



PROPOSED FREIGHT RAIL AND WATER ANALYSIS METRICS

To assist the independent consultants developing the freight rail and water resources studies, proposed metrics based on community feedback have been developed for your input. Through tonight’s discussion the Metropolitan Council would like to know which elements are of most concern to you; if the proposed metrics address your concerns and if there are other metrics that should be considered in the evaluation.

Freight Rail Study

Element	Metric or Measurement
Technical Design and Engineering	<ul style="list-style-type: none"> • Freight rail track alignment • Freight rail track curves • Freight rail track vertical grades (the rise or lowering of track over distance) • Compensated grade (vertical grade + track curve) • Governing rules and guidelines
Safety Considerations	<ul style="list-style-type: none"> • Proximity of track to homes • Proximity of track to schools • At-grade pedestrian crossings • At-grade road crossings
Freight Rail Operational Considerations	<ul style="list-style-type: none"> • Train Speed • Number of trains • Impacts on existing freight rail customers
Significant Obstacle to Implementation	<ul style="list-style-type: none"> • Utilities • Regulatory
Community Impacts	<ul style="list-style-type: none"> • Property acquisition • Impacts on community cohesion
Costs	<ul style="list-style-type: none"> • Construction • Operations and maintenance

Water Resources Study

Timeframe	Review and Evaluate
Existing Conditions	<ul style="list-style-type: none">• Ground water levels• Lake water levels• Water quality• Soil conditions
Construction	<ul style="list-style-type: none">• Proposed construction methods to minimize impacts to ground water and maintain water quality• Proposed construction methods to minimize impacts to surface water and maintain lake water quality• Proposed methods to monitor ground water level, surface water level and water quality during construction
Operations	<ul style="list-style-type: none">• Proposed methods to address ground water seepage• Proposed methods to address surface run off• Proposed methods to monitor ground water level, surface water level and water quality on an ongoing basis