alt	Alt A	Alt B	Alt C	Alt D
Item	Unit					
<b>Mobility &amp; Productivity</b>						
- Level of Service at Existing FM1776/FM1450 Intersection	LOS	Pending Traffic Data / Analysis				
- Level of Service for Alternatives by Direction (NB/SB)	LOS	Pending Traffic Data / Analysis				
- Angle of El Paso Rd Intersection (90° desirable)	° (degree)	89°	98°	103°	98°	97°
- Identified Utility Crossings (including active pipelines)	# of	13	14	13	13	14
<b>Safety</b>						
- Heavy Vehicle Speed Change along FM 1776	*legend	o	+	+	+	+
- Acceleration/Deceleration lanes along FM 1450	Y/N	N	Y	Y	Y	Y
<b>Financial</b>						
- Est. Construction Cost (excludes ROW Cost), 2016 dollars	\$M	0	8.5	9.3	9.9	7.5
<b>Environmental Stewardship and Streamlining (Built Environment)</b>						
- Commercial/Industrial Land Use Impacts	acres	35.4	52.5	48.3	52.5	36.5
- Residential Impacts	acres	0	0	1	0	0
- Structure/Building Impacts	# of	0	1	3	1	1
- Preliminary Haz-mat sites within 300 feet	# of	0	1	0	0	0
<b>Environmental Stewardship and Streamlining (Natural Environment)</b>						
- Agricultural Land Use Impacts	acres	4.8	11.3	9.6	18.6	17.0
<b>Efficiency</b>						
- Alignment Length	miles	4.3	3.9	4.3	4.3	4.5
- Construction Difficulty or Disruption	* legend	o	-	-	-	-
- Parcels/Property Owners Impacted	# of	11	10	11	11	10
- Right-of-Way Acreage (Additional)	acres	0	63.8	58.0	73.8	53.5
<b>Level of Public Support</b>	* legend	Pending Public Involvement				
<b>Level of Agency Support</b>	* legend	Pending Public Involvement				
<b>Regional and Local Connectivity</b>	* legend	o	++	++	++	++

NOTE: Data provided in this analysis is independent of other potential projects.

### \*Legend

Major Negative Effect	Some Negative Effect	No Effect, Neutral	Some Positive Effect	Major Positive Effect
--	-	o	+	++