Transportation Systems Management Operations Deployment in PennDOT District 8-0 Thanksgiving Initiative

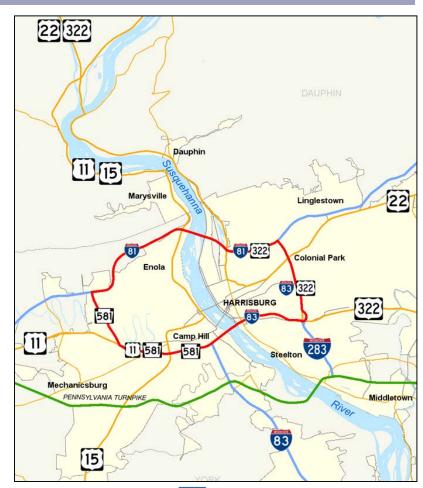
December 6, 2017

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BACKGROUND

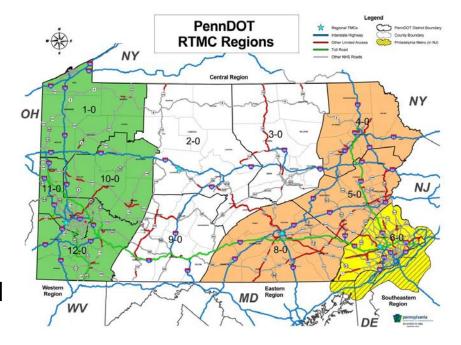
- PennDOT District 8-0 is located in the PA Capitol -Harrisburg. Counties served include:
 - Adams
 - Cumberland
 - Dauphin
 - Franklin
 - Lancaster
 - Lebanon
 - Perry
 - York





BACKGROUND

- District 8-0 operates one of 4 Regional Transportation Management Centers (RTMC) in the state
 - 24/7/365 operation
 - Focal point for information collection and dissemination of traffic management operations within the regions





District 8 Goals

- With this initiative we were looking to:
 - maximize our usage of our ITS tools, and
 - increase the highway efficiency for our travelling customers in a known high peak traveling condition
 - (I.E. Thanksgiving Holiday Traffic)
- Increase travel speeds by 20%
- Decrease travel time delays by 20%
- Basically, provide alternatives to travelers and balance demand on two separate roadways rather than one.



Project Area



www.dot.state.pa.us

District 8-0 ITS Elements/Tools

- 98 CCTV Cameras
- 49 Permanent DMS
- 20 Portable DMS (with 3 set up special for this initiative)
- 20 HAR Transmitters
- 35 HAR Beacon signs
- 3 Freeway Service Patrol tow trucks with 2 used on this Sunday
- 511PA











So what did the initiative entail?

- Extra message boards to tell travelers to use alternate route US 22 WB
 - Panel 1



- Panel 2





Summary for 2016

- Did We Meet our Goals?
 - Avg travel speed on I-81 SB increased from 38.7 (2011-2015) to 50.9 in 2016 931.5% increase)
 - Avg travel speed on I-78 W between US 22 & I-81 increased from 20.8 to 66.3 mph (218% increase) during the worst hour comparison.
 - In 2016 vehicle counters confirmed an increase in
 32.5% of vehicles exiting I-78 WB at Exit 8 to use US 22



Summary for 2017

- So what happened in 2017?
- Looking at the preliminary numbers:
 - It looks like traffic volumes were up by about 20-30%
 - More traffic used the US 22 option, but the I-81 SB segment was more congested than 2016.



QUESTIONS

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