

Rosland Park Pedestrian Bridge Replacement Decision Matrix

Br. No. 27520 - Over TH-62 and W 64th St at Rosland Park
Date: 10/25/2023



Description	No Impact	Improvement	Sig. Improvement	Minor Impact	Major Impact	Not Feasible						
	Do Nothing	Option #1A	Option #1B	Option #2A	Option #2B	Option #3	Option #4	Option #5A	Option #5B	Option #5C	Option #6A	Option #6B
CRITERIA	KEEP EXISTING BRIDGE	SWITCHBACK RAMPS EAST	SWITCHBACK RAMPS WEST	SWITCHBACK RAMP EAST (NORTH) & HELIX (SOUTH)	SWITCHBACK RAMP WEST (NORTH) & HELIX (SOUTH)	MULTI-LEVEL SWITCHBACK RAMP EAST (NORTH) & SWITCHBACK RAMP EAST (SOUTH)	SWITCHBACK RAMP EAST (NORTH) & STRAIGHT RAMP (SOUTH)	SUPERSTRUCTURE MOVED 470' EAST WITH STRAIGHT RAMPS	SUPERSTRUCTURE MOVED 470' WEST WITH STRAIGHT RAMPS	SUPERSTRUCTURE MOVED 470' EAST WITH STRAIGHT RAMPS; BETWEEN TH 62 AND LOCAL ROAD	ELEVATOR BUILDINGS WITH STAIRS	ELEVATOR BUILDING WITH STAIRS (NORTH) & SWITCHBACK RAMP EAST (SOUTH)
Limit Bike Speeds	No Bikes	Switchback	Switchback	Switchback/Helix	Switchback/Helix	Multi-Switchback / Switchback	Switchback / Straight Ramp	Straight Long Ramps	Straight Long Ramps	Straight Long Ramps	Elevator	Elevator
Bike and Pedestrian ADA	Not ADA Compliant	Permanent Compliance	Permanent Compliance	Permanent Compliance	Permanent Compliance	Grades/Clearances do Not Meet Design Stds	Grades Do Not Meet Design Stds	Permanent Compliance	Permanent Compliance	Permanent Compliance	Elevator must remain in-service	Elevator must remain in-service
Local Roadway Operations	No Change	No Impact	North Ramp Lateral Clearance	No Impact	North Ramp Lateral Clearance	No Impact	No Impact	No Impact	No Impact	At-grade ped crossing at W 64th	No Impact	No Impact
Impacts to Residential Properties	No Change	No Impact	North Ramp at Window Level	No Impact	North Ramp at Window Level	No Impact	No Impact	North Ramp at Window Level	North Ramp at Window Level	North Ramp at Window Level	No Change	No Change
Impacts to Residential Trees	No Change	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Trees Removed
TH62 Operations	Bridge Collisions Continue	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards	Meets Design Standards (barely - very tight)	Meets Design Standards	Meets Design Standards
Future Auxiliary Lane / Noise Wall	Median Pier Conflict	Project readily accomodated	Both Projects Not Feasible	Project readily accomodated	Both Projects Not Feasible	Project readily accomodated	Project readily accomodated	Project readily accomodated	Project readily accomodated	Project readily accomodated	Project readily accomodated	Project readily accomodated
Impact to Rosland Park Trees	No Impact	Trees Removed	Trees Removed	Trees Removed	Trees Removed	Low Impact	No Impact	Trees Removed (Oaks)	Trees Removed	Trees Removed	Trees Removed	Trees Removed
Rosland Park Impacts & Operations	No Change	Disc Golf course rerouting & Trail work	No Impact	Significant Park Impact	Significant Park Impact	Disc Golf course rerouting & Trail work	Disc Golf course rerouting & Trail work	Disc Golf course rerouting	No Impact	No Impact	No Impact	Disc Golf course rerouting & Trail work
Aesthetics	No Change	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity	Aesthetic Opportunity, Minimizes Structures	Aesthetic Opportunity, Minimizes Structures
Structure Maintenance and Operations	Future Collision Repairs	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Low Cost / Infrequent	Specialty / High Cost & Frequency	Specialty / High Cost & Frequency
Right-of-Way Impacts	No Change	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact
Utility & Signage Impacts	No Impact	OH Power South	OH Power South	OH Power South	OH Power South	OH Power South	OH Power South	OH Power South	OH Power South	OH Power South & MnDOT OH Sign	New Service to Elevator Needed	New Service to Elevator Needed
Construction Cost	No Immediate Costs	Mid-range	Mid-range	Mid-range	Mid-range	Mid-range	Mid-range	Mid-range	Mid-range	Mid-range	Highest	Highest