2007 Update:
Safety and Operational Initiatives
Illinois Tollway
The Illinois Tollway - 1958

• The Tollway opens in 1958
  – 187 miles, serving 62,000 vehicles a day
  – 8 maintenance sections
  – 265 bridge structures
  – 9 mainline toll plazas
  – 15 ramp toll plazas
The Illinois Tollway - 2007

- The Tollway in 2007
  - 274 miles, serving 1.2 million vehicles a day
  - 1,650 lane miles
  - 11 maintenance sections
  - 539 bridge structures
  - 20 mainline toll plazas
  - 47 ramp toll plazas
SYSTEM-WIDE AVERAGE DAILY TRAVEL

I-90 – 312,300

I-88 – 238,580

Tri – 594,220

N/S – 199,310

Lake Michigan

Chicago
Providing for Safety and Mobility is a Huge Challenge
Installation of Cable Barrier System
Cable Barrier System
Locations Evaluated

Most desired location
(*pending median slopes*)
Typical Section – Reagan Memorial Tollway (I-88)

NCHRP TL-3 TESTED CABLE MEDIAN BARRIER SYSTEM
(S.P. 711B, 711D, 711E)
Typical Section – Northwest Tollway (I-90)
Cable Median Barrier Locations
Experiences to Date

- System hits through April 30, 2007 (16 months)
  - M-12 Section = 45 Hits - 37 miles
  - M-6 Section = 113 Hits - 23 miles
  - M-7 Section = 40 Hits - 12 miles
  **Total 198 Hits**

- Have had zero crossover crashes since installation
Wireless Network

Currently being installed on South Tri-State and North Tri-State prior to construction.
SOUTH EXTENSION OF I-355

• To Be Memorialized as:
  “VETERANS MEMORIAL TOLLWAY”
ITS/Operational Deployments

- Open Road Tolling
- CCTV Camera Coverage
- Dynamic Message Signs
- Remote Traffic Monitoring Systems
- Ramp Queue Monitoring/Warning Signal
- Weigh In Motion
- Incident Management- Police, Fire, Towing and recovery
- Wireless Network
Open Road Tolling
CCTV Cameras
Dynamic Message Signs

ROAD WORK AHEAD
EXPECT DELAYS
Remote Traffic Monitoring
Mainline and Ramps

- Non-intrusive in ROW
- 15” square base, flexible
- Solar powered
- Wireless communication
- Modular components
- Cover all lanes
Weigh-in-Motion
Operational Requirements

- Expanded M-Section 14
- 10 New Snow Plow Routes
  - 10 Trucks & 20 Personnel
- 6 New Fire Departments / Protection Districts
- 1 Vehicle Recovery
- 1 Towing & Road Service
Incident Management

Traffic and Incident Management Center

Computer Aided Dispatch

Incident Responders
CONTACT INFORMATION

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