



SOUTH AREA ALTERNATIVES RATINGS MATRIX

RECOMMENDED

Project Goals	Considerations	Alternative 1	Alternative 2	Alternative 3
Safety	Reduce/remove skew from the intersection	Skew angle = 71°	Skew angle = 85°	Skew angle = 82°
	Eliminate queueing spillback from left-turn lanes onto mainline TH 55	Meets project goal	Meets project goal	Meets project goal
	Add deceleration length for turn lanes on TH 55	Meets project goal	Meets project goal	Meets project goal
	Improve substandard horizontal and vertical roadway alignments (south only)	Requires maximum superelevation and minimum longitudinal superelevation slopes	Meets project goal (with reverse curves)	Meets project goal
Operations	Provide space to appropriately accommodate all modes of transportation	Meets project typical section	Meets project typical section	Meets project typical section
	Provides full access/connectivity for local connections	Meets project goal	Meets project goal	Meets project goal
	Level of service achieved at intersections and along the corridor	Meets project goal	Meets project goal	Meets project goal
Project Cost	Total project cost includes: <ul style="list-style-type: none"> Construction cost Right-of-way (ROW) cost Utility relocation costs Stormwater treatment costs (see below) Minimize total acquisitions	Construction Cost \$8.28 million Right-of-Way <ul style="list-style-type: none"> Approximately 14 acres of new ROW 4 total acquisitions Impacts to 14 parcels Impact to 2 additional parcels (1 total acquisition) for future interchange 	Construction Cost \$7.77 million Right-of-Way <ul style="list-style-type: none"> Approximately 11 acres of new ROW 4 total acquisitions (reduction to 2 possible) Impacts to 12 parcels 	Construction Cost \$7.81 million Right-of-Way <ul style="list-style-type: none"> Approximately 11 acres of new ROW 4 total acquisitions (reduction to 2 possible) Impacts to 13 parcels
		Utility Impacts <i>Magellan Gas Line</i> Relocate approximately 2,000 feet of gas line <i>Xcel Transmission</i> None	Utility Impacts <i>Magellan Gas Line</i> Relocate approximately 350 feet of gas line <i>Xcel Transmission</i> Construction impacts into easement	Utility Impacts <i>Magellan Gas Line</i> Relocate approximately 350 feet of gas line <i>Xcel Transmission</i> Construction impacts into easement
Stormwater Treatment	Stormwater treatment capacity meets northwest area (NWA) requirements	9 ac-ft of new storage needed	15 ac-ft of new storage needed	24 ac-ft of new storage needed
		Some impacts to three stormwater features	Major impacts to three stormwater/wetland features	Major impacts to three stormwater/wetland features