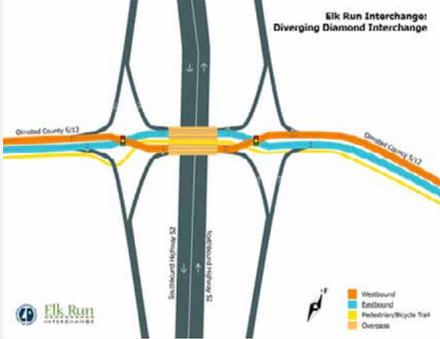


Preliminary Concept Screening

Concept	Example	Pros	Cons
<p>Standard Diamond with Roundabouts</p>	 <p><i>I-35/Hwy 12 Interchange, Owatonna</i></p>	<ul style="list-style-type: none"> • Roundabouts safer than conventional intersections 	<ul style="list-style-type: none"> • Ramp intersections have poor traffic operations • More potential for right of way impacts • Less room for queuing vehicles between the roundabouts • 4-lane roundabouts would be needed for acceptable traffic operations
<p>Diverging Diamond</p>	 <p><i>Currently under construction over Hwy 52 in Olmsted County</i></p>	<ul style="list-style-type: none"> • Potential to reuse the existing bridge 	<ul style="list-style-type: none"> • TH 212 West Ramp intersection is over capacity • Close intersection spacing with adjacent intersections causes poor traffic operations • Wider bridge would improve operations but the heavy volumes and close intersection spacing with adjacent intersections would still be problematic
<p>Preferred Alternative- Standard Diamond with Traffic Signals</p> <p><i>Estimated Project Cost: \$32 million</i></p>	 <p><i>CR 6 and I-494 Interchange, Plymouth</i></p>	<ul style="list-style-type: none"> • Better traffic operations • More queuing area for vehicles turning onto the freeway on-ramps from Shady Oak Road • Standard signal control • Standard pedestrian crossing • Low constructability issues • Common interchange configuration • Best Benefit/Cost 	<ul style="list-style-type: none"> • Shifting of Flying Cloud Drive east is needed to increase intersection spacing • Close intersection spacing with adjacent intersections can impact traffic operations • Traffic operations are sensitive to signal timing
<p>Single Point</p> <p><i>Estimated Project Cost: \$41.7 million</i></p>	 <p><i>Penn Ave and I-494 Interchange, Bloomington</i></p>	<ul style="list-style-type: none"> • Better traffic operations • Better intersection spacing and removes a signal • Low constructability issues 	<ul style="list-style-type: none"> • Shifting of Flying Cloud Drive east is needed to increase intersection spacing • Does not provide as much left-turn storage room compared to the standard diamond onto the freeway on-ramps from Shady Oak Road • Less common interchange configuration • Additional benefit did not offset additional cost
<p>Offset Single Point</p> <p><i>Estimated Project Cost: \$45 million</i></p>	 <p><i>Rice St and Hwy 36 Interchange, Maplewood</i></p>	<ul style="list-style-type: none"> • Better traffic operations • Better intersection spacing and removes a signal • Standard pedestrian crossings 	<ul style="list-style-type: none"> • Close intersection spacing between City West Pkwy and the west ramp intersection impacts operations • Does not provide as much left-turn storage compared to the other alternatives onto the northbound freeway on-ramp from Shady Oak Road • Potential conflict with future light rail alignment • Requires two additional bridges • Less common interchange configuration

South Segment - Phase II Construction Options

A variety of construction techniques will need to be considered in the engineering process to balance access to properties, project costs, and the construction schedule. Such techniques may include:

- Contractor Incentives
- Ramp or Bridge Closures
- Off-site Bridge Construction
- Other Innovative Construction Methods



Project Schedule Phase II - South Segment

PROJECT TIMELINE	2012	2013	2014	2015	2016
PROJECT SCHEDULE					
Preliminary Design	[Bar]				
Environmental Permitting		[Bar]			
Final Design		[Bar]			
Right of Way Acquisition		[Bar]			
POTENTIAL CONSTRUCTION SCHEDULE					
Construction				[Text Box: Construction Schedule to be Determined Based on Construction Techniques]	

South Segment - Phase II Funding Sources

Total Project Cost Estimate: \$32 million

Funding sources anticipated to include:

- MnDOT/DEED Funding Grant Transportation Economic Development Grant awarded - \$7 million
- City of Eden Prairie
- Hennepin County
- United Health Group
- TIF and/or Transit Oriented Development funding

