

Argenta Trail Improvement Project



77TH STREET ALTERNATIVES RATING MATRIX

Project Goals	Considerations	Alternative A	Alternative B	Alternative C
Operations/ Safety	Provides a connection from the neighborhood to Argenta Trail	Maintains existing neighborhood connection routing to Argenta Trail	Alters existing neighborhood connection routing to Argenta Trail	Alters existing neighborhood connection routing to Argenta Trail
	Access to future development	No access changes/restrictions	No access changes/restrictions	Impacts access to future development on Yankee Doodle Road
	Horizontal and vertical roadway alignments meet 30 MPH design speed	Some horizontal curves require 20 MPH design speed (matches existing neighborhood)	Meets project goal	Some horizontal curves require 20 MPH design speed (matches existing neighborhood)
	Intersection sight distance met at Yankee Doodle Road connection	Meets project safety goals	Meets project safety goals	Meets project safety goals
	Yankee Doodle Road intersection operations*	Further evaluation in progress	Further evaluation in progress	Further evaluation in progress
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 \$410,000 Right-of-Way <ul style="list-style-type: none"> Approximately 1.5 acres of new ROW 0 total acquisitions Impacts 3 parcels \$250,000	Construction Cost \$550,000 Right-of-Way <ul style="list-style-type: none"> Approximately 1.5 acres of new ROW 0 total acquisitions Impacts 6 parcels \$250,000	Construction Cost \$450,000 Right-of-Way <ul style="list-style-type: none"> Approximately 1.2 acre of new ROW 0 total acquisitions Impacts 4 parcels \$200,000
	Utility impacts/relocation cost	Magellan Gas Line** Increased cover over approximately 125 feet of gas line	No significant impact	No significant impact
Stormwater Treatment	Stormwater treatment capacity meets northwest area (NWA) requirements	0.5 ac-ft storage needed Minor impacts to existing stormwater features/ponds	1.9 ac-ft storage needed Major impact to existing stormwater features/ponds	0.5 ac-ft storage needed Minor impacts to existing stormwater features/ponds

*Traffic counts will be completed in January to finalize evaluation of 77th Street access locations

**Magellan to provide estimated costs in January