

2022 Arterial Optimization Program

STEVE ROSE, CET, TSOS

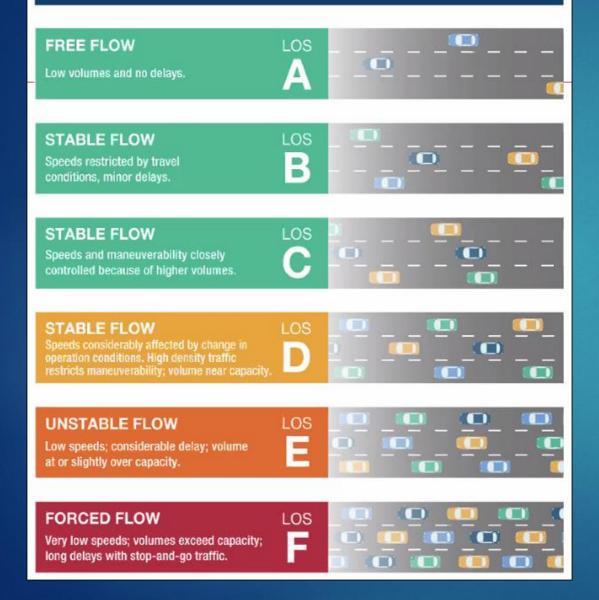
MANAGER OF TRAFFIC & ROWA SERVICES

Agenda

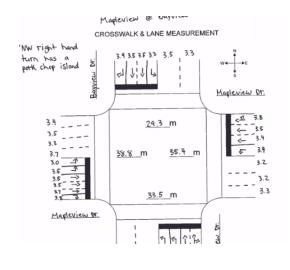
- What is an Arterial Optimization Program
- Levels of Service
- Ingredients
- Centralized Traffic SystemCentracs
- CCTV Traffic Monitoring
- Measures of Effectiveness
- ▶ 2022 Corridors for Review
- Questions

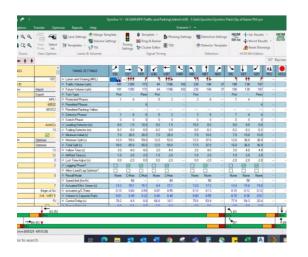


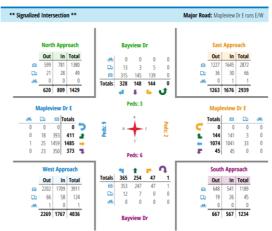
Levels of Service

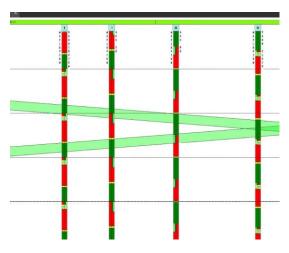


Level of Service means a quantitative standard for transportation facilities describing operational conditions. Level of service may be described for intersections (signalized or unsignalized) or street segments (between signalized intersections)







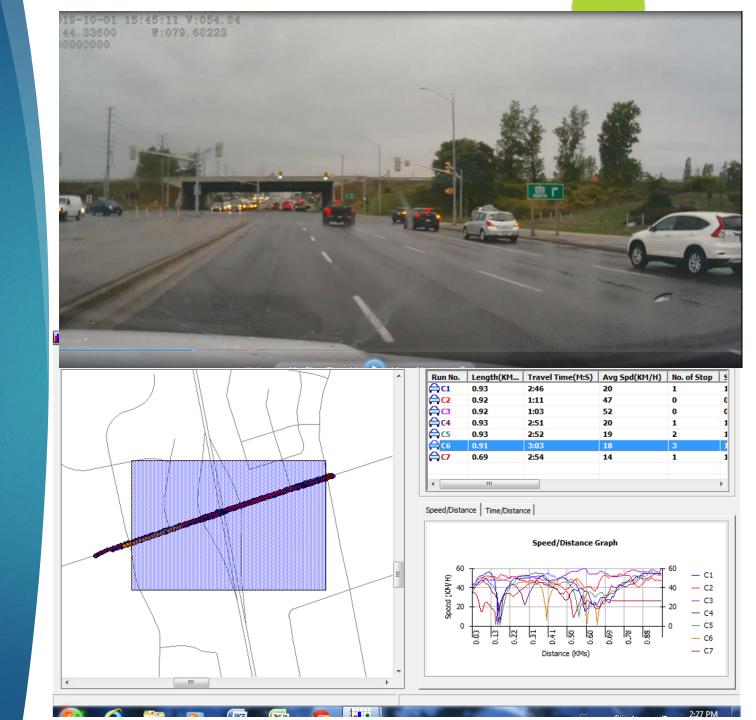


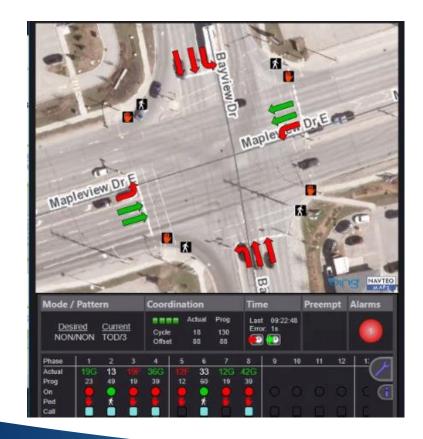
Steps Involved

- Operational Checklist
- Turning Movement Counts
- Geometric Conditions
- Existing Concerns
- Phase Changes
- Offset Optimization
- System Integration
- Implementation

Before vs After Studies

- Travel Time
- Number of Stops
- Stopped Delay
- Average Speeds







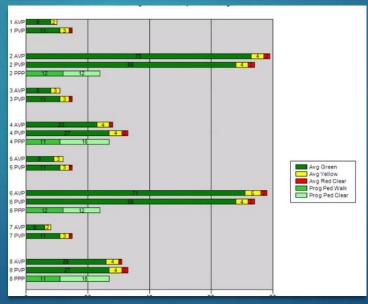
CENTRACS

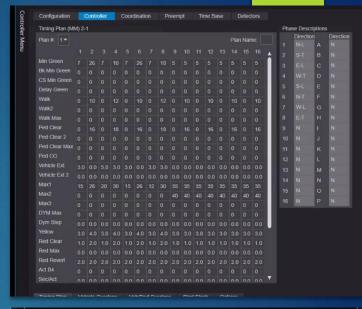
► A centralized traffic control system package using cellular modems providing 24 hour connection and monitoring tools at key intersections.

CENTRACS Functionality

- Specialized Plans
- Modify and implement signal timings
- Reporting on vehicle detection, fire preemptions, cabinet alarms.....
- Split monitor reporting
- Front page displays
- Daily Maintenance









City Map 2021 1:20,000 1 cm = 200 meters Township Of Springwater LEGEND 152 Currently Un-proposed for the Centracs Traffic Township Of Management System 48 Proposed for Future Installation on to the Centracs Traffic Management System 50 Currently Active on the Centracs Traffic Management Kempenfelt Bay 13

CENTRACS ROLLOUT



CCTV

- Traffic Monitoring
- Road Operations
- Emergency Services
- 12 Existing Locations
- Expansion
 - Mapleview Dr & Yonge St
 - Veterans Drive

2022 Corridors for Review



- Q1 Mapleview/Bayfield/Essa
- Q2 Harvie Road Essa to Bayview
- Q3 Duckworth Street Grove to Georgian
- Q4 Dunlop Street Ferndale to Anne

