

RAILROAD CROSSING ALTERNATIVES FACTORS / IMPACTS

	AT-GRADE CROSSING	PREFERRED ALTERNATIVE IL 60/83 HIGHWAY OVERPASS	IL 60/83 HIGHWAY UNDERPASS
Daily Train/Car Risk Exposure Volume (ADT x Trains/Day)	27,000 X 20 = 540,000	0	0
Railroad Blockage Vehicle Delay	Vehicular Delay Due to Railroad Operations Is Still Present	All Vehicular Delay due to Rail Traffic Eliminated at Crossing	All Vehicular Delay due to Rail Traffic Eliminated at Crossing
Property Access Impacts Right-Of-Way / Easements	<ul style="list-style-type: none"> - Access to Adjacent Streets and Commercial Entrances - Similar to current access - Requires Complete Take of One Property 	<ul style="list-style-type: none"> - Maple Ave Access Modified (via Frontage Rd) Multiple Access Driveways are Impacted with Possible Full Acquisition 	<ul style="list-style-type: none"> - Requires Permanent Closure of Maple Avenue - Multiple Access Driveways are Impacted with Possible Full Acquisition
Emergency Services	<ul style="list-style-type: none"> - Least Favorable Option as Blockages and Vehicular Delays Still Exist - No Suitable Alternate Route Exists 	<ul style="list-style-type: none"> - Elimination of Blockages and Vehicular Delays - Greatly Improves Emergency Response Times 	<ul style="list-style-type: none"> - Elimination of Blockages and Vehicular Delays - Greatly Improves Emergency Response Times
Environmental Impacts	<ul style="list-style-type: none"> - Minimizes Land / Acreage Disturbance 	<ul style="list-style-type: none"> - Some Acreage Disturbance 	<ul style="list-style-type: none"> - Significant Acreage Disturbance Due To Excavation
IL 60/83 at Diamond Lake Road Intersection & RR Crossing	<ul style="list-style-type: none"> - Diamond Lake Road Impacts Minimized - Capacity Improved but Queuing into Diamond Lake Road Intersection Still Anticipated due to High Vehicle Volume 	<ul style="list-style-type: none"> - <u>Minor</u> Impacts to Diamond Lake Road Intersection - Blockage Issue at Intersection is Eliminated 	<ul style="list-style-type: none"> - <u>Significant</u> Impacts to Diamond Lake Road Intersection - Blockage Issue at Intersection is Eliminated
Railroad Operations	<ul style="list-style-type: none"> - Construction Impacts Minimized - Required Active Warning Devices in Proposed Condition 	<ul style="list-style-type: none"> - Temporary Active Warning Devices Required During Construction - No Warning Devices Required in Proposed Condition 	<ul style="list-style-type: none"> - Requires Very Complex Construction Staging - High Cost - Would Require Temporary Closures - Would Require Significant Temporary Improvements during Construction
Long-Term Maintenance/Structures	<ul style="list-style-type: none"> - Proposed Closed Storm Sewer System - No Pump Station or Bridge Structure Required - Maintenance of At-Grade Railroad Crossing, Gates and Warning Devices Required 	<ul style="list-style-type: none"> - Overhead Structure Requires Maintenance - Bridge - Approx. 1,200 feet of Retaining Walls 	<ul style="list-style-type: none"> - Proposed Closed Storm Water System - Pump Station - High Cost - High Maintenance Responsibility - Approx. 2,500 feet of Retaining Walls - Railroad Bridge Structure to Maintain
Construction Duration	<ul style="list-style-type: none"> - Three Main Stages, - Temp crossing signals and gates required - Duration of Construction 24 months 	<ul style="list-style-type: none"> - Two Pre-Stages - Three Main Stages - Temp crossing signals and gates required - Diamond Lake Road Temporary Closures / Detour - Duration of Construction 36 months 	<ul style="list-style-type: none"> - Three Main Stages - Main Stages 1 & 2 Divided into Nine Sub-Stages Each - Temp crossing signals and gates required; - Diamond Lake Road Temporary Closures - Duration of Construction 48 months
Constructability	<ul style="list-style-type: none"> - Standard Construction Methods 	<ul style="list-style-type: none"> - Standard Construction Methods 	<ul style="list-style-type: none"> - Complex Construction Methods
Utilities	<ul style="list-style-type: none"> - Potential Utility Impacts Resulting From Roadway Improvements 	<ul style="list-style-type: none"> - Overhead Utility Relocation Required 	<ul style="list-style-type: none"> - Underpass Lighting Required - Potential Utility Impacts
Construction Cost	\$	\$\$\$	\$\$\$\$\$

COLOR KEY:

SMALL IMPACT / MAGNITUDE

MODERATE IMPACT / MAGNITUDE

LARGE IMPACT / MAGNITUDE