US 290/SH 71 Preliminary Concept Initial Screening Criteria

CARRY FORWARD TO SECONDARY SCREENING?	organizations (Signal Improvements, control of access, adequate shoulder widths)	Improve safety and emergency response	Increase multimodal travel options for people and goods (transit, bicycle and pedestrian accommodations)	LOS, improve intersection efficiency)	Improve mobility and operational efficiency  Reduces travel times (Signal improvements)	Purpose and Need Performance Criterion  Reduces conflict between the state of the s
	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Parameters (Units)
Yes	Yes	Yes	Yes	Yes	Yes	>
Yes	Yes	Yes	Yes	Yes	Yes	8
Yes	Yes	Yes	Yes	Yes	Yes	C
Yes	Yes	Yes	Yes	Yes	Yes	D
No	No	No	No	N <sub>O</sub>	No	E-1
No	No	N o	No	S <sub>O</sub>	N <sub>O</sub>	E-2
Yes	Yes	Yes	Yes	Yes	Yes	Concept
N <sub>o</sub>	No	No	No	Yes	No	Concept*
No	N 0	No	No	No	No	TDM Concept*
Yes	Yes	Yes	Yes	Yes	Yes	2007 Mediation Alt.
Yes	No	No	No	No	No	No-Build

				Preliminary Project Cost			Potential Displacements		improve safety and emergency response			increase multimodal travel options for people and goods			Improve mobility and operational efficiency								大学 一年の一年 一日 一日 日本
	CARRY FORWARD TO ALTERNATIVE DEVELOPMENT?	Minimuze Utility Relocation Cost	Minimize ROW Cost		Minimize Construction Cost	Minimze Commercial Displacements	Minimize Residential Displacements	Provides opportunity for multimodal travel options  Corrects geometric deficiencies within project limits  Upgrades facility to current design standards  Serves as a reliable route for emergency response organizations					Improves SH 71 operational efficiency - reduce travel time during neak hour for 2035 traffic			Improves US 290 operational efficiency - reduce travel time during peak hour for 2035 traffic							
	VELOPMENT?	Anticipated Utility Relocation effort	Preliminary ROW Estimated Cost	ROW Area	Preliminary Construction Cost Estimate	Number of Commercial Displacements	Number of Residential Displacements	Adequate ramps and detour route for emergency vehicles or alternate route due to accidents	Proposed design meets FHWA standards for National Highway System (23 CRF 625.4) and TxDOT's Roadway Design Manual and Bridge Design Manual, including associated references.	Adds shoulders, separates through traffic from local traffic making frequent turns onto collectors, and corrects sharp horizontal curves.	Provides opportunity for local bus service to utilize the corridor.	Provides opportunity for high capacity transit to utilize the corridor.	Adds sidewaik, bike/pedestrian elements as part of the project.	FASTBOUND FRONTAGE ROAD: Travel time along EB SH 71 and US 290 from Silvermine Dr to Old Fredericksburg Rd, AM Peak	from Silvermine Dr to Old Fredericksburg Rd, AM Peak	WESTBOUND FRONTAGE ROADS: Travei time along WB US 290 and SH 71 from Oid Fredericksburg Rd to Silvermine Dr, PM Peak	WESTBOUND MAINLANES: Travel time along WB US 290 and SH 71 from Old Fredericksburg Rd to Slivermine Dr, PM Peak	from Circle Dr to Old Fredericksburg Rd, AM Peak	FAST BOUND MAIN LANES: Travel time along EB US 290 main lanes from Circle Dr to Old Fredericksburg Rd, AM Peak	WESTBOUND FRONTAGE ROADS: Travel time along from Old Fredericksburg Rd to Circle Dr, PM Peak	WESTBOUND MAIN LANES: Travei time along WB US 290 main lanes from Old Fredericksburg Rd to Circle Dr, PM Peak	Evaluation Parameters	
		High/Med/Low	\$ Million	Acres	\$ Million	Each	Each	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Evaluation Parameters (Units)	The second second
* Concept F d	YES	Med	34.8	27.8	269	0	0	Yes	Yes	Yes	Yes	Yes	Yes	10.0	4.0	9.4	5.3	12.6	11.5	13.2	6.7	Concept	
oes not have	NO	High	31.1	24.3	257	0	0	Yes	Yes	Yes	Yes	Yes	Yes	8.8	7.4	6.8	4.6	11.3	10.9	10.6	5.6	Concept	
Concept F does not have continuous frontage roads	YES	High	34.6	27.6	280	0	0	Yes	Yes	Yes	Yes	Yes	Yes	7.6	4.1	6.8	3.9	11.4	11.9	10.3	5.2	Concept	Name and Address of the Owner, where
ontage roads	NO	High	37.3	30.5	250	0	0	Yes	Yes	Yes	Yes	Yes	Yes	11.1	9.7	9.5	9.9	13.8	10.7	18.7	8.2	Concept	
	NO	High	51.1	39.2	204	7	0	No	Yes	Yes	Yes	Yes	Yes	n/a*	4.8	n/a*	5.8	n/a*	19.0	n/a*	6.3	Concept	200000000000000000000000000000000000000
	NO	Med	31.6	25	266	0	0	Yes	Yes	Yes	Yes	Yes	Yes	 	4.2	7.2	3.7	18.5	13.3	12.7	19.6	2007 Mediation I	
	YES	N/A	N/A	N/A	N/A	0	0	No	No	No	No	No	No	33.4	32.2	25.4	25.3	35.00	34.6	29.1	29.0	No-Build	

Concept with highest score

Concept with lowest score

The No-Build Alternative must be carried forward in the Evaluation