



I-95 at Pioneer Trail Interchange PD&E Study

from Williamson Boulevard to Turnbull Bay Road

FPID: 436292-1 ETDM No.: 14193

Alternatives Evaluation Matrix

Evaluation Factors	Alternative						Recommended Alternative	
	No Build		Diamond		Partial Cloverleaf 1		Partial Cloverleaf 2	
PLANNING CONSISTENCY								
Consistency with Long Range Transportation Plan	NO		YES		YES		YES	
SOCIAL ENVIRONMENT								
# of Parcels Impacted	N/A		16		16		16	
# of Potential Relocations	N/A		1		1		1	
Total Right of Way required (acres)	N/A		81.5		85.1		79.5	
PHYSICAL ENVIRONMENT								
Potentially Contaminated Sites	N/A		4 – LOW, 1- MEDIUM		4 – LOW, 1- MEDIUM		3 – LOW, 1- MEDIUM	
NATURAL ENVIRONMENT								
Wetland Impacts (acres)	N/A		46.0		47.3		47.0	
Cultural Impacts	N/A		0		0		0	
Floodplain Impacts (acre-feet)	N/A		7.6		7.7		7.7	
Wildlife Impacts	N/A		0		0		0	
ENGINEERING ANALYSIS								
Traffic Operations - Delay*	AM	PM	AM	PM	AM	PM	AM	PM
S.R. 421 – Dunlawton Avenue (sec/veh)	78.9	57.6	23.3	21.9	23.3	21.9	23.3	21.9
Pioneer Trail (sec/veh)	N/A	N/A	28.9	21.0	26.3	25.2	22.2	15.6
S.R. 44 (sec/veh)	97.8	26.1	24.4	19.2	24.4	19.2	24.4	19.2
Bike/Pedestrian/ADA	NO IMPROVEMENTS		BIKE LANES & SIDEWALKS		BIKE LANES & SIDEWALKS		BIKE LANES & SIDEWALKS	
Emergency Evacuation	NO IMPROVEMENTS		BETTER – ADDITIONAL ACCESS		BETTER – ADDITIONAL ACCESS		BETTER – ADDITIONAL ACCESS	
Estimated Roadway Construction Cost (includes MOT, Mobilization and Contingencies)	\$0		\$39,950,000		\$41,320,000		\$36,800,000	

*Amount of delay experienced by drivers while traveling through an intersection.