



DEPARTMENT OF
PUBLIC WORKS

Project: Middlesex Turnpike/Crosby Drive Transportation
Improvements Project (Tri-Town Project)
MassHighway TIP Project

Contact Person: Kelley Conway, Engineering Division

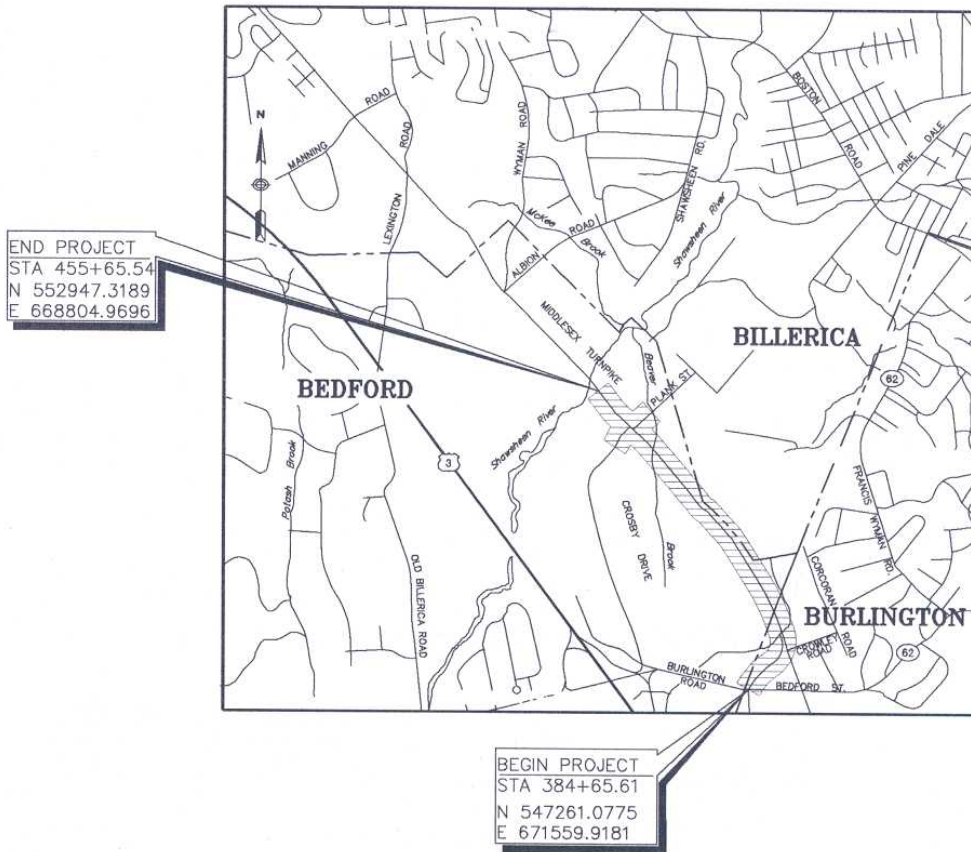
This project consists of transportation and drainage improvements along the Middlesex Turnpike – Phases II and III. These phases include expansion of the existing two-lane roadway to a four-lane road with turning lanes on a 2.6 mile section of the Middlesex Turnpike between Route 62 and the intersection with Manning Road; the MITRE Link, between Middlesex Turnpike and Network Drive; a 6-foot wide sidewalk along the length of the turnpike; drainage system improvements; culvert replacement at the Shawsheen River; the relocation of Plank Street; wetland replication and flood compensation areas.

This project is a joint collaboration with the Towns of Bedford, Burlington and Billerica. Vanasse Hangen Brustlin, Inc (VHB) of Watertown, MA is the engineering firm designing the project.

Phase II is 100% designed with an approximate construction cost of \$14,000,000.00. This project is planned to be funded through the 2009 Transportation Improvement Program for the Boston Metropolitan Planning Organization. The Towns have secured the Right of Way necessary to complete the project. The environmental permitting has been obtained. On 9/19/2009 the project was advertised for construction bids.

Phase III is 75% designed with an approximate construction cost of \$16,000,000. This project is planned to be funded through the 2010/2011 Transportation Improvement Program for the Boston Metropolitan Planning Organization. The Town of Bedford has secured the necessary Right of Way for this project and is in the process of re-securing the temporary easements. The town of Billerica is in the process of securing the necessary easements to complete the project.

Phase II Project area shown below:



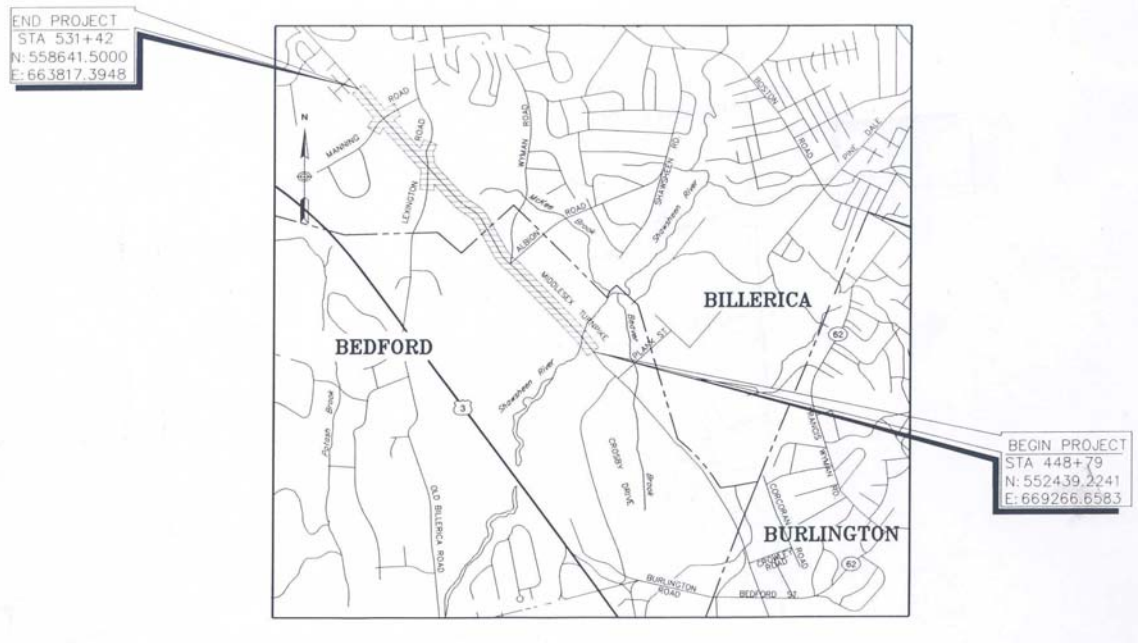
Scope of Work - Phase II:

The work under this phase of the project consists of transportation improvements to Middlesex Turnpike in the Towns of Burlington and Bedford. The limits of work on Middlesex Turnpike begin at Route 62 opposite Network Drive, approximately 1,300' west of the Route 62/ Middlesex Turnpike intersection. A new four-lane roadway (MITRE Extension) will be constructed creating a four-leg intersection with Network Drive and Route 62. MITRE Extension extends approximately 1,250' northeasterly through MITRE property to a point just south of the Bedford/Burlington town line where it rejoins the existing Middlesex Turnpike. From this point the project extends approximately 1.0 mile to a point 300' south of the Shawsheen River in Bedford.

The proposed improvements include construction of the MITRE Extension, a new four-lane median divided roadway section on a new alignment, the widening of existing Middlesex Turnpike from a two-lane roadway to a four-lane roadway with the addition of a raised median, protected left turn lanes, traffic signals and sidewalk. Also included is the realigning the Crosby Drive/ Middlesex Turnpike/Plank St intersection.

The work includes unclassified excavation, embankment, full depth hot mix asphalt pavement, cold plane and hot mix asphalt overlay, drainage, storm water management systems, granite curb and edging, highway guard, cemented stone masonry retaining walls, pavement markings, signs, traffic signal system, reconstruction of existing traffic signal system, landscaping and other incidental work.

Phase III Project area shown below:



Scope of Work – Phase III:

The work under this phase of the project consists of transportation improvements to Middlesex Turnpike in the Towns of Bedford and Billerica. The limits of work on Middlesex Turnpike begin in Bedford approximately 700' south of the Shawsheen River, and extend approximately 1.5 miles to a point approximately 900' north of Manning Road in Billerica. The work also includes modifications to and realignment of Lexington Road and Manning Road in Billerica, approximately 550 feet on each approach to Middlesex Turnpike.

The proposed improvements include widening of existing Middlesex Turnpike from a two-lane roadway to a four-lane roadway with the addition of a raised median, protected left turn lanes, traffic signals and sidewalk. Reconstruction of the bridge over the Shawsheen River is included with this project.

The work includes unclassified excavation, embankment, full depth hot mix asphalt pavement, cold plane and hot mix asphalt overlay, drainage, storm water management systems, granite curb, highway guard, reinforced concrete retaining wall, cemented stone masonry retaining wall, pavement markings, signs, traffic signal system, reconstruction of existing traffic signal system, landscaping and other incidental work.