City of Dallas

Big things are happening here
Current Hardware

1383 Signalized Intersections

- Intelight 2070 (940) - Cell modems
- Eagle 170 (443) - Cable Modem
Current ATMS

Ericsson GUI
- TMS - Maxview
- VMS - Teleste
- AMS - Maximo
Maxview

Teleste
June Wind Storm

- 60+ MPH winds
- 450,000 residents lost power
- Estimated 600-800 signals went to flash

How do you deal with that??
June Wind Storm

- Maxview used to identify outages
- Followed power outages/restorations
- Worked with shop and Engineers to clear flash calls
June Wind Storm
June Wind Storm

SB Preston (Frankford – NW Hwy)

Monday 8:45 AM Travel Time 37:11

Average 8:45 AM Travel Time 19:23
June Wind Storm

Update - Wednesday

SB Preston (Frankford - NW Hwy)

Travel Time (mins)

Time of Day

- 2019-05-13 - 2019-06-07 (Mo, Tu, We, Th, Fr)
- 5th and 95th Percentiles
- 25th and 75th Percentiles

- 2019-06-10 (Mo, Tu, We, Th, Fr)
- 5th and 95th Percentiles
June Wind Storm

Lessons Learned
- ATMS helped spot problem areas
- All hands on deck
- Shop/Engineers communication needed

Overall Good Job
Dallas Tornado

- Ericsson GUI used
- Determined Major Alarms as signal flash
- Had all flash calls cleared by noon outside of tornado area
Dallas Tornado

- EF 3 Tornado
- Many Signals damaged or destroyed
- Most signals affected had older controllers

How do you deal with that??
Dallas Tornado

- Newer Signals: Replace damaged poles/arms with current stock
- Older signals: Place temporary signals in place
- 33 signals within the path of tornado planned to be replaced
Dallas Tornado

Lessons Learned

- New system would have help identify damaged areas
- Have equipment on hand for emergencies
- Be prepared for anything
Any Questions?