

What Were the Evaluation Matrix Findings?

Draft Concept Alternative Summary Evaluation Matrix – Level IV Criteria

Criteria	Measurable Criteria	New Alignment Options		Ranking - Rational
		Alternative 2C - East	Alternative 3D - West	
Cost	Total Cost	\$9,180,150	\$8,643,890	3D West is approximately \$535,000 less in cost
Upgrade Regional Mobility and Improve Local Circulation ¹	CSAH 9 Turnback Travel Time from 490th to CSAH 9 North/County Line 6 min. 32 sec. @ 35 mph	4 min. 18 sec. (2 min. 14 sec. faster than turnback CSAH 9/5)	4 min. 44 sec. (1 min. 48 sec. faster than turnback CSAH 9/5)	Approximately the Same
	CSAH 9 Turnback Travel Time from 490th to Heimark Ave. 8 min. 50 sec. @ 35 mph	6 min. 21 sec. (2 min. 29 sec. faster than turnback CSAH 9/20)	6 min. 48 sec. (2 min. 56 sec. faster than turnback CSAH 9/20)	Approximately the Same
	Future Daily Traffic Diverted to New Alignment (Weekend)	485 vehicles	475 vehicles	Approximately the Same
	Overall Daily Traffic Diverted to New Alignment (Weekend)	23%	22%	Approximately the Same
Minimize or Mitigate Wetland Impacts	Number of Wetland Acres Impacted	15.5 Acres	10.6 Acres	3D West has less wetland impacts
Minimize Property and Structure Impacts	Avoid Disrupting Privately Owned Structures ²	8 Buildings on 6 Properties (including Golf Course)	2 Buildings on 2 Properties	3D West has fewer property impacts
	ROW Acquired	79.1 acres	87.3 acres	2C East has slightly less ROW impact
	Structures Acquired	2	2	Approximately the Same
Ensure Compatibility with Existing Transportation Network	Compatible with Phase 1 Improvements	Yes	Yes	Approximately the Same
	Fits into Existing Transportation Network	Yes	Yes	Approximately the Same

1. Diversion scenarios assume that once a bypass alignment is constructed, jurisdiction of the existing CSAH 9/20 roadway will be transferred from the county to the township (turnback) and speed limits will be lowered to 35 mph.
2. Disrupted structures are defined as within 330 ft. (1/16 mi.) of proposed new alignment

Conclusion:

Based on evaluation, the SRC unanimously recommended Alternative 3D-West as the preferred long range alignment, if needed.