



I-495 Bridge - Part III Traffic Management

February 19, 2015
DelDOT Winter Workshop

I-495 Emergency Bridge Project

- First Actions
 - Drop everything!
 - Plan MOT at closure points
 - Decide which ramps to close, and how
 - Plan and deploy message boards
 - Safety and North District – coordinate on MOT deployment
 - Plan and deploy detour signs
 - Safety, TMC, P.R. – coordinate on public notifications
 - TMC – monitor and adjust signal timings
 - Coordinate with Hauling Permit Office, City of Wilmington, Delaware State Police
 - Activate Emergency Response Units (ERU)



I-495 Emergency Bridge Project

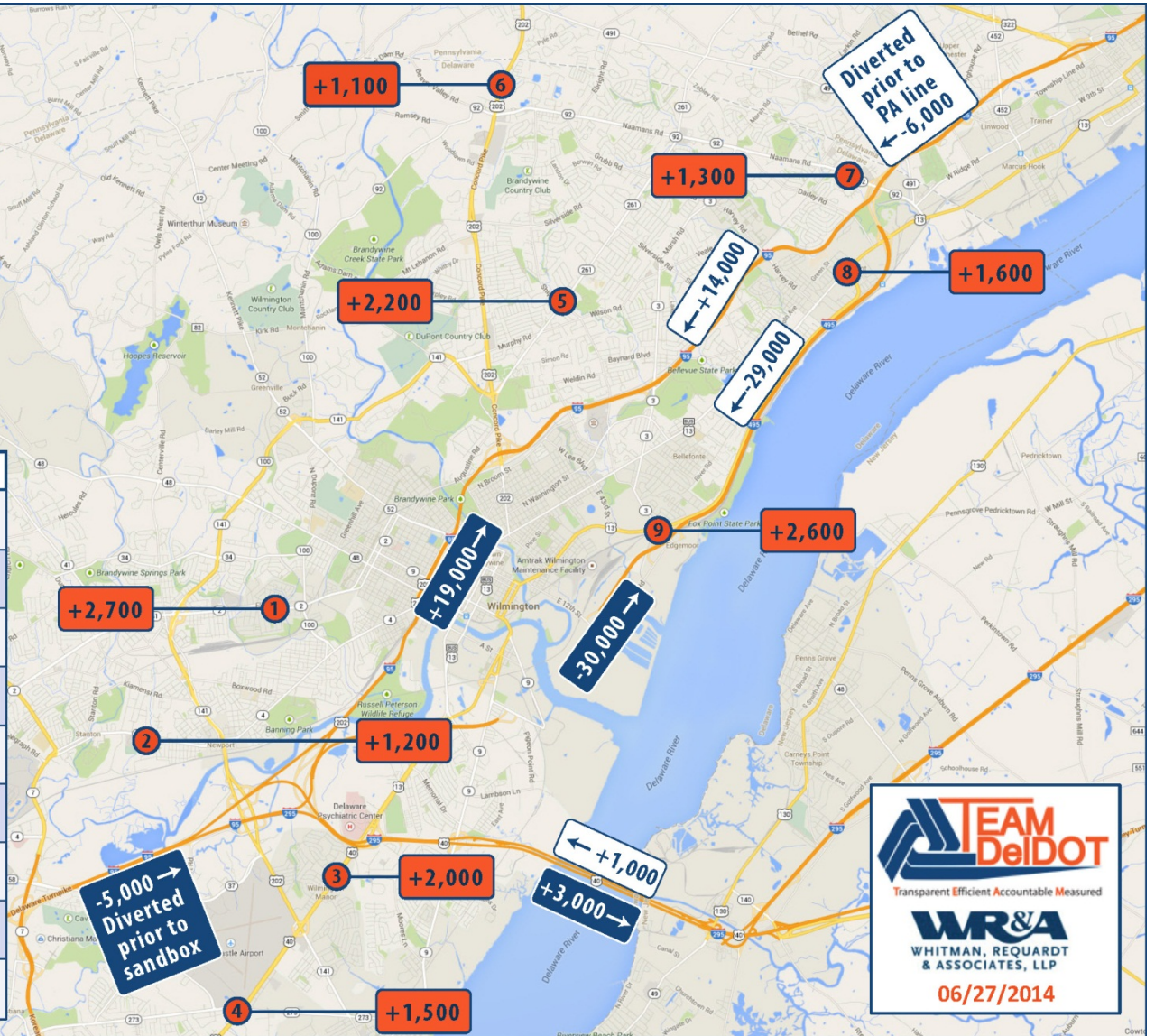
- Actions/Activities During Construction
 - Temporary Signal @ I-495 NB Ramp/Terminal Ave.
 - Deployed portable cameras and traffic detectors
 - Monitored adjacent arterials and modified signal timings
 - Responded to numerous questions/concerns
 - Designed long-term MOT plan and contracted out
 - Initiated continuing conference calls with City of Wilmington
 - Deployed additional detection equipment to enhance real-time travel time info
 - Coordinated closure and route info for Firefly event
 - Striped in a separate right-turn lane at I-495 NB Ramp/Terminal Ave.
 - Re-opened US 13 Ramp to I-495 NB (Port of Wilmington access)
 - Authorized City of Wilmington Special Duty Police
 - Modified I-95/I-495 SB Merge
 - 24/7 MAP/ERU (4 staff 7 am – 7 pm; 2 staff 7 pm – 7 am)
 - Coordinated special events in City of Wilmington
 - Planned for re-opening



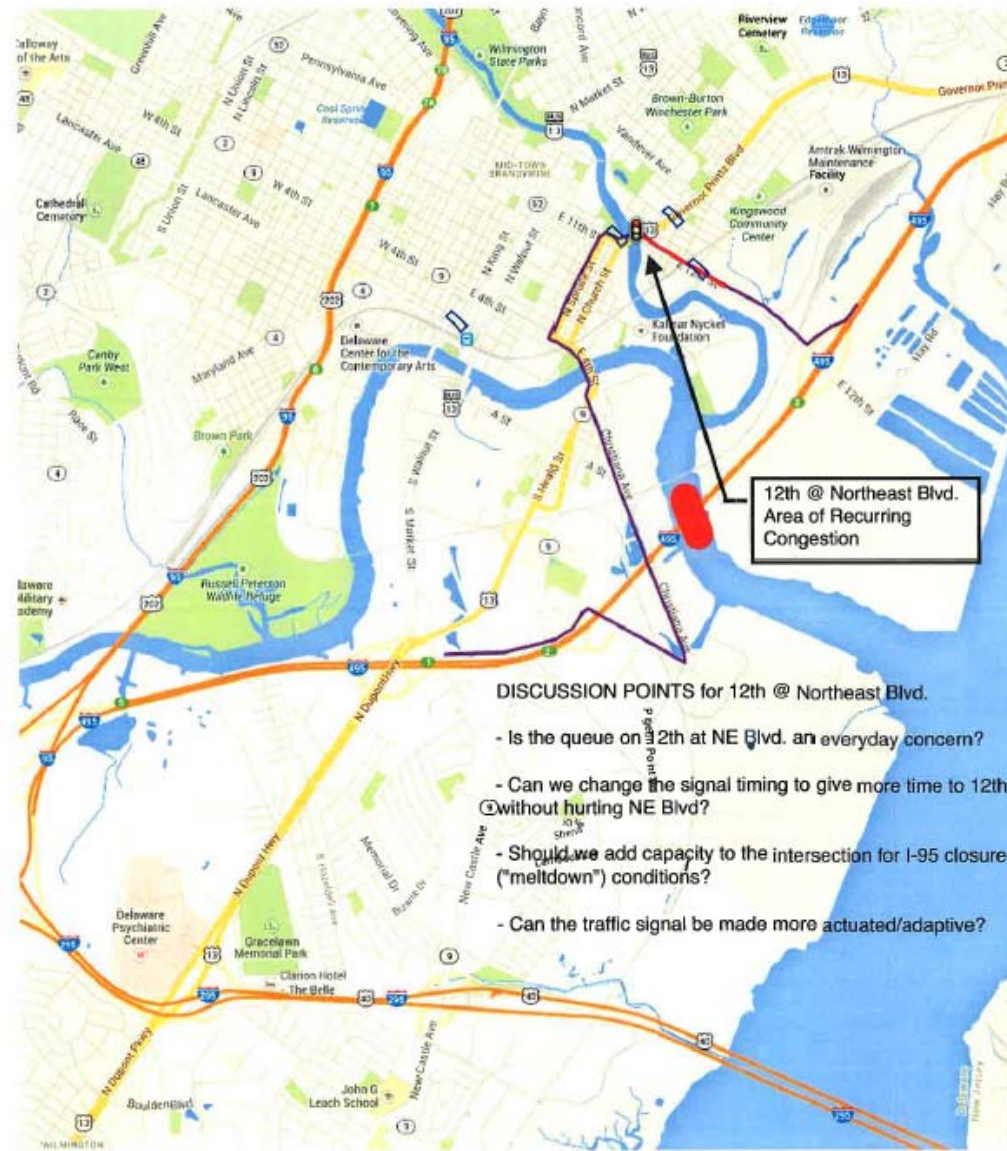


BRIDGE 1-813 ON I-495
EMERGENCY REPAIRS:
 Changes in Interstate ADT and
 Diversion Route "Spot" Counts

ID#	ROAD	DIRECTION	ADT CHANGE		% INCREASE
1	SR 2 @ Linden Ave (Elsmere)	EB	1400	2700	13%
		WB	1300		
2	SR 4 @ Macarthur Dr (W of Newport)	EB	900	1200	6%
		WB	300		
3	US 13 @ Bacon Ave (S of I-295)	NB	800	2000	5%
		SB	1200		
4	US 13 @ SR 273 (New Castle)	NB	900	1500	2%
		SB	600		
5	Foulk Rd @ Shipley Rd	NB	700	2200	12%
		SB	1500		
6	US 202 @ PA State Line	NB	400	1100	3%
		SB	700		
7	Naamans Rd @ Peachtree Rd (W of I-95)	EB	700	1300	6%
		WB	600		
8	US 13 (Philadelphia Pk) @ Gov Printz Blvd	NB	600	1600	9%
		SB	1000		
9	US 13 (Gov Printz Blvd) @ SR 3 (Edgemore Rd)	NB	1800	2600	36%
		SB	800		



I-495 SB Detour Route



◇ Portable Wavetrax

I-495 Emergency Bridge Project

- Follow-Ups
 - Removal of MOT/detours/overhead sign overlays
 - Temporary Signal @ I-495 NB Ramp/Terminal Ave. removed
 - Modified I-95/I-495 SB Merge: continued analysis to determine if this should stay as-is or revert to previous configuration



I-495 Emergency Bridge Project

- Concluding/Post Construction Activities
 - Redesign and rebuild overhead signs and sign structures for both I-95 and I-495 approaching SB merge and ramps to I-295 (Left Exit effort)
 - Possibility of shoulder reconstruction project to reinstate the second lane from I-495 at the merge with I-95



ND0070 - I95 SB AT I295 SPLIT

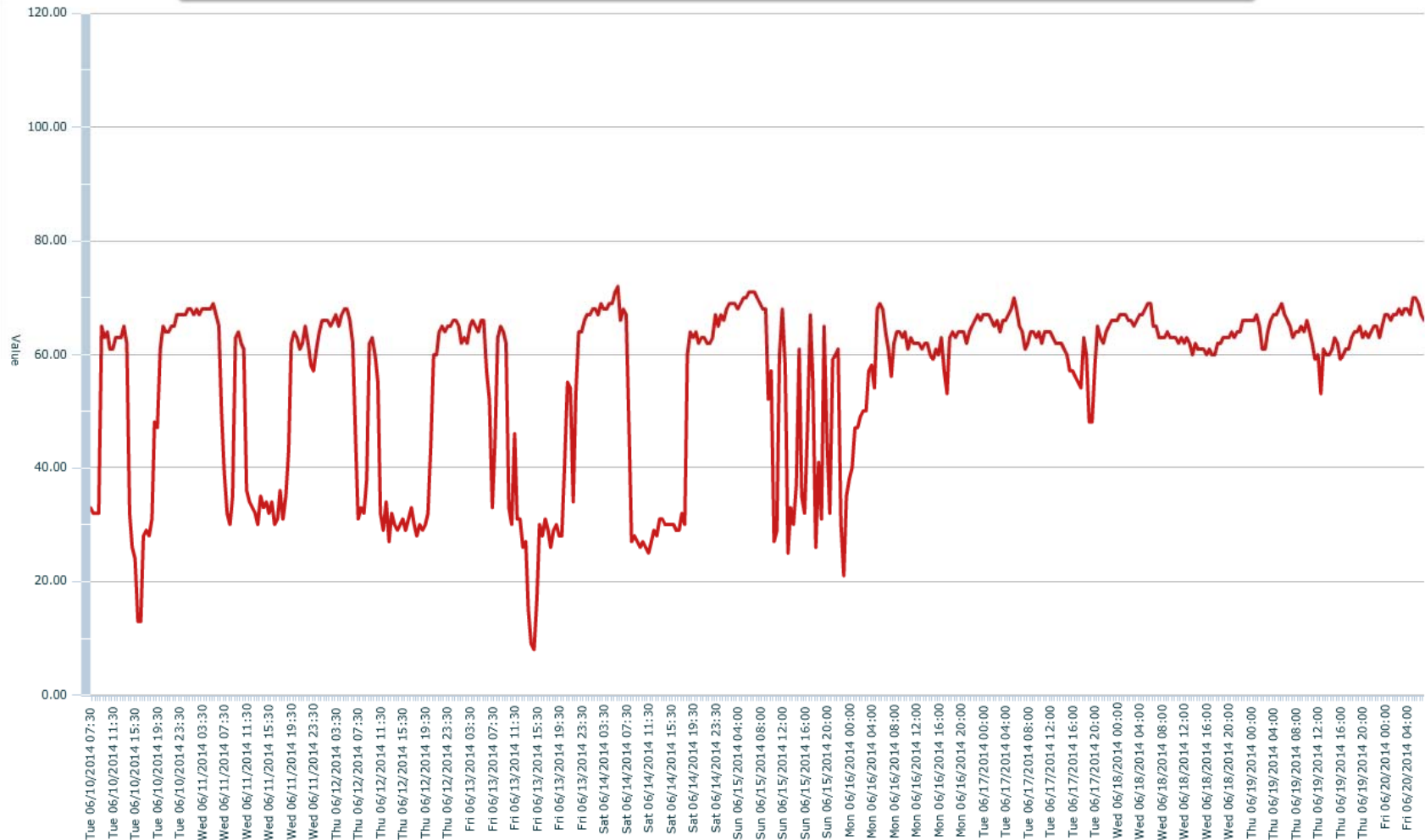
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Chart

Device Ranked Listing

Active Device Listing



■ Volume %
 ■ Occupancy %
 ■ V%+O%
 ■ Sample Size
 ■ Speed

ND0087 - 195 AND DELAWARE AVE



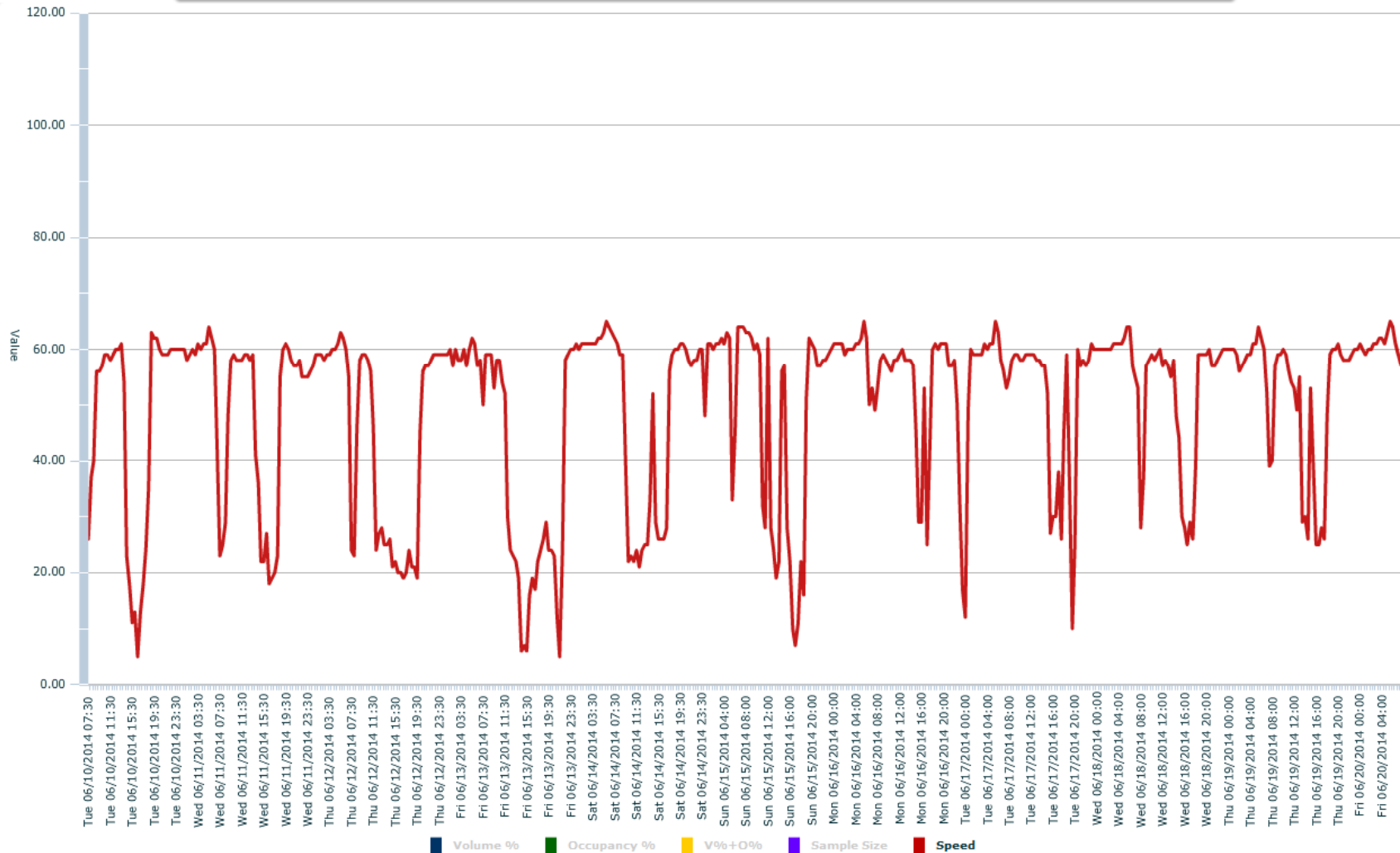
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Chart



Device Ranked Listing

Active Device Listing





I-495 SOUTHBOUND
HAS
REOPENED

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