






Alternative Description	Traffic Operations / BDE Geometrics		Major Utilities Impacts (Electrical Substations, Transmission Lines, Major Pipelines, etc.)	Social and Economic		Wetlands		Water Resources		Natural Resources		Section 4F Properties	Agricultural	Cost
	Geometrics BDE Design Exceptions	Traffic Operations / LOS		Potential Residential Displacements	Potential Business Displacements	Fen	High Floristic Quality Wetlands FQI > 20	Flood Plains	Rivers, Creeks, and Tributaries Crossings (In-Stream Work)	Threatened & Endangered Species	Prairie/Savannah Restoration Area	Forest Preserves, Park, Park District	Farmlands	
 EW-1 Improve McDonough Street		Allows for better east-west roadway continuity. McDonough Street becomes the through route with minimal delays.	No Major Utilities Impacted	0	0	No Fen Impacts	Potential Minor Impacts	Existing Crossings	YES (Existing Roadway)	NO	NO	YES Realigned Roadway Enters Colvin Grove Forest Preserve; Joliet Municipal Airport	NO	\$\$
 EW-1A Improve McDonough Street (Avoid Forest Preserve)		Allows for better east-west roadway continuity. McDonough Street becomes the through route with minimal delays.	No Major Utilities Impacted	1	0	No Fen Impacts	Potential Minor Impacts	Existing Crossings	YES (Existing Roadway)	NO	NO	YES Colvin Grove Forest Preserve; Joliet Municipal Airport	NO	\$\$
 EW-1B Improve McDonough Street and Rock Run Drive (Roundabout Intersection)		Does not provide a freeflow east-west route. Requires vehicles to slow at roundabout and incur delay compared to free-flow options.	No Major Utilities Impacted	0	0	No Fen Impacts	Potential Minor Impacts	Existing Crossings	YES (Existing Roadway)	NO	NO	YES Colvin Grove Forest Preserve; Joliet Municipal Airport	NO	\$
 EW-2 County Farm Road Extension (N)	New Traffic Signal on Houbolt Road; Does not meet signal spacing requirements from existing Longford Drive Signal.	Requires left and right turning movements on Houbolt Road between McDonough Street and County Farm Road Extension.	3 Major E-W Pipelines in conflict	0	0	Fen Impacted	Impact at Multiple Locations	2 New Crossings	YES (New Roadway)	YES	POTENTIAL IMPACT	YES Colvin Grove Forest Preserve	YES	\$\$\$
 EW-3 County Farm Road Extension (S)		Requires left and right turning movements on Houbolt Road between McDonough Street and County Farm Road Extension.	Kinder Morgan Above Ground and Below Ground Facilities Likely Impacted	3	0	Fen Impacted	Impact at Multiple Locations	2 New Crossings	YES (New Roadway)	YES	YES	YES Joliet Junior College	YES	\$\$\$
 EW-4 JJC Ring Road Extension	Poor LOS at JJC and Houbolt Road	JJC Ring Road, Poor Connectivity/Convuluted Routing. LOS problematic at Houbolt Road with heavy college traffic.	Kinder Morgan Above Ground and Below Ground Facilities Likely Impacted	3	0	No Fen Impacts	Impact at Rock Run Creek	1 Existing Crossing; 1 New Crossing	YES (New Roadway)	POTENTIALLY IMPACTED; May Impact Habitat Area	YES	YES Joliet Junior College	NO	\$
 EW-5 Olympic Blvd Extension North		Scenario with Interchange Only (No Northern E-W improvement) and No Mound Road Bridge results in E Frontage Rd Experiencing Traffic Increase & Poor LOS at US 52	ComEd Power Lines Parallel E-W Conflict	0	0	No Fen Impacts	Impact at Rock Run Creek Bridge; Shortest Crossing (Existing Easement)	1 New Crossing	YES (New Roadway)	NO	POTENTIAL IMPACT	YES Lower Rock Run Preserve through Rock Run Conservation Easement; Joliet Junior College	YES	\$\$\$
 EW-6 Olympic Blvd Extension		Scenario with Interchange Only (No Northern E-W improvement) and No Mound Road Bridge results in E Frontage Rd Experiencing Traffic Increase & Poor LOS at US 52	No Major Utilities Impacted	0	0	No Fen Impacts	Wetland impacted at Rock Run Creek (Shorter Crossing)	1 New Crossing	YES (New Roadway)	NO	NO	YES Lower Rock Run Preserve through Rock Run Conservation Easement	YES	\$\$
 EW-7 Olympic Blvd Extension (Skewed Crossing)		Scenario with Interchange Only (No Northern E-W improvement) and No Mound Road Bridge results in E Frontage Rd Experiencing Traffic Increase & Poor LOS at US 52	No Major Utilities Impacted	0	0	No Fen Impacts	Impact at Rock Run Creek	1 New Crossing	YES (New Roadway)	NO	NO	YES Lower Rock Run Preserve through Rock Run Conservation Easement	YES	\$\$\$
 EW-8 Rock Creek Blvd Extension	High northbound left turning volume of traffic to Rock Creek Blvd will queue into Houbolt Road / I-80 DDI due to inadequate storage between intersections. Weaving between intersection and exit ramp is also an issue.	Scenario with Interchange Only (No Northern E-W improvement) and No Mound Road Bridge results in E Frontage Rd Experiencing Traffic Increase & Poor LOS at US 52	No Major Utilities Impacted	0	0	No Fen Impacts	Impact at Rock Run Creek	1 New Crossing	YES (New Roadway)	NO	NO	YES Lower Rock Run Preserve through Rock Run Conservation Easement	YES	\$\$
 EW-8B Rock Creek Blvd Extension (South)	High northbound left turning volume of traffic to Rock Creek Blvd will queue into Houbolt Road / I-80 DDI due to inadequate storage between intersections. Weaving between intersection and exit ramp is also an issue.	Scenario with Interchange Only (No Northern E-W improvement) and No Mound Road Bridge results in E Frontage Rd Experiencing Traffic Increase & Poor LOS at US 52	Potential Underground Stormwater Storage Facility	0	0	No Fen Impacts	Impact at Rock Run Creek	1 New Crossing	YES (New Roadway)	NO	NO	YES Lower Rock Run Preserve through Rock Run Conservation Easement	YES	\$\$

LEGEND

-  DENOTES CONDITIONS WITH MINIMAL ANTICIPATED IMPACTS
-  DENOTES CONDITIONS WITH MODERATE ANTICIPATED IMPACTS
-  DENOTES CONDITIONS WITH GREATER ANTICIPATED IMPACTS

-  DENOTES ALTERNATIVE RECOMMENDED TO BE ELIMINATED FROM FURTHER STUDY
-  DENOTES ALTERNATIVE RECOMMENDED TO BE CONTINUED FOR FURTHER STUDY