Project Overview – The Construction and the Players
Contract Administration Services
- Project Specific Service Requirements
- Scope of Rapid Superstructure Replacement Project

Challenges During Construction
- Contractor’s Plan and Scheduling
- Impacts to Traffic
- Third Party Influence
- Surprises and Unique Construction

The Final Product
- The Contract
- Relationship with the Client
- Relationship with the Contractor
- Lessons Learnt
Contract Administration Services
Project Specific Service Requirements

- Project Management
  - coordination, quality, cost and schedule control
- Contract Administration
  - address issues and concerns, services and deliverables
- On-Site Inspection
  - substructure widening, staging areas, superstructure, rapid replacement, and reinstatement
- Off-Site Inspection
  - structural steel fabrication, coating, and welding

Contract Administration Services

- Daily Construction Activities
- Pre-Rapid Replacement Operations
- Rapid Replacement Operations
- Post-Rapid Replacement Operations
- Rehabilitation and Reinstatement

Challenges During Construction
Contractor’s Plan and Scheduling

- Critical Path Schedule and Completion Date
- Rapid Replacement Weekends
- Incentives and Disincentives
- Staging of Pre-Rapid Replacement and Post-Rapid Replacement Operations
- Winter Shutdown
Challenges During Construction

Impacts to Traffic

- Traffic Control Management Plan
  - work in proximity to traffic lanes, timing, controlling and protecting public
- City Streets
  - existing substructure rehabilitation and widening, reconstruction of city streets
- Full Closure
  - highway and city streets, time restrictions, bonuses and penalties

Challenges During Construction

Third Party Influence

- Third Party Representatives
  - City of Ottawa Street Lighting and Traffic Signals
- Third Party Work Prior to Construction
  - storm system replacement, street lighting and traffic signal layout
- Communication
  - issues and concerns from all stakeholders involved, impacts to budget and schedule

Challenges During Construction

Surprises and Unique Construction

- Hazardous Materials
- Partial Depth Concrete Removals
- Surface Finishing of Concrete Deck
- Staffing Requirements for Contract Administration Services
Final Product

On Time?
On Budget?
Overall Quality?

Relationship with the Client

- Mediator between Contractor and Client
- Professional Review and Advice
- Act in the Best Interest of the Client
- Result of a Good Working Relationship

Relationship with the Contractor

- Mediator between Client and Contractor
- Enforce Contractual Requirements
- Result of a Good Working Relationship
- Overall Quality
Lessons Learnt

- Hazardous Materials
- Bonuses vs. Penalties
- New Technologies
- Professional Relationships

How many workers does it take to change a bridge?...

QUESTIONS?