

Screening Matrix

Category	Criteria	Performance Measure	Alternative			
			No Build		Ultimate 6-Lane Alternative	
Total Project Cost	Construction cost	Planning level construction cost estimate	●	\$0	○	\$71.8M (includes utilities and design)
	Right-of-way cost	Planning level right-of-way cost estimate	●	\$0	○	\$15.5M
	Long-term maintenance cost	Long-term maintenance cost	●	Minimal maintenance costs for existing pavement north of Happy Valley Road.	○	Long-term maintenance cost include additional pavement and two structures (\$342k/year).
Structures	Crossing over McMicken Wash	Is a crossing provided	○	Does not provide a crossing over the wash.	●	Provides a crossing over the wash.
	Crossing over Beardsley Canal	Is a crossing provided	○	Does not provide a crossing over the canal.	●	Provides a crossing over the canal.
Drainage and Floodplain Impacts	Impacts to existing floodplains	Permitting processing time and potential ROW costs	●	No impacts to existing floodplains	○	Moderate impact to floodplain limits
	Impacts to existing watershed	Need for culverts and pipes	●	No impacts to existing watersheds	○	Concentrates flows for culvert crossings
Traffic Operational Performance	Intersection operations	Level of Service in 2050	○	Study area intersections remain unsignalized. Intersections exterior to the study area including Vistancia Boulevard and Happy Valley Road, Vistancia Boulevard and El Mirage Road, and Grand Avenue and 163rd Avenue further deteriorate.	●	El Mirage Road and Vistancia Boulevard: AM – 11 of 12 movements are D or better PM – 12 of 12 movements are D or better El Mirage Road and Jomax Road: AM – 12 of 12 movements are D or better PM – 11 of 12 movements are D or better El Mirage Road and Happy Valley Road AM – 5 of 12 movements are D or better PM – 8 of 12 movements are D or better Provides additional routes of travel for the local area for convenience and as alternates if restricted for maintenance or accidents.
Multimodal Opportunities	Pedestrian accommodations	Locations of sidewalk/crossings	○	No additional sidewalk. No protected crossing at Happy Valley Road.	●	Continuous sidewalk with protected crossing at Happy Valley Road.
		Impact to Maricopa Trail	●	No impacts to trail.	○	Increases connectivity to trail and will provide County approved realignment/crossing
	Bicycle accommodations	Locations of bike lanes	○	No additional bike lanes.	●	Bike lanes in both directions
Right-of-Way Impacts	Area of impact	Area required outside of existing right-of-way	●	No ROW impacts.	○	29 acres
	Improves developability of vacant land	Provides access (or additional access) to vacant parcels	○	No increased access	●	Increased access to ASLD and privately owned vacant land
Environmental Considerations	Potential Impact to environmental resources	Potential Impact to environmental resources	○	No impact to environmental resources within study area. Additional noise and air quality impacts due to heavy congestion outside of study area because of lack of regional connection.	○	Moderate impacts to environmental resources within the study area.
Acceptance	Local agency acceptance	Ability to gain local agency support	○	Existing condition results in poor operational performance and long travel times on regional roadways.	●	Provides additional regional connection to SR 303L and improves traffic operations throughout northern Peoria and Surprise.
	Public acceptance	Ability to gain public support	○	Public wants improvements and relief from existing traffic issues.	●	Public is generally supportive of the proposed improvements.

Scale: Advantage ● Neutral ○ Disadvantage ○