

In this high profile, fast-tracked 13 month project, JHM completed the full demolition and reconstruction of the Mass Turnpike Toll Booth Plazas 1 & 2 in Lee and West Stockbridge, MA. The project was part of a statewide MassDOT initiative to remove all 23 MA Pike toll plazas and replace them with electronic gantries that “read” transponders in vehicles and calculate tolls electronically. Throughout the project all JHM work progressed on or ahead of schedule.

Overall, the constant, fast pace of JHM’s work scope involved the following metrics: 29,000 CY of earth excavation; 27,000 CY of rock removal; 23,000 CY of rock and demolition debris recycling to create gravel for roadway subbase; over 200 drainage structure installations; more than 11,000 FT of drainage pipe; 5,000 FT of fiber optic duck banks (over 85,000 FT of conduits); 93,000 SY of pavement milling; over 36,000 tons of asphalt laid; over 1 mile of asphalt saw cutting; over 4 miles of granite curbing installation; 33,000 ton of new pavement; 8.5 miles of line striping; 22,000 FT of guardrail work; 5,000 CY of topsoil; and over an acre of seeding and landscaping.

Additionally, throughout the project duration, JHM implemented extensive traffic control measures, including installation of more than 8 miles of traffic barriers, signage, arrow boards, message boards, impact attenuators, truck mounted attenuators, traffic police, reflectorized drums, cones and temporary line painting. New lighting systems were installed throughout the project that included 38 light poles and foundations, 13 electrical manholes, over 7,600 FT of conduits and 33,000 FT of direct buried cables.

In Phase 1, JHM crews worked 24/7 in an 8 day ‘Go Live’ period where JHM diverted traffic to the side lanes on I-90 and abated and demolished the Plaza 1 toll booths, gantries, and tunnels in the center of the main highway. Once the demolition was complete and tunnels backfilled, JHM paved and free flowing traffic was allowed through the center of where the toll booths once stood. Phase 1 was completed on budget and ahead of schedule, with 100% of the incentive goals achieved.

In Phase 2, Maxymillian consistently worked 2 shifts to complete the intensive work scope that included: demolition of the Toll Plaza 2 booths, gantries, tunnels, and abatement and demo of administration and utility buildings; widening the highway for a truck turnout area; and constructing a ½ mile extension to the on-ramp for vehicles to gain highway speeds before merging. Ramp work included blasting and excavation of two large ledge areas, and the removal and replication of wetland areas.

JHM implemented the MassDOT multi-phased schedule, designed to ensure the safety of drivers and work zone crews, and minimize traffic disruption. JHM completed the project in only 13 months and met all major milestones.

**PROJECT
AT-A-GLANCE**

LOCATION

West Stockbridge
and Lee, MA

CONTRACT VALUE

\$17,000,000

KEY HIGHLIGHTS

- Completed ahead of budget and schedule
- Achieved 100% of MassDOT incentive goals
- Successfully addressed the major project challenge: traffic control

I-90 Toll Booth Demolition (cont'd)

Massachusetts Department of Transportation



Crews working around the clock for 8 days in "Go Live" period



JHM removed 27,000 CY of rock