



BOX: 17
CARLING AVE. INTERCHANGE NORTH

SUMMARY OF EXISTING/FUTURE CONDITIONS

G	- DISTANCE BETWEEN CARLING AVE./WB OFF-RAMP MERGE AND KIRKWOOD AVE. TOO SHORT
T	- POOR TRAFFIC OPERATIONS OBSERVED ON CARLING AVE. WB AND WB OFF-RAMP DUE TO INFLUENCE OF SHORT MERGE
S	- HIGHER THAN EXPECTED COLLISION PROBABILITY FOR WB OFF-RAMP

PROBLEM IDENTIFICATION

- WEAVING TRAFFIC BETWEEN CARLING AVE./WB OFF-RAMP MERGE AND KIRKWOOD AVE. CAUSES TRAFFIC OPERATION AND SAFETY CONCERNS

SHORT LISTED ALTERNATIVES

1. DO NOTHING.
2. MINOR MODIFICATIONS:
- NO VIABLE MODIFICATIONS
3. MAJOR MODIFICATIONS:
- PHYSICALLY SEPARATE WB OFF-RAMP FROM CARLING AVE. WB AND PROVIDE SEPARATE SIGNAL PHASING AT INTERSECTION. REQUIRES WIDENING OF CARLING AVE. AND WB OFF-RAMP (SEE SKETCH 17)

BOX: 19
ISLAND PARK DR. INTERCHANGE

SUMMARY OF EXISTING/FUTURE CONDITIONS

G	- NO DECELERATION LANE FOR ISLAND PARK OFF-RAMP
T	- NO IDENTIFIED PROBLEMS
S	- HIGHER THAN EXPECTED COLLISION PROBABILITY FOR ISLAND PARK OFF-RAMP

PROBLEM IDENTIFICATION

- LACK OF DECELERATION LANE FOR ISLAND PARK OFF-RAMP REQUIRES EXISTING VEHICLES TO SLOW DOWN ON THE QUEENSWAY THROUGH LANE WHICH RESULTS IN CONGESTION AND SAFETY CONCERNS

SHORT LISTED ALTERNATIVES

1. DO NOTHING.
2. MINOR MODIFICATIONS:
- NO VIABLE MODIFICATIONS
3. MAJOR MODIFICATIONS:
- CLOSE ISLAND PARK OFF-RAMP
- ADD DECELERATION LANE FOR ISLAND PARK WB OFF-RAMP (SEE SKETCH 19-1)
- RELOCATE RAMP TO WEST SIDE OF ISLAND PARK DR. AND PROVIDE T-INTERSECTION AT ISLAND PARK DR. (SEE SKETCH 19-2)

BOX: 15
MAITLAND AVE. TO CARLING AVE.

SUMMARY OF EXISTING/FUTURE CONDITIONS

G	- VERTICAL (CREST) CURVATURE RESTRICTS STOPPING SIGHT DISTANCE
T	- EB AND WB QUEENSWAY CONGESTION DURING PEAK PERIODS
S	- HIGHER THAN EXPECTED COLLISION PROBABILITY FOR EB QUEENSWAY

PROBLEM IDENTIFICATION

- INSUFFICIENT THROUGH LANE CAPACITY FROM MAITLAND AVE. TO CARLING AVE.

SHORT LISTED ALTERNATIVES

1. DO NOTHING.
2. MINOR MODIFICATIONS:
- NO VIABLE MODIFICATIONS
3. MAJOR MODIFICATIONS:
- ADD 1 ADDITIONAL THROUGH LANE IN EACH DIRECTION FROM MAITLAND AVE. TO CARLING AVE.

BOX: 16
CARLING AVE. INTERCHANGE SOUTH

SUMMARY OF EXISTING/FUTURE CONDITIONS

G	- DISTANCE BETWEEN CARLING AVE./EB OF RAMP MERGE AND KIRKWOOD AVE. LESS THAN DESIRABLE - ACCELERATION LANE FOR S-E ON-RAMP TOO SHORT
T	- CARLING AVE./KIRKWOOD AVE. INTERSECTION CONGESTION DURING PEAK PERIODS
S	- HIGHER THAN EXPECTED COLLISION PROBABILITY FOR EB OF RAMP AND S-E ON-RAMP

PROBLEM IDENTIFICATION

- WEAVING BETWEEN CARLING AVE./EB OFF-RAMP MERGE AND KIRKWOOD AVE. CAUSES SAFETY CONCERNS AND CONGESTION
- INSUFFICIENT CAPACITY AT CARLING AVE./KIRKWOOD AVE. INTERSECTION
- SHORT ACCELERATION LANE FOR S-E ON-RAMP DOES NOT ALLOW VEHICLES TO GET UP TO SPEED BEFORE MERGING WITH QUEENSWAY TRAFFIC

SHORT LISTED ALTERNATIVES

1. DO NOTHING.
2. MINOR MODIFICATIONS:
- NO VIABLE MODIFICATIONS
3. MAJOR MODIFICATIONS:
- EXTEND ACCELERATION LANE FOR S-E ON-RAMP

BOX: 18
CARLING AVE. TO ISLAND PARK DR.

SUMMARY OF EXISTING/FUTURE CONDITIONS

G	- VERTICAL (CREST) CURVATURE RESTRICTS STOPPING SIGHT DISTANCE
T	- EB AND WB QUEENSWAY CONGESTION DURING PEAK PERIODS, PARTICULARLY AT RAMP ENTRANCE AND EXIT LOCATIONS
S	- HIGHER THAN EXPECTED COLLISION PROBABILITY FOR EB AND WB QUEENSWAY DUE TO CONGESTION

PROBLEM IDENTIFICATION

- INSUFFICIENT WB THROUGH LANE CAPACITY FROM CARLING AVE. WB OFF-RAMP WESTERLY
- INSUFFICIENT EB THROUGH LANE CAPACITY THROUGH CARLING AVE. INTERCHANGE

SHORT LISTED ALTERNATIVES

1. DO NOTHING.
2. MINOR MODIFICATIONS:
- NO VIABLE MODIFICATIONS
3. MAJOR MODIFICATIONS:
- ADD 1 ADDITIONAL WB THROUGH LANE FROM CARLING AVE. WB OFF-RAMP WESTERLY
- ADD 1 ADDITIONAL EB THROUGH LANE THROUGH CARLING AVE. INTERCHANGE

