

## Route 110/113 Interchange Dracut/Methuen, Massachusetts

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### Description

Fitzgerald & Halliday, Inc. (FHI) is part of a project team studying the Route 110/113 Rotary Interchange in Methuen, Massachusetts. Methuen is a community of 43,000 residents located thirty miles north of Boston. The Massachusetts Executive Office of Transportation (EOT) is coordinating the transportation planning study at Exit 46 on I-93 to improve the Routes 110/113 Rotary and surrounding area in the City of Methuen. Transportation impacts of industrial development along Route 113 in Dracut, which uses the rotary to access the regional interstate system, is also included as part of the study. The study area contains a complex network of roadways functioning together as part of an existing interchange system with I-93. The product will be a set of recommended short-term and long-term improvements for the study area, including signal timing improvements, new roadway configurations, and access management.

FHI role in the study includes the evaluation of traffic operations and directing a comprehensive public participation plan. The public participation plan includes the development and maintenance of a public website ([www.methuenrotarystudy.org](http://www.methuenrotarystudy.org)), public information meetings, and publicity for the project with posted flyers, local cable access and media press releases. The traffic review includes modeling of existing rotary conditions and potential improvement to the rotary. The rotary currently is configured as a diamond interchange with the ramps terminating at the rotary. There are four entering legs and four exiting legs. The rotary provides approximately 26 feet of travel lane width with additional width provided between each entrance into the rotary and the following exit. By visual inspection, the sight lines appear to be insufficient for prevailing speeds with the bridge piers providing a horizontal obstruction for vehicles utilizing the rotary. Striping has been added to the rotary to define two lanes. Intermittent solid white and dashed white lane lines delineate the two lanes. Also, painted arrows have been added to further aid in defining circulation.

### Client

Massachusetts Executive Office of Transportation

