



**US 377 Cresson Mobility Project
Alternatives Analysis Evaluation Matrix**

Criteria		No Build Alternative	Elevated (Bridge) Through-Town Alternative	Relief Route West of Town Alternative
Item	Unit			
Mobility				
- Year 2030 Level of Service at US 377/SH 171 Intersection (EB / WB)	LOS	F	D	D
- Year 2030 Level of Service for Alternatives by Direction (NB / SB)	LOS	E	C	C
- Delay at US 377 due to FW&WR (min / max)	minutes	1 / 53	0	0
- New Street Crossings	# of	0	0	2
- Identified Utility Crossings	# of	5	5	9
Safety				
- Grade Separated Railroad Crossings on US 377	# of	0	1	1
- At-Grade Railroad Crossings on US 377	# of	1	0	0
Cost				
- Estimated Construction Cost, 2015 dollars	\$ M	0	73.0	47.0
- Estimated Right-of-Way Cost, 2015 dollars	\$ M	0	5.6	4.3
- Estimated Total Cost in 2015 dollars	\$ M	0	78.6	51.0
Environmental (Built Environment)				
- Commercial/Industrial Land Use Impacts	acres	0	1.4	0
- Residential Impacts	acres	0	0	0.04
- Displacements (Commercial)	# of	0	6	0
- Consistency with Existing/Planned Development	Y / N	N	Y	Y
- Potential Noise Impacts (Residential)	# of	0	4	0
- Historic Resources	# of	0	0	0
- Haz-mat sites within 300 feet	# of	5	5	1
- Economic Impact to Existing Businesses - Weekday Impact	* legend	o	-	--
- Economic Impact to Existing Businesses - Weekend Impact	* legend	o	-	-
Environmental (Natural Environment)				
- Section 404 Jurisdictional Waters Impacts	# of	0	2	9
- 100-Year Floodplains (total area crossed)	acres	0	0.8	1.8
- Agricultural Land Use Impacts	acres	0	2.7	60.2
- Woodland Impacts	acres	0	0.3	0.5
Efficiency				
- Alignment Length	miles	N/A	1.7	3.0
- Construction Difficulty or Disruption	* legend	o	--	-
- Construction Detours Required	* legend	o	--	++
- Traffic Control During Construction	* legend	o	--	++
- Anticipated Construction Duration	months	0	36	18
- Parcels/Property Owners Impacted	# of	0	37 / 33	17 / 7
- Right-of-Way Acreage (Additional)	acres	0	4.0	115.0
Regional and Local Connectivity				
- Regional and Local Roadway Connectivity	* legend	--	++	++

* legend				
Major Negative Effect	Some Negative Effect	No Effect, Neutral	Some Positive Effect	Major Positive Effect
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