

MEMORANDUM

TO: Richard A. Davey, Secretary & CEO
FR: Frank DePaola, Highway Division Administrator
RE: Ongoing Work in the MHS Tunnels
DA: December 23, 2011

To follow is a summary of maintenance and construction activities performed last week in the Metropolitan Highway System tunnels.

Please feel free to contact me if you need additional information.

Overnight work:

- Workers recently installed approximately 3,000 linear feet of temporary barriers in the I-90 Tunnel Eastbound. The temporary barriers are in place to protect a work zone East of the Prudential Tunnel. The work zone is in place as part of a larger series of upgrades to the Prudential Tunnel. Workers are preparing for the demolition phase of that series of upgrades.
- MassDOT and the Massachusetts State Police inspected the area near Beacon Park and the Exit 22 ramp as part of a joint effort to provide an accurate census of the homeless population in Boston. The area at and near Exit 22 has a history of homeless activity.
- Workers completed repairs to the AM rebroadcast antenna in the ceiling of the O'Neill Tunnel Northbound. The repairs were necessary because of an overheight vehicle strike.
- Workers have almost completed installation of the catchment net system and related work in the Prudential Tunnel Eastbound. The netting prevents flaking concrete from falling to the roadway surface. MassDOT has installed approximately 9,200 square feet, with approximately 800 square feet remaining to be installed.
- Workers removed spalled concrete in the Prudential Tunnel Westbound to prevent it from falling to the roadway. Workers removed from the ceiling chunks of concrete totaling approximately 15" x 18" x 60" and weighing about 750 lbs. total. The area was cleaned and new reinforcement installed. New concrete was poured and the ceiling restored to its previous strength and appearance.
- Contractors made tunnel joint repairs in the area of Ramp R-T, linking Essex Street to I-93 Northbound. The work is part of MassDOT's ongoing efforts to repair water infiltration. Workers continued repairs on three construction joints.
- MassDOT repaired a cross-passage door in the I-93 Northbound Tunnel near Exit 23. Cross-passages link parallel sections of the tunnel system.
- In the same area, MassDOT repaired a camera that had motion control problems.
- MassDOT performed a routine inspection of the Tremont Street Bridge over I-90 Eastbound.

- MassDOT performed maintenance and housekeeping work in a fan room in the Prudential Tunnel Westbound.
- MassDOT's environmental section continues to clean out a pump station in Vent Building 4. The project is nearing completion.
- Workers continued lamp replacement in the area of Ramps D and F-D near I-93 and Congress Street and the Ted Williams Tunnel Westbound.
- Workers also replaced lamps along Ramp B (South Boston Seaport District to I-90 Westbound). In this area, workers replaced 8 cases of 8' lamps, 2 cases of transition lighting lamps and three cases of sodium lighting.
- MassDOT completed installation of the carbon monoxide monitoring system in the Prudential Tunnel Eastbound.