


New Braunfels Outer Loop Study PRELIMINARY
SHORT LIST ALTERNATIVES SCREENING MATRIX

Criteria by Goal	Measure	R = k	No Build*	Section E Short List of Options						
				ROUTE 1	ROUTE 2	ROUTE 3	** ROUTE 4	ROUTE 5	ROUTE 6	Route 7 
				(E5, E14, E7, E12)	(E4, E7, E12)	(E3, E6, E11, E12)	(E3, E6, E15)	(E2, E6, E11, E12)	(E2, E6, E15)	(E2, E6, E15)
Safety Goal										
Provides a Crossing at Guadalupe River	Assessment	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reduces Public Safety Delays (police, fire, EMS)	Assessment	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Accommodates Bicycles and Pedestrians	Assessment	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mobility Goal										
Provides Relief Route for Congested Areas	Assessment	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offers Long-Term Expansion Potential for Future Needs	Assessment	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Minimizes Impacts to Existing Interchanges Along IH 35	Assessment	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Economic Development Goal										
Avoid Impacts to Future Airport Expansion	Avoids Impacts	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Community and Environmental Goal										
Minimize Residential Displacements	Each	#	0	6	3	5	3	5	3	3
Minimize Impacts to Vegetation/Wildlife Habitat	Acres	#	0	606	689	690	606	660	576	576
Minimize Impacts to Hazardous Material Sites	# HazMat Sites	-,+	+	+	+	+	+	+	+	+
Minimize Impacts to Wetlands	Acres	#	0	6	6	6	5	7	6	6
Minimize Impacts to 100-yr Floodplains	Acres	#	0	75	143	115	77	152	114	114
Minimize Impacts to Sensitive Archeological Areas	Acres	#	0	291	423	434	401	525	492	492
Minimize Noise Impacts to Sensitive Receivers	Each	#	0	48	46	49	33	49	33	33
Minimize Impacts to Schools	Potential Impacts	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Avoid Cemeteries and Prehistoric Burial Sites	Impacts	no, yes	Yes	No	No	No	Yes	No	Yes	Yes
Avoid Impacts to Public Parks/Recreational Facilities	Impacts	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Avoid Impacts to Historic Resources	Displacements	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Avoid Impacts to Landfill	Impacts	no, yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Minimize Impacts to Farmlands/Ranchlands	Bisects Large Parcels	#	0	11	12	12	12	14	13	13
Minimize Impacts to Commercial Properties	# Properties	#	0	0	0	0	1	0	1	1
Avoids Impacts to Major Capital Improvement Projects	Avoids Impacts	-,+	0	+	+	+	+	+	+	+
Minimize Impacts to Major Utility Features	Assessment	-,+	0	+	+	+	+	+	+	+
Minimize Impacts to Civic Organizations	Each	-,+	0	+	+	+	+	+	+	+
Minimize Impacts Potential Environmental Justice Areas	Potential Impact	-,+	+	-	-	-	-	-	-	-
Minimize Impacts to Faith-Based Organizations	Potential Impact	-,+	0	+	+	+	+	+	+	+
Minimize Impacts to Prime or Unique Farmlands	Acres	#	0	368	295	241	260	248	267	267
Minimize Impacts to Potential Golden-cheeked Warbler Habitat	Acres	#	0	0	0	0	0	0	0	0
Minimize Impacts to Sensitive Geologic Areas	Acres	#	0	0	0	0	0	0	0	0
Engineering Goal										
Affords Potential River Crossings	Design parameter	no, yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Conforms to AASHTO Design Criteria	Design parameter	no, yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cost Effectiveness Goal***										
* The "No Build" option is not eliminated and is to remain an option throughout this study and any subsequent screening and environmental studies.										
** Study Recommendation Route										
*** Costs will be determined during future planning and environmental studies.										