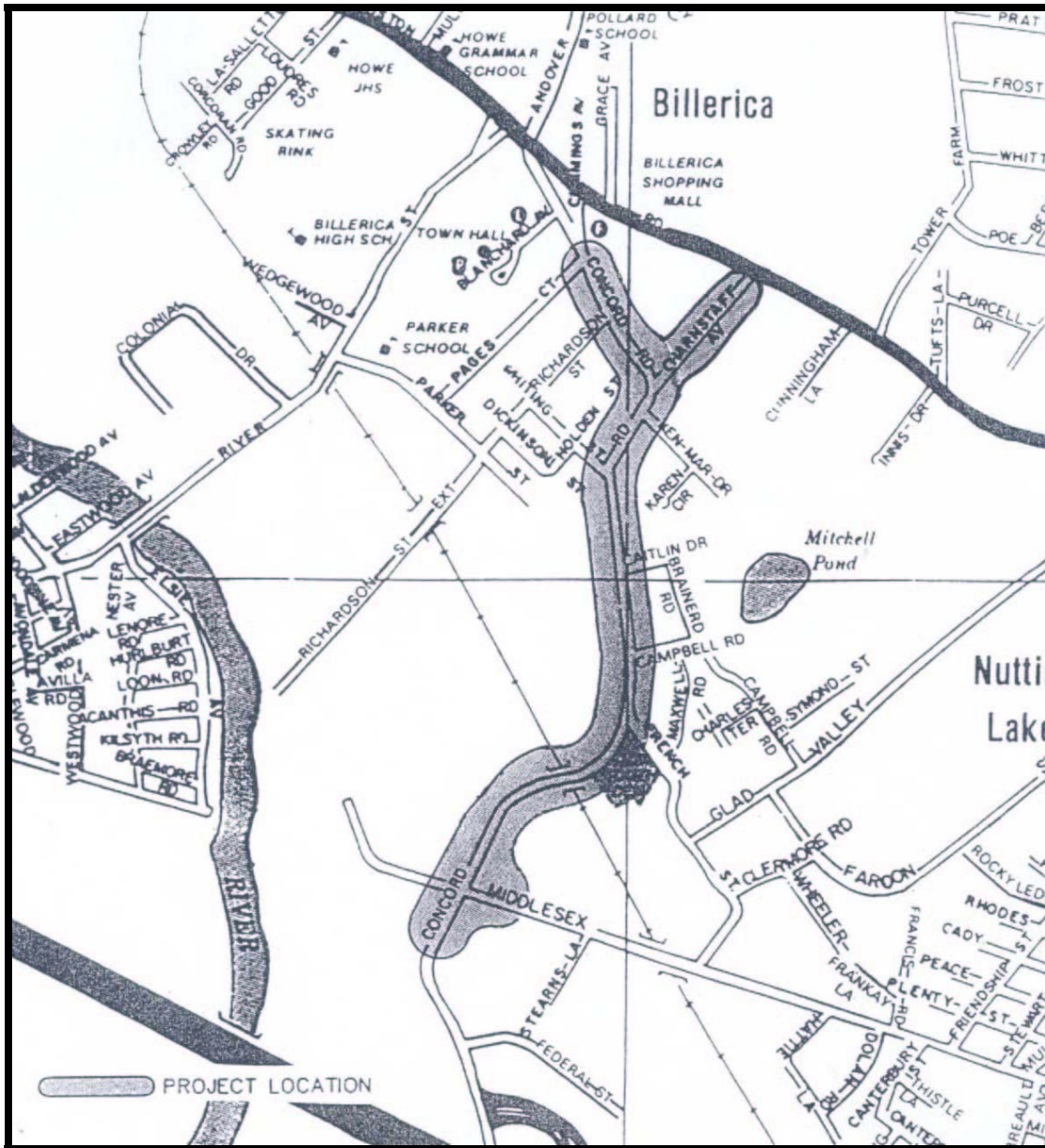




DEPARTMENT OF
PUBLIC WORKS

Project: Reconstruction of Concord Road Phase II
MassHighway TIP Project
Contact Person: Diana MacLeod, Engineering Division

The purpose of this project was to improve vehicular and pedestrian safety and improve traffic operations through the project corridor. The project involved the reconstruction of approximately 2,100 meters (1.3 miles) of Concord Road from Middlesex Turnpike to Cummings Street, and Charnstaffe Lane from Concord Road to Boston Road (Route 3A). The project locus map is shown below.



Project Location Plan

Along with roadway reconstruction, the project included horizontal and vertical geometry improvements for improved sight distances along the corridor, and drainage improvements. A sidewalk was installed the entire project length of the roadway. A new traffic signal is installed at the intersection with Middlesex Turnpike.

The Dow Company was awarded the contract for the project in 2006. Construction continued under the direction of MassHighway.

In November 2006, Charnstaffe Lane was regraded and new curb was installed. Concord Road was temporarily realigned and the drainage installation began. Utility poles were scheduled for relocation by Verizon/National Grid, after which sidewalk installation began.

In 2007, the drainage installation and reconstruction of Concord Road continued in three phases and by October, 2007 the base course paving was complete. Utility poles were still being relocated by Verizon/National Grid.



Charnstaffe Lane



Concord Rd – utility pole issues



Concord Road Reconstruction



Middlesex Turnpike- curb installation



Concord Road – sidewalk preparation

Binder course paving was installed in May 2008. Sidewalk and curb installation was waiting on the utility pole relocations. By the end of the fall, most of the curb installation and placement of concrete sidewalk was completed. Cabot Corporation, as part of their expansion project, worked concurrently with MassHighway and the contractor to modify the Concord Road intersection with Middlesex Turnpike.

The top course roadway paving was installed in November 2008 following the completion of curbing and sidewalk installation and the relocation of the utility poles.



The installation of the proposed tree and shrub plantings was completed in October 2008. The project was completed in the winter of 2008/2009. The total project cost was over \$5.5 million.