

Evaluation Criteria Matrix – South Century Drive/Spring River Road Intersection Alternatives

The following criteria are based on engineering judgment and represent the professional opinions of the Design Team.

Evaluation Criteria		Performance Measures		Alternative 1: Centered on Intersection	Alternative 2: North-Shifted
Estimated Construction Cost		\$2.9M		\$3.2M	
Safety	Crash Reduction Factors	Minor street stop control to Roundabout = 82% reduction		Minor street stop control to Roundabout = 82% reduction	
	Conflict Points	Merging – 3. Diverging – 3, Crossing – 0 Total reduction from existing condition = -3 (33% reduction)		Merging – 3. Diverging – 3, Crossing – 0 Total reduction from existing condition = -3 (33% reduction)	
Mobility	Pedestrian/Bicycle Accommodations	Multiuse path circulation provided at roundabout		Multiuse path circulation provided at roundabout	
	Traffic Performance/Operations	Operates acceptably in Year 2045		Operates acceptably in Year 2045	
	Freight	Designed to accommodate freight movements		Designed to accommodate freight movements	
Impacts	Impacts During Construction	➤ All intersection movements maintained during construction. ➤ Extensive temporary roadway construction required.		➤ All intersection movements maintained during construction. ➤ Moderate temporary roadway construction required.	
	Estimated Right-of-Way (ROW) Acquisition	Approximately 1 Acre Retains buffer between intersection and residences		Greater than 1.5 Acres Close proximity to residences	

Green = Preferred, Yellow = Neutral, Red = Not Preferred