





PEDESTRIAN SAFETY



APS'





Ped Warrants & Control Guidelines

Calgary



CENTRE CITY – ADVANCED TRAVEL INFORMATION SYSTEM







STREETLIGHT LED RETROFIT

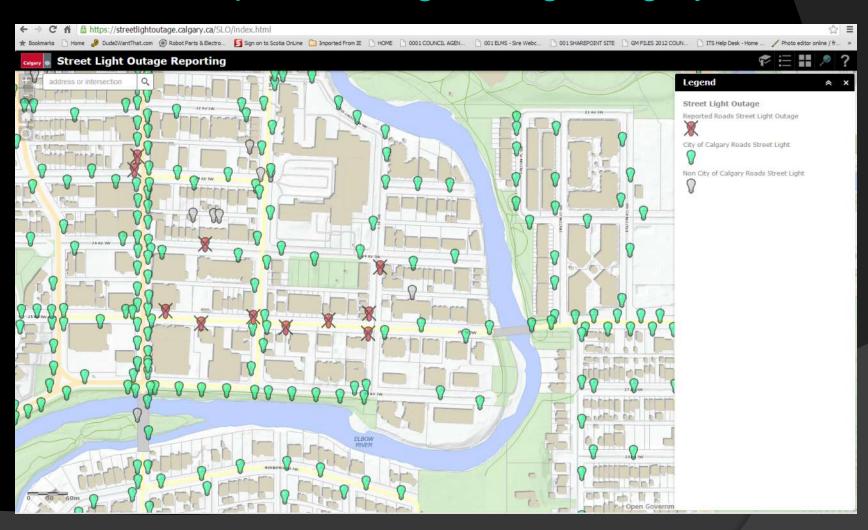






STREETLIGHT OUTAGE MAP

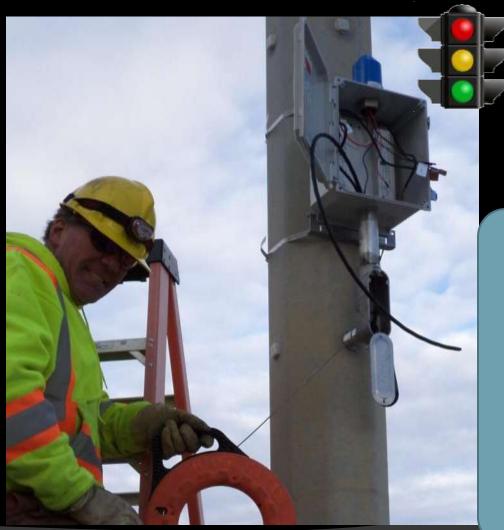
https://streetlightoutage.calgary.ca/







STREETLIGHT MESH COMMS



DESCRIPTION

 Adaptive lighting module, modified to allow LED streetlights to create a low bandwidth wi-fi network

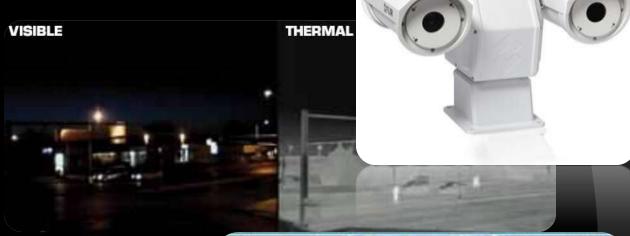
BENEFITS

- Inexpensive communications option to connect traffic signals (and other devices) to TMC
- Lower clock drift, better offset coordination, improved ability to adjust traffic signal timings



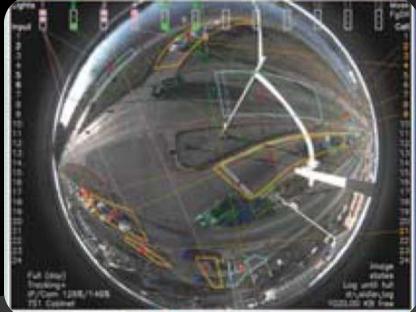
DETECTION













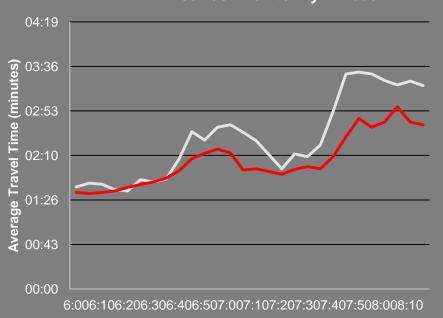


A.T.O.M.S.



17 Ave SE Peak Hour Travel Time

Deerfoot Trail to Alyth Road



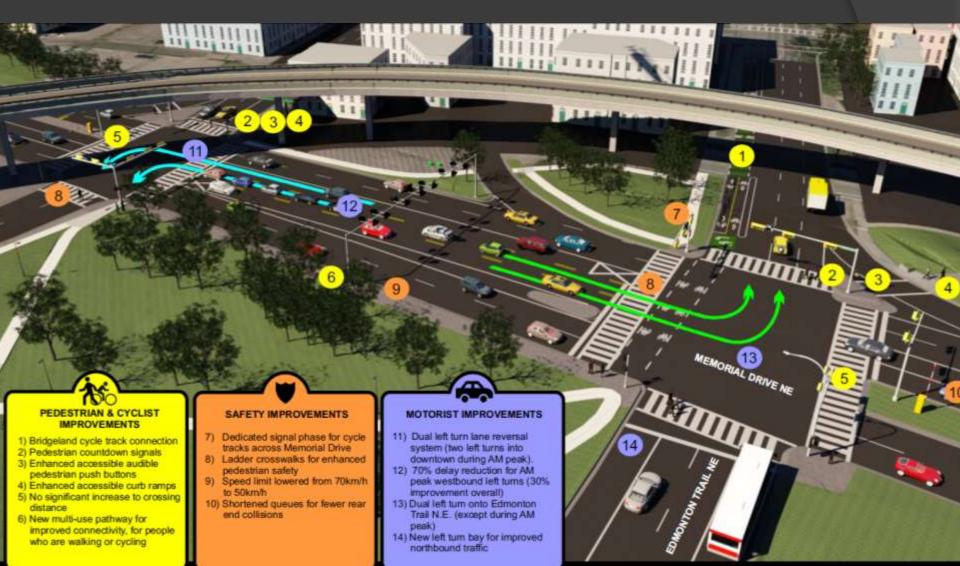
BEFORE
AFTER

BENEFITS

- 14% Improvement overall
- 30% peak hour travel time improvement
- Benefits to both Transit and motorists

LANE REVERSAL SYSTEMS

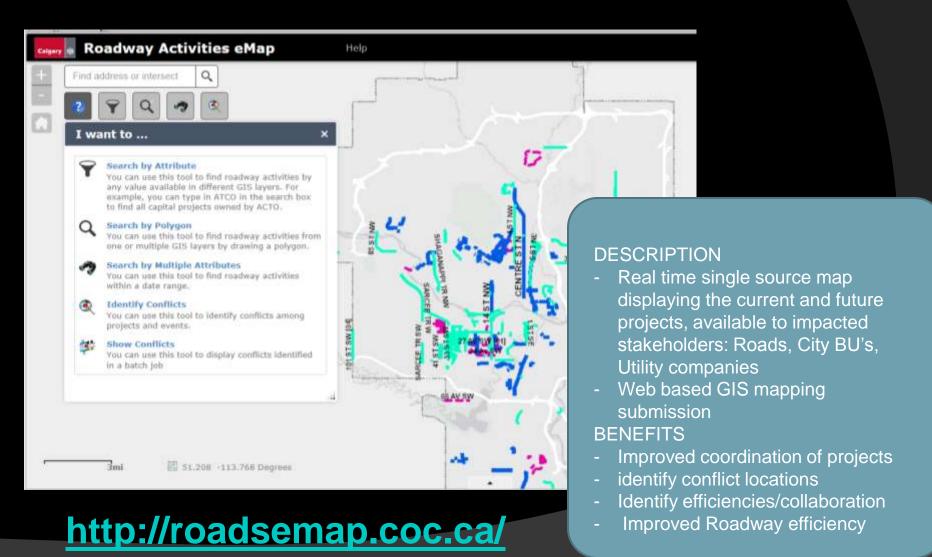
MEMORIAL @ Edmonton





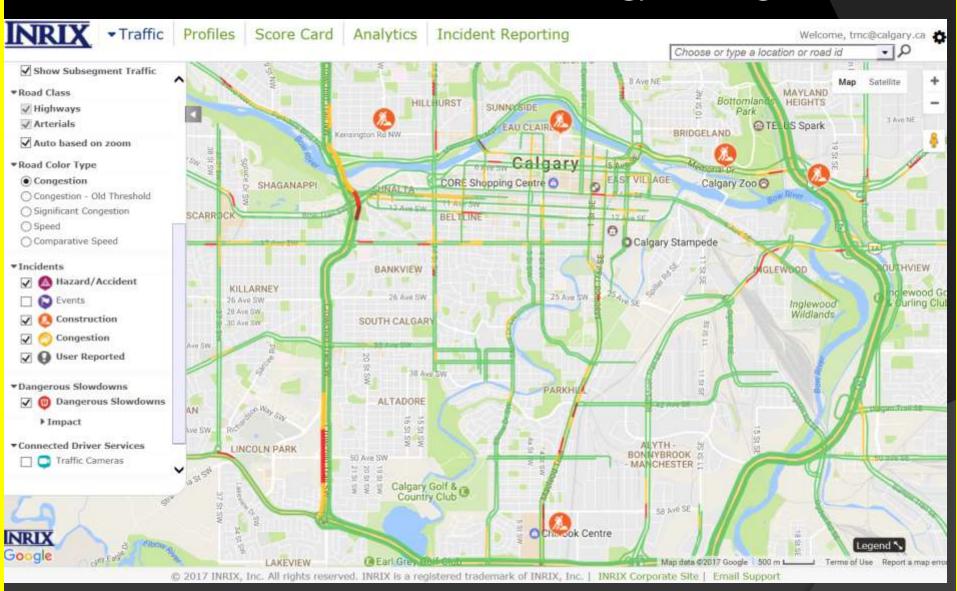


ROADWAY CONSTRUCTION OPS MAP





INRIX DATA INTEGRATION

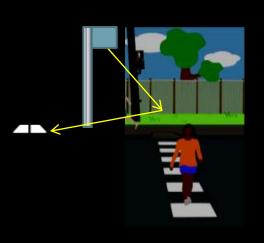


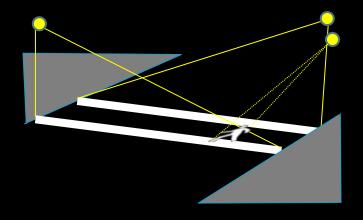




PEDESTRIAN ACTIVATED CORRIDOR LIGHTING SYSTEMS

Refracted downlighting





Projected Roadmarkings

Backlit Downlit Signage w beacons





LED Outline PED Head





BIKE ACTIVATED SAFETY SIGNAGE











ROUTE OPTIMIZATION SOFTWARE



