Medford

- Up To 200,000 VPD
- Built in 1960-61
- 8-Lanes
7 Bridges are spaced out within a 1.5 mile corridor
Aging Infrastructure
August 2010 – On Site Meeting
Advanced Deterioration
Initial Project Goals

- Minimize Impacts
- ABC – Innovate!
- Safety
Accelerated Bridge Construction

Saves: Time, Money, & Lives
Initial Project Goals
Outreach

- 80+ Stakeholder Meetings
- Fast 14 email Alerts
- 511 Mobile Updates & Text messages
- Online/GPS mapping
- Weekly Media Advisories
- Twitter @MassDOT
Bus Route Changes

Service Advisory

Effective Friday 07/6/11 6 PM until Monday 07/11/11 5 AM

Route 710 detour due to Webster Street Bridge Closure

For the weekend of July 8th starting at 6:00PM, the Route 710 will be detoured due to the closure of the Webster Street Bridge.

The route will omit service along Fulton Street, Webster Street and Forest Street between Fellsway West and Lawrence Road.

Service Advisory

Effective Friday 06/24/11 6 PM until Monday 06/27/11 5 AM

Route 100 detour due to Valley Street and Fellsway Bridge Closure

For the weekend of June 24th starting at 6:00PM the Route 100 will be detoured due to the closure of the Valley Street and Fellsway Bridge.

The bus stop at Valley and Fulton Streets will be relocated temporarily on the far side of the intersection. No other stops will be missed.

Massachusetts Bay Transportation Authority

For schedule information, call 617-222-3280, TTY 617-222-5146, or visit www.mbta.com
Local Detour Routes
Anderson RTC - Free Parking
Innovative ITS

[Map of Boston area with various icons indicating map features]
Real Time Traffic Info
Innovative Procurement: Design Build

- Expedited Schedule
- Incentives & Disincentives
Prep Work

1,008 Beam Seats
Prep Work

- 684 Beam-ends, De-lead, Shore, Jack And Cope
Innovate - The Design

- 14 Bridges x 18 Panels per Bridge = 252 Panels
- Utilized a 32” Closure Pour
Fabrication of Modular Units

252 Modular units cast in New Jersey, transported to MA
Emergency Access Points
The Weekend Begins

8:00 p.m. Friday – 5:00 a.m. Monday
Barrier Deployment
Counter-Flow Operation
Truck Convoy Mobilization
Deck Panels on the Move
Presidential Motorcade
Mobilizing for Demo
Highway Operations Center

- Regional Messaging
- Two-way radio comm.
Mobile Command Center

- Traffic Details
- Intersection Control
- Construction Operations
- Local Police/Fire And
- Regional EMS
Active Command Post
Video Wall at Command Post

Massachusetts Interagency Video Information System

<table>
<thead>
<tr>
<th>Video</th>
<th>Location</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td>Rte. 28 Exit 28 SB</td>
<td>AVAILABLE</td>
</tr>
<tr>
<td>116</td>
<td>Rte. 38 Exit 30</td>
<td>AVAILABLE</td>
</tr>
<tr>
<td>117</td>
<td>Rte. 16 Exit 31</td>
<td>AVAILABLE</td>
</tr>
<tr>
<td>118</td>
<td>Rte. 16 Exits 31 &amp; 32</td>
<td>AVAILABLE</td>
</tr>
<tr>
<td>119</td>
<td>Rte. 60 Exit 32</td>
<td>AVAILABLE</td>
</tr>
<tr>
<td>120</td>
<td>Rte. 28 Exit 33 NB</td>
<td>AVAILABLE</td>
</tr>
</tbody>
</table>

Next Refresh Menu Log Out
Camera 115

Image taken on: 14/07/2011 12:28:40 AM

Rte. 28 Exit 28 SB
On-Site Tow Services
Demolition Complete
Prep For Panel Installation
Panel Install Sequencing
Panel Placement
Panel Placement
Forming & Reinforcement
Concrete Closure Pours
Lessons Learned

- Involve key decision makers from the start
- Co-locate with Design-Build contractor
- Form discipline-based working groups
- Work with locals regarding impacts/expectations
- Engage law enforcement early
- Develop/exercise contingency plans
- Practice key work activities
- Adjustments (TMP, Construction, & Messaging)
- Optimize Communication
Teamwork
Teamwork
Accelerated Bridge Construction

- **Time Saved:** Procurement to Substantially Complete in Less Than Year
- **Money Saved:** Road User Costs and the Time Value of Money
- **Lives Saved:** Safer Work Zone

**ABC:** *The New Norm at MassDOT*
Contact Information

Andrew K. Paul, E.I.T., MBA
andrew.paul@state.ma.us
(857) 368-9437
@andrewkpaул