

Initial Screening of Improvement Options

Operations & Safety
 Community, Business & Environment
 Feasibility & Cost
 Recommendation

Arapahoe Road Options				
• No-Build				FURTHER EVALUATION
• Add auxiliary lanes and other TSM strategies				FURTHER EVALUATION
• Widen Arapahoe Road from 6 to 8 lanes				FURTHER EVALUATION
• Add break-down area/shoulders				FURTHER EVALUATION
• Construct frontage roads				FURTHER EVALUATION
• Construct operational facilities for reversible lane	Directional flow only exists at east end of corridor; mid to west end balance flow			ELIMINATE
• Construct separated through lanes/Boulevard				FURTHER EVALUATION
• Reconstruct as Expressway	Option would focus only on improving through traffic operations	Impacts local business access	High cost	ELIMINATE
• Double deck/depression		Inconsistent with arterial character of the corridor	Extremely high cost	ELIMINATE
• Implement ITS Strategies				FURTHER EVALUATION
• Bus/HOV lanes				FURTHER EVALUATION
I-25 Interchange Options				
• Partial cloverleaf (built to standards)				FURTHER EVALUATION
• Partial cloverleaf (reduced standards)				FURTHER EVALUATION
• Single point urban with Yosemite/Costilla overpass				FURTHER EVALUATION
• Directional ramps				FURTHER EVALUATION
• Three level diamond				FURTHER EVALUATION
Intersection Options (Dayton, Havana, Peoria, Jordan, Potomac)				
• Auxiliary lanes				FURTHER EVALUATION
• Jug handle				FURTHER EVALUATION
• Split intersection	Split in road must be sufficient to accommodate vehicle queues between intersections	Extensive right of way required	High cost	ELIMINATE
• Continuous flow				FURTHER EVALUATION
• Quadrant road				FURTHER EVALUATION
• Junior interchange				FURTHER EVALUATION
• Compressed diamond/urban interchange				FURTHER EVALUATION
• Super Street median crossover				FURTHER EVALUATION
• Fly over/under				FURTHER EVALUATION
• Bowtie				FURTHER EVALUATION
• Center turn overpass				FURTHER EVALUATION
• Echelon interchange	Requires wide divided highway and intersecting street	Extensive right of way required	High cost	FURTHER EVALUATION
Parallel/Intersecting Roads				
• Widen Broncos Parkway/Easter Avenue/Havana/Dry Creek from 4 to 6 lanes				FURTHER EVALUATION
• Enhance Peakview/Caley and Briarwood as parallel routes				FURTHER EVALUATION
• Caley overpass of I-25	Minimal reduction in traffic at I-25/Arapahoe interchange		High cost for minimal benefit	ELIMINATE
• Extension of County Line Road from I-25 to Parker Road		Impacts to residents between Jordan & Parker Roads and to the 17 Mile House	High cost of tunnel under runways	ELIMINATE
• County Line/Cottonwood/Peoria to Jordan Road				FURTHER EVALUATION
• Orchard Avenue extension from Peoria to Parker Road	Would not significantly reduce Arapahoe Road volume	Impact to Cherry Creek State Park and neighborhoods, previously rejected by local agencies	Lengthy approval process and high cost	ELIMINATE
Transit/Alternative Mode Options				
• Improve existing transit stop facilities and amenities				FURTHER EVALUATION
• Enhanced existing Local Route 66 transit service with additional Limited stop route overlay				FURTHER EVALUATION
• Frequent fixed route shuttle				FURTHER EVALUATION
• Bus Rapid Transit (BRT)				FURTHER EVALUATION
• Light Rail Transit (LRT)	<ul style="list-style-type: none"> ▪ Safety issues of at-grade crossings of intersecting streets and driveways ▪ Required transfer to SE Corridor LRT 	Business and community impacts if grade-separated	High cost	ELIMINATE
• Street car/trolley	Slow moving trolley is inconsistent with high speed arterial traffic			ELIMINATE
• Sidewalk improvements along Arapahoe Road				FURTHER EVALUATION
• Improved crossings of Arapahoe Road for ped/bike				FURTHER EVALUATION
• Bike route signing/stripping on parallel and intersecting streets				FURTHER EVALUATION
• Rebuild/raise Arapahoe Road bridge over Cherry Creek				FURTHER EVALUATION
• Travel Demand Management Strategies				FURTHER EVALUATION