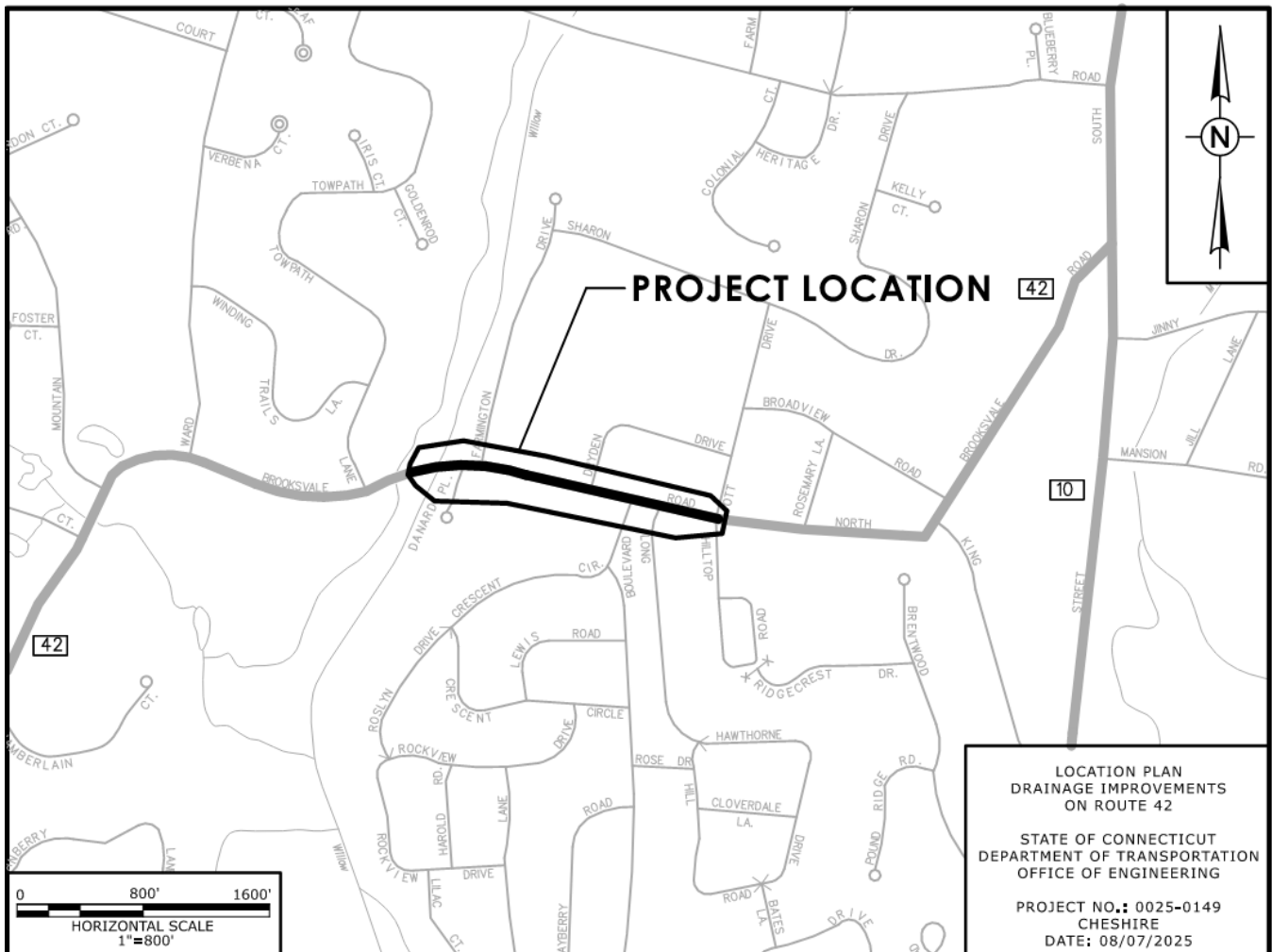


PROJECT DESCRIPTION
State Project Number: 0025-0149
Drainage Improvements on Route 42
Town of Cheshire

PROJECT LOCATION:

This project is located in the Town of Cheshire on State Route 42, North Brooksvale Road, from approximately MM 12.58 to MM 13.13, between the Lock 12 Park parking lot entrance and Ott Drive.



Project Location

2800 Berlin Turnpike
P.O. Box 317546
Newington, CT 06131-7546
860-594-2000

EXISTING CONDITIONS:

The project area is largely residential except for Norton Elementary School and the Southington Cheshire Community YMCA. The Farmington Canal Heritage Trail crosses Route 42 at the western limits of the project. Route 42 (North Brooksvale Road) is classified as a Minor Urban Arterial and has a posted speed limit of 25 mph. Route 42 runs in an east/west direction and is posted as a “No Thru Trucks” route between its intersections with Route 69 and Route 10. The Average Daily Traffic (ADT) on Route 42 varies between 4,000 vehicles per day west of Danard Place and 5,400 vehicles per day east of Hilltop Avenue. Route 42 has one lane in each direction with lane widths varying from 10 to 12 feet and shoulder widths varying from less than 1 foot to 5 feet. There are sidewalks on both sides of the roadway throughout the project limits except for a 500’ gap on the north side of Route 42 between the Farmington Canal Heritage Trail and Farmington Drive.

This location is subject to frequent flooding dating back to early 1990’s. During several storm events, the CTDOT has had to close the road causing disruption and safety issues to the traveling public. A previous effort to improve the drainage on Route 42 by the Department involved the installation of a double grate catch basin in front of the 372/366 North Brooksvale Road properties, which according to the residents has helped during smaller storms and is less susceptible to clogging but has not solved the problem during larger storms.

PURPOSE AND NEED:

The purpose of the project is to reduce flooding along Route 42, particularly in the vicinity of 372 North Brooksvale Road and the Long Hill Road and Avon Boulevard intersections by increasing the capacity of the stormwater drainage system. This project is needed because the existing drainage system along Route 42 is unable to adequately convey larger storm events without causing flooding to the intersections and surrounding private properties.

DESCRIPTION:

The proposed improvements include upgrading the existing 24-inch reinforced concrete pipe (RCP) main drainage trunk line to a 48-inch RCP. Additional catch basins will be installed at low points to reduce stormwater spread into the travel way, particularly at the Long Hill Road and Avon Boulevard intersections. All other State catch basins and manholes within the project limits will be replaced due to the age of the structures. The existing 24-inch outfall will be replaced with a 48-inch pipe end wall and the outlet protection will be resized to accommodate the proposed flow. Route 42 will be resurfaced curb to curb within the project limits including the replacement of affected driveway aprons.

ADA compliant sidewalk ramps and crosswalks are to be installed at all existing sidewalk ramps that do not comply with the ADA requirements within the project limits.

RIGHTS OF WAY / ENVIRONMENTAL PERMITS:

Rights of Way involvement is anticipated for construction easements and drainage rights of way at the Lock 12 Park parking lot for the replacement of the existing drainage trunk line and end wall at the system outlet. Partial property acquisitions are anticipated for sidewalk reconstruction.

The drainage outlet work will require coordination with DEEP Inland Wetlands and U.S. Army Corps of Engineers (USACE), and U.S. Fish and Wildlife (USFWS) due to potential presence of the Northern Long Eared Bat.

PROJECT SCHEDULE:

The project schedule is subject to the availability of funding and obtaining the required permits.

FDP: 3/17/2027

DCD: 4/28/2027

ADV: 5/26/2027

PROJECT COST (CONSTRUCTION):

This project will be funded with 80% federal and 20% state funds.

Estimated Construction Cost: \$5,240,000