

REGIONAL NIAGARA

ARTERIAL ROAD SYSTEMS PLAN



**PUBLIC INFORMATION CENTRE
PRESENTATION**

JUNE 27th, 2002



Introduction and Background

- **a component of the Transportation Strategy**
- **the objectives:**
 - the longer-term expansion requirements of the arterial road network;
 - improved mechanism for the protection and acquisition of the adequate rights-of-ways;
 - to develop a preferred Commercial Vehicle Routing Plan;
 - to outline a preferred set of access control standards; and
 - to prepare forecasts of the capital costs .

Integration With Other Components Of The Transportation Strategy

- **the analysis has been carried out recognizing the following:**
 - the projected growth and development
 - the Provincial Highway expansion program
 - QEW Expansion
 - Highway 406 Extension
 - MPC
 - Transportation Master Plans - Niagara Falls and Welland
 - the Regional Bikeways Master Plan component
 - the Greater Niagara Circle Route
 - the Inter-Municipal Transit Strategy study
 - the Road Closure Action Plan
- **update the preliminary classification of the Regional Road Network completed in the Roadway Infrastructure Management Study**

Status Of The Work Program

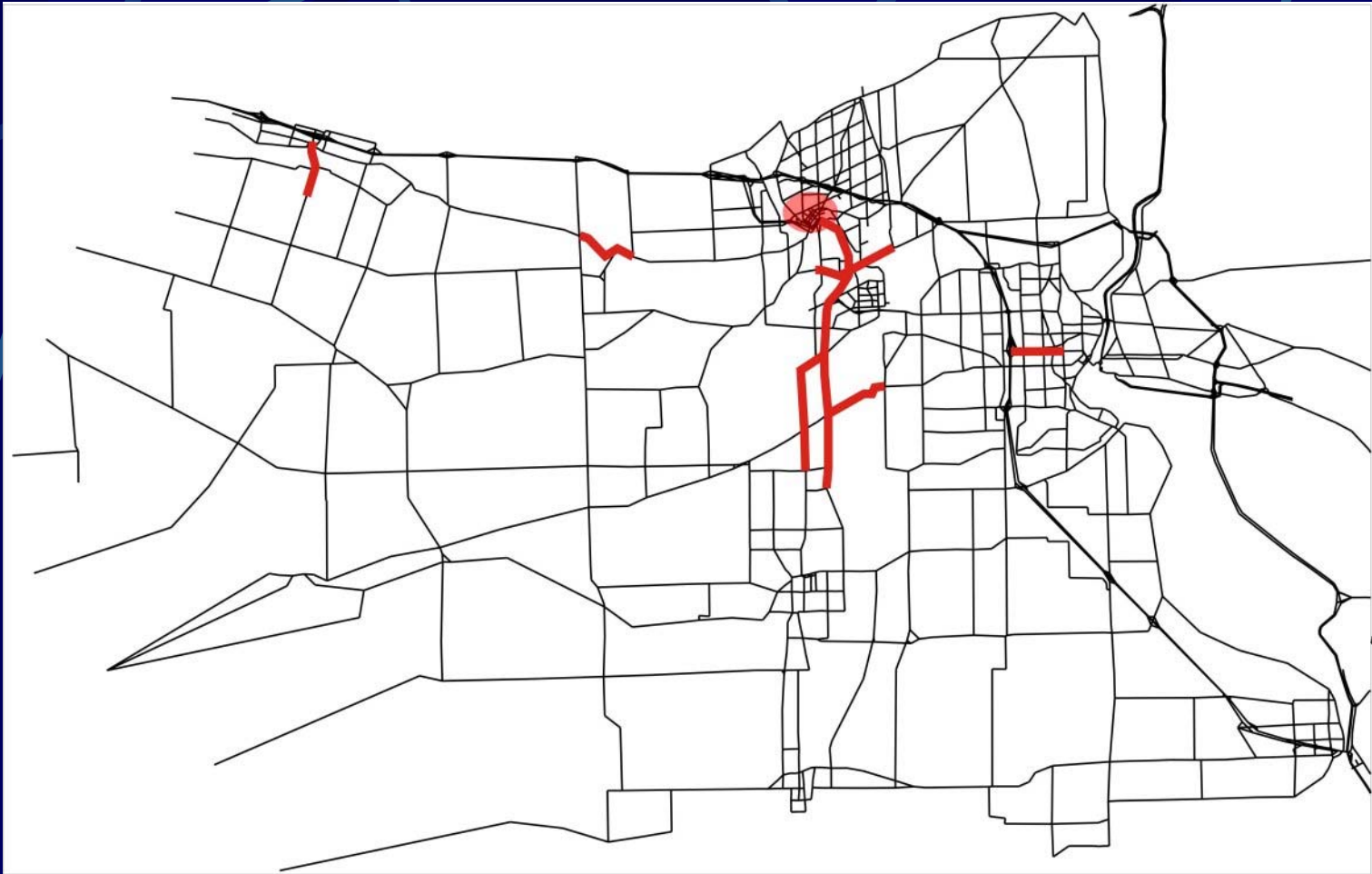
WORK PACKAGE

- Travel Forecast Update
- Identification of Deficiencies
- Desirable ROW Standards
- Desirable Access Control Standards
- Commercial Vehicle Route Plan
- Development of Arterial Options
- “Obtainable” ROW Analysis
- Development of Preferred Plan

STATUS

Complete
Complete
Complete
In Progress
Preliminary Plan
In Progress
In Progress
To be completed

Key Findings: Roadway Expansion Requirements



Regional Niagara : Arterial Roads Systems Plan
Forecast 2021 Capacity Deficiencies

Key Findings: Commercial Vehicle Routing Plan (CVRP)

- **the benefits of a CVRP include greater accessibility for the major generators and attractors of commercial vehicles while offering improved traffic safety and protection for sensitive development**
- **principals reflected in the designation of the CVRP include:**
 - **access to the major generators/attractors of heavy vehicles**
 - **existing volume of traffic on the road section**
 - **roadway geometrics (pavement width/structure, grades, turning radii)**
 - **inter-regional connections**
 - **abutting land use (residential, institutional, educational)**
- **workshop with representatives of industry**

Map Illustrating Preliminary CVRS

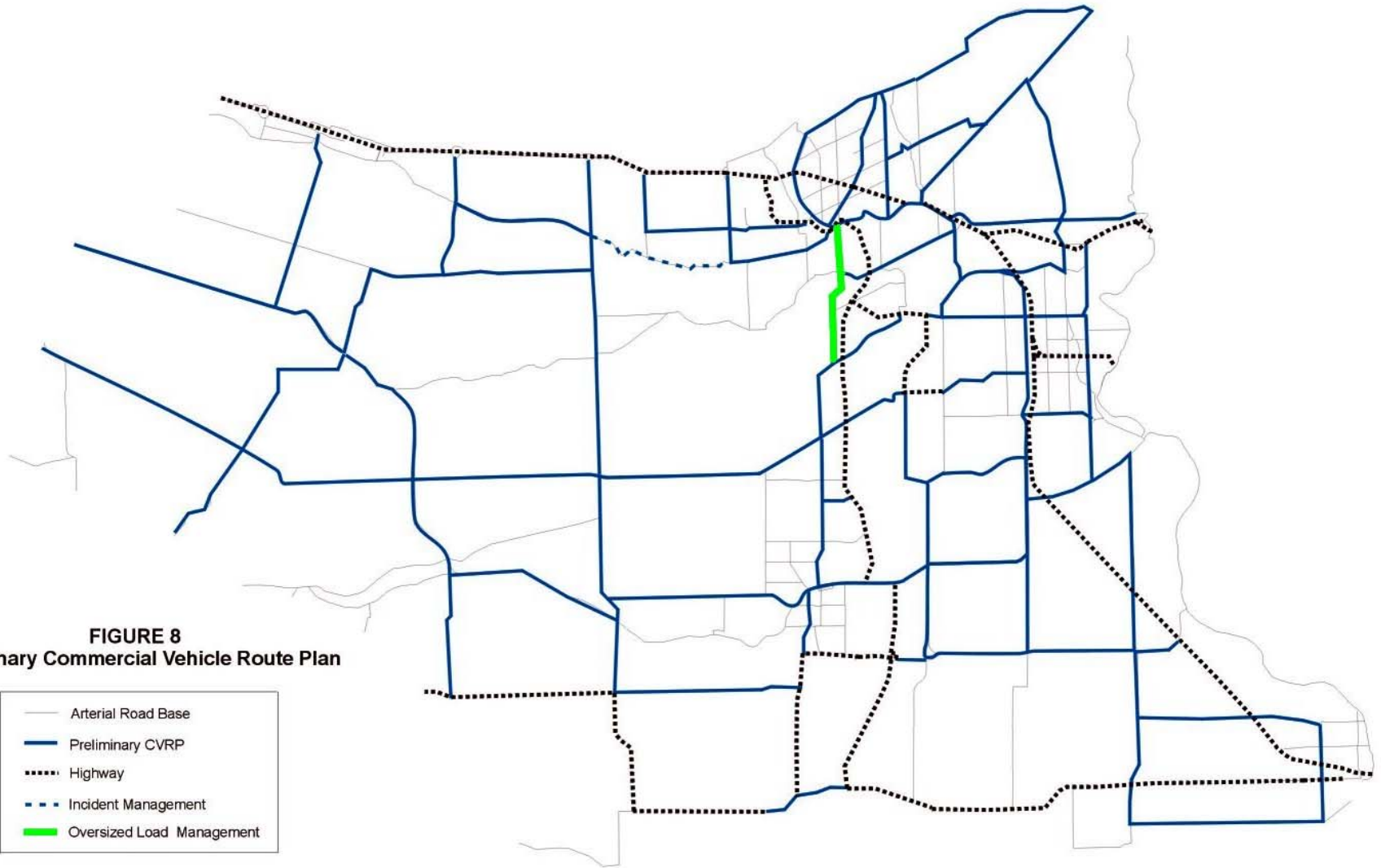


FIGURE 8
Preliminary Commercial Vehicle Route Plan

Proposed Response To Forecast Arterial Expansion Requirements

• **St. Catharines**

- given the expansion of the roadway network within the established area of the City is limited, the suggested approach includes the following:
 - designation of a Transportation Demand Management (TDM) area
 - application of policies to encourage use of alternatives to auto
 - acquisition of additional right-of-way in selected locations to be obtained through dedication
- apply the findings of the Glendale Ave. corridor investigation
- undertake functional planning to protect future corridor for the Glendale Ave. crossing of the Welland Canal
- undertake functional planning to designate r.o.w. for the replacement of the Merritt St. grade separation @ CNR
- request to MTO to protect for widening of 406 to 6 lanes south of Westchester Ave.
- undertake 4th Avenue corridor analysis to establish expansion limits

Proposed Response To Forecast Arterial Expansion Requirements

- **Hwy. 420 – Roberts St.**
 - currently under review by MTO/Region
- **Central Escarpment Corridor**
 - initiate EA investigation to select preferred option once MPC location established
- **Regional Road 20 Corridor**
 - undertake EA investigation to establish preferred corridor to protect future corridor
- **RR #81 @ 20 Mile Creek**
 - undertake reconstruction predominately within existing road allowance
- **Greater Niagara Circle Route**
 - apply Parkway cross section elements into sections utilizing portions of existing arterial road network
 - undertake preparation of business case analysis and staging program

Next Steps

- **undertake public consultation program; June 27th public Open House**
- **complete the development of the arterial system concept plan**
- **undertake the ‘obtainable’ ROW analysis using the preferred roadway cross section standards**
- **prepare preferred arterial development proposal including regional road classification update, access control standards, capital cost estimates and row designation by road section**
- **prepare EA submission (Phase 1 and Phase 2)**