

Footprint Bridge Program – 5 Bridges in Various Towns Hingham, Townsend, Gardner, Pittsfield & West Tisbury; MA

Project Description:

Location

Hingham, Townsend, Gardner,
West Tisbury; MA

Owner

Alex Bardow
MHD
(671) 973-7571

Duration

2005-Present

Prime/Sub

Prime

Project Cost

\$5 million

AI Engineers Inc. was retained by Massachusetts Highway Department to provide bridge design and roadway/intersection improvement services under the MHD Footprint Program at sites in the towns of Hingham, Townsend, Gardner, Pittsfield and West Tisbury, MA. These projects required stage construction with detour and MPT of the roadway. The roadway approaches to the bridges were redesigned to meet current AASHTO/MHD safety standards, and at several locations, it required realignment and intersection improvements.

Scope of work included preparing concept plans, preliminary design construction plans, special provisions and construction cost estimates for the replacement of the existing bridges and roadway improvements. The project required drainage system design for the reconstructed section of roadway. Development of Traffic Control Plans, Erosion/Sedimentation Control Plans, Environmental Permitting, Preparation, and Utility Coordination. Preparation of Public Hearing Plans and made presentations at public hearings.

Environmental analysis and permit preparation included early coordination with local commissions, NEPA category determination & documentation for categorical exclusion, ACDE Programmatic General Permit, Water Quality Certification, Section 4 (f) estimation and wildlife/biological assessments. As part of the assignments, easements and right-of-way plans were prepared for the necessary roadway/bridge improvements.



Salient Features

- Roadway/Bridge Design
- Prepare Concept & Preliminary Plans
- Construction Plans
- Cost Estimate
- MPT for Stage Construction/Traffic Controls
- Paving Plans
- Pavement Markings
- Detour Plans
- Storm Drainage Design
- Utility Coordination for Gas, Sewer Force Main, Electrical and Water
- Erosion/Sedimentation Control Plans
- Environmental Permits