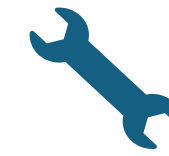
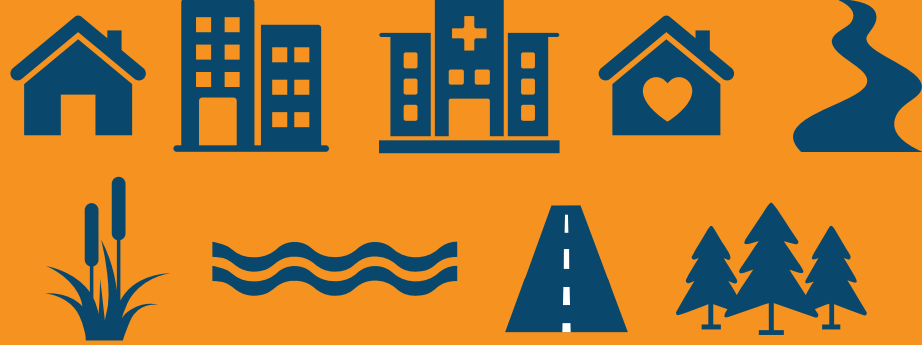


Alternatives Screening Results Summary

SMRT Transit Alternatives	Cost (\$Millions-2025)		2045 Corridor Travel Time ¹ (Minutes)		2045 Transit Ridership (Passengers per Day)	Implementation Timeline ³	Impact Summary
	 Capital	 Operating & Maintenance (Annual) ²	 Transit	 Peak Hour Drive Time	 Daily Ridership ⁴	 Construction Period (Years) ³	 Environmental, Community, & Cultural ⁵
Alternative 1–Arterial Rapid Transit	\$5 - \$10	\$32 - \$38	60-85 min	50 - 60 min	2,500 - 3,500	1 - 2	No environmental, community, or cultural impacts expected
Alternative 2–Bus Rapid Transit (BRT) in Roadway	\$2,000 - \$3,000	\$30 - \$36	45 - 55 min		3,000 - 5,500	2 - 6	
Alternative 3–BRT in Separated Guideway	\$4,000 - \$5,000	\$30 - \$37	30 - 40 min		8,500 - 12,500	5 - 8	
Alternative 4–Light Rail Transit (LRT) in Separated Guideway	\$5,500 - \$6,500	\$33 - \$40	30 - 35 min		14,500 - 19,500	7 - 9	
Alternative 5–Hybrid Rail (YR) in Separated Guideway	\$5,000 - \$6,000	\$32 - \$40	30 - 35 min		14,500 - 19,500	7 - 9	

¹Corridor travel time estimates between Branch Ave Metro (Auth Way) and Waldorf (Demarr Road) in the peak hour and direction (Northbound AM and Southbound PM)

²Operating and maintenance costs include both the mainline alternative annual costs as well as changes to locally operated transit services

³Construction is contingent upon completion of the design phase, securing project construction funding, and acquiring needed right-of-way

⁴Total transit person trips traveling along the SMRT Study Corridor. For reference, the current transit ridership along the corridor is ~1,000 passengers per day as of July-September 2025

⁵Symbols are provided for resource impacts having the highest magnitude relative to the other alternatives

Least Highest