

Arrigoni Bridge ITS Portable WorkZone Management System



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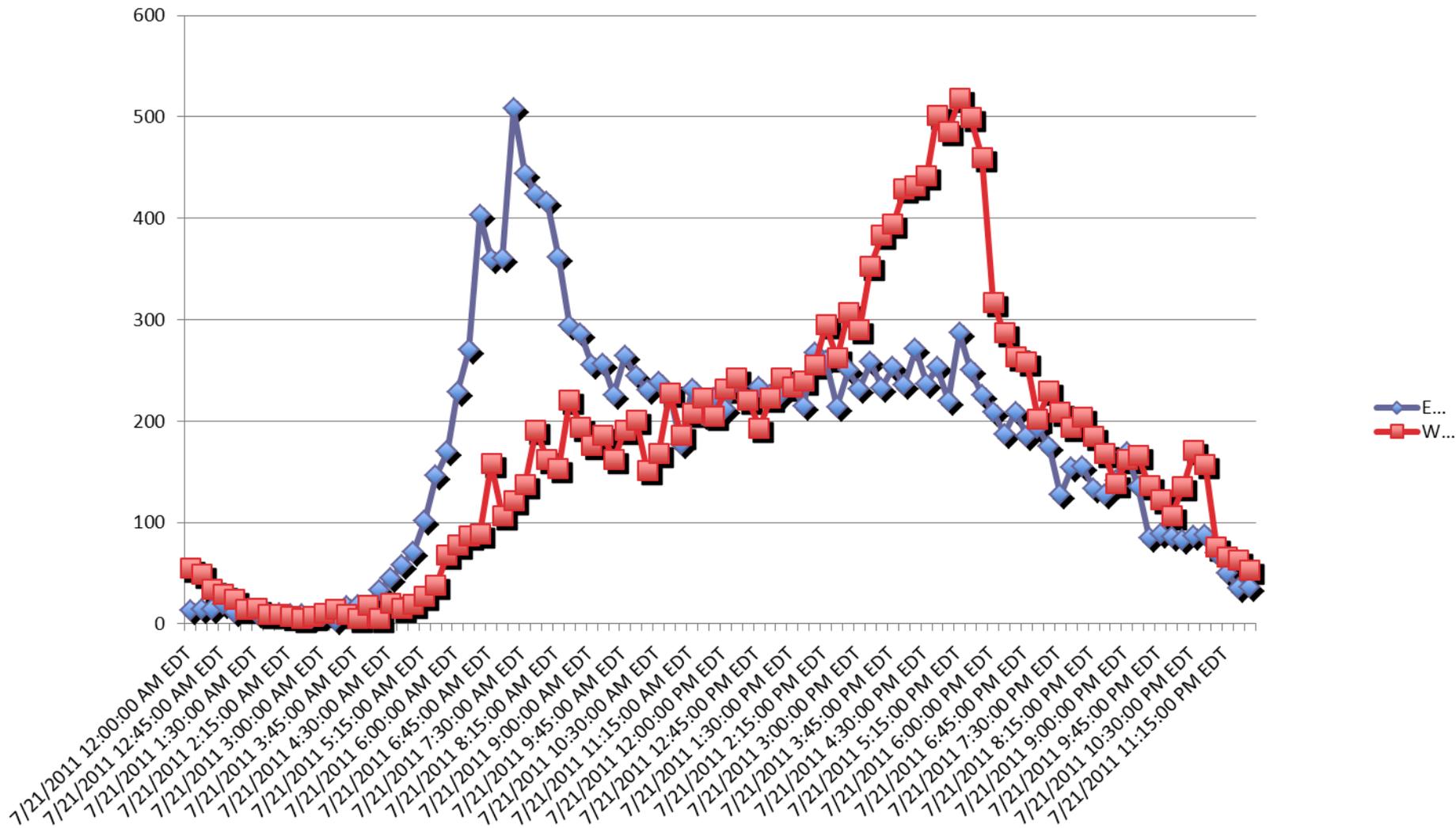
Connecticut DOT



Project 82-299 Arrigoni Bridge Rehabilitation

- Built in 1938 after Charles J. Arrigoni for \$3.5 million.
- Carries Rte 66/17 over Rte 9 and Connecticut River between Middletown and Portland
- $ADT = 33,000$ (approximately 2200 vehicles per hours during peak flow. EB in a.m. and WB in p.m.) Department figures maximum occupancy per lane to be 1500 vehicles per hour. The ADT is similar to the ADT on I-95 at the Rhode Island stateline
- Middlesex Corporation low bid \$16,946,864
- Expected Completion Date is 11/7/2012

Traffic volumes pre-construction



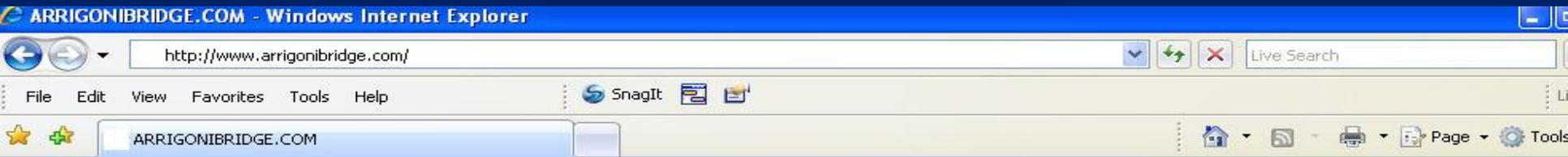
Project Impact and Solutions

- 3 Phases reducing traffic to 2 lanes for duration of Project
- Public Outreach – media, Chamber of Commerce
- Provide Real Time Motorists Information System
- Monitor System using web based solution
- Public Safety on site
- Performance and reporting

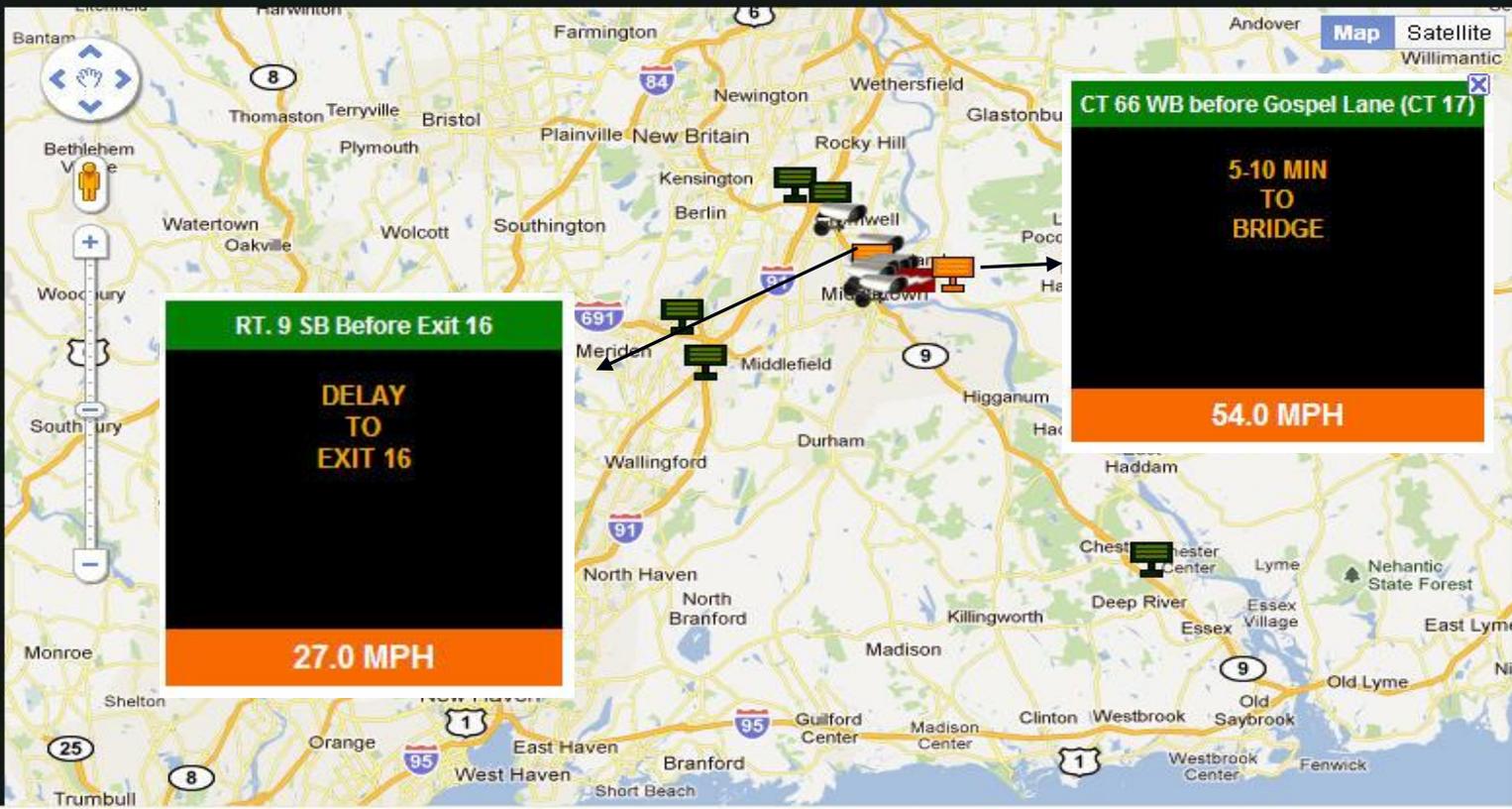
Portable WorkZone Management System (PWZMS)

- Website: www.arrigonibridge.com
- 7 Portable Variable Message Signs
- 3 Portable Cameras
- 8 Sensors
- Website Combines ConnDOT Permanent ITS
with Project ITS

Regional View



Connecticut Department of Transportation Portable Work Zone Management System



Project views:

State vi Bridge

Device list:



[CT 66 WB before Gospel Lane \(CT 17\)](#)



[CT 66/17 WB at F-40 Motorsports](#)



[CT 66/17 WB before the Bridge](#)



[CT 9 NB before Exit 6](#)



[I-691 EB at Exit 8](#)



[I-91 NB before Exit 16](#)



Portable WorkZone Management System Field Equipment

Trailer Mounted:

Portable Variable Message Signs



Portable Cameras



Portable Sensors



PWZMS

? What have we learned so far ?

- Costs - \$315,080
- Application – Highway vs Arterial
- Configuration and Management

Arrigoni Bridge Traveler Information

WEB SITES:

- Project Information www.ct.gov/dot
- PWZMS www.arrigonibridge.com
- Incident Notification E-Alert www.ct.gov/dot
- Internet Traffic Cameras www.ct.gov/dot
- Interactive Travel Information Map www.ct.gov/dot

Thank you

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