

Green Valley Indian Creek and Mounds Springs Bridges - Alternatives Summary

Item	Description	Alternate A	Alternate B	Alternate C	
		2-Lane (Hourglass)	Stagecoach Turn-Pocket (with Tapers)	3-Lane	
Overview	Estimated Additional Local Funds	\$0	\$300,000	\$950,000	
	Approx. % of Total Project Cost ₁	0%	4%	10%	
	Estimated Additional Local Funds if Performed at Future Date ₂	\$1,500,000	\$1,000,000	\$0	
	10-yr Rd Maintenance Costs ₃	\$120,000	\$85,000	\$5,000	
	Total Local Funds for Corridor Improvements ₄	\$1,620,000	\$1,385,000	\$955,000	
	Summary	Replaces Bridges, 2-lane roadway with tapers	Replaces Bridges, 2-lane roadway with tapers, constructs left turn pocket at Stagecoach Rd	Replaces Bridges, 3-lane (turn pockets) roadway through corridor	
Disadvantages	1. Does not improve safety for turning vehicles (or line of sight), 2. Does not change roadway geometrics, 3. Does not improve roadway conditions (outside bridges), 4. Does not reduce future maintenance, 5. Does not provide growth solutions (including bike lanes, capacity, etc.), 6. Largest future impacts	1. Only improves safety for Stagecoach Road vehicles, 2. Does not roadway geometrics or conditions beyond Stagecoach, 3. Does not reduce future maintenance outside Stagecoach, 4. Does not provide potential growth solutions (including bike lanes, capacity, etc.), 5. Considerable future impacts	1. Cost of initial investment		
Project Improvements	Safety	Improves Line of Sight	No change	Partial (Only at Stagecoach Rd)	Yes
		Provides Refuge for Turning Vehicles	No change	Partial (Only at Stagecoach Rd)	Yes
	Growth	Provides for Potential Future Bike Lanes	No change (except at bridges)	Partial (only at Stagecoach Rd and Bridges)	Yes
		Provides Basis for Potential Capacity Increases	No change (except at bridges)	Partial (only at Stagecoach Rd and Bridges)	Yes
	Maintenance	Reduces Future Maintenance	No change (except in bridge limits)	No change (except at Stagecoach Rd and Bridges)	Yes

Notes:

- "Estimated Additional Local Funds" represents the estimated costs to construct the additional roadway improvements as outlined in Alternatives A, B, and C, and constructed as part of the Green Valley at Indian Creek (CIP# 77127) and Green Valley at Mounds Springs (CIP# 77136) Bridge Replacement Projects
- "Estimated Additional Local Funds if Performed at Future Date" represents the estimated costs to construct the additional improvements to Alternatives A, and B to complete the "3-Lane" Corridor (as shown in Alternative C) at a future date and as a separate project
- "10-yr Rd Maintenance Costs" represents the approximate costs of maintenance for the approximately 1/2 mile of Green Valley Road along the corridor. These costs are projected annual costs over a 10-year period for the 1/2 mile of roadway to include annual maintenance and repair costs and overlays, chip seals, or grinding (digout costs) as based upon historical costs, current PCI, and historical deterioration rates over time.
- "Total Local Funds for Corridor Improvements" indicate the total costs of the 1/2 mile Green Valley Road Corridor to complete the "3-Lane Configuration" and maintain the roadway over a 10-year period. These costs are determined as the sum of the "Estimated Additional Local Funds," "Estimated Additional Local Funds if Performed at Future Date," and the "10-yr Rd Maintenance Costs"