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**Semi-Tractor Trailer vs.  
Balmoral Avenue Bridge**

June 19, 2013

# Balmoral Avenue Bridge struck June 3 at 1:20 p.m.



# Damaged semi-tractor trailer truck



# Maintenance crews address the damage



# Two lanes restored at 2:36 p.m.



# Maintenance crews secure the beam



# Beam wrapped in chain-link fence and fabric



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# Repair the bridge on emergency basis

- **Identified contractor to make repairs**

- **Developed plan**

- Task 1: Remove the damaged beam
- Task 2: Order replacement beam (four - six weeks)
- Task 3: Complete repair – target date August 1



# Task 1: Remove the damaged beam

## ■ Determined removal method with contractor

- Dropping beam selected
- Required full closure of northbound I-294

## ■ Determined detour route

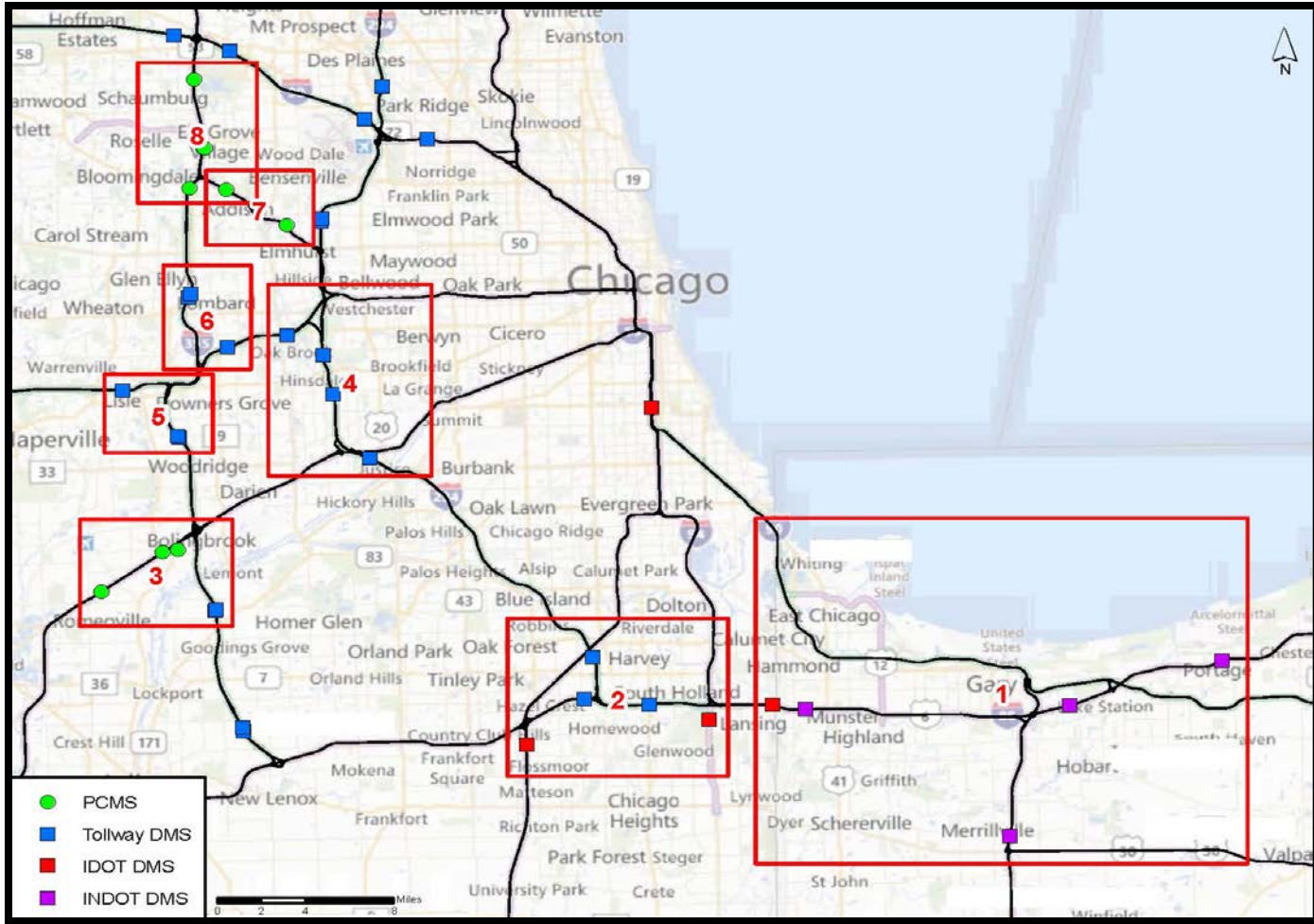
- Illinois Department of Transportation approved use of I-290 westbound

## ■ Developed traffic plan with traffic consultant

## ■ Contacted media to alert customers of traffic impacts



# Traffic management plan



# Timeline of beam removal

## ■ Saturday, June 8, 2013

- 7:00 pm – Two lane closure northbound
- 8:00 pm – Two lane closure southbound
- 9:30 pm – Eastbound Balmoral Avenue closed
- 10:00 pm – Three lane closure northbound
- 11:10 pm – Blackhawks win in overtime to clinch Western Conference Championship
- 11:30 pm – Northbound Cermak Road Toll Plaza open road tolling lanes closed (cash lanes open) and left lane of the two-lane ramp from the eastbound Reagan Memorial Tollway (I-88) to northbound I-294 closed
- 12:00 midnight – Detour begins

## ■ Sunday, June 9, 2013

- 12:12 am – Contractor begins
- 2:05 am – Beam is down
- 3:30 am – All lanes open on southbound I-294
- 5:30 am – Two lanes northbound open, detour is removed
- 7:32 am – Clean up complete, all lanes northbound open



# Removal of damaged beam



## Current conditions/next steps

- All lanes open on Tri-State Tollway (I-294)
- One lane (eastbound) closed on Balmoral Avenue
- Complete bridge repair expected later this summer (Goal: August 1)
  - Ordered new beam: estimated four – six weeks
  - Finalizing repair plans with general engineering consultant and contractor



# A TEAM Effort

## Special thanks...

- Internal departments
  - Business Systems
  - Communications
  - Engineering
  - Finance
  - Operations
  - Procurement
- Illinois State Police District 15
- Illinois Department of Transportation
- Village of Rosemont
- Lorig Construction
- AECOM
- CDM Smith
- HNTB





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**THANK YOU**