

CASE STUDY

Beyond the Highway

Salem, NH

OWNER

New Hampshire DOT, Concord, NH

INSTALLATION DATE

October 2015

ENGINEERS

New Hampshire DOT, Concord, NH

PRODUCTS

190,360' (58,021 m) of 6"-36" (150-900 mm) N-12®

CONTRACTORS

Audley Construction, Bow, NH

George R. Cairns & Sons, Inc., Windham, NH

Weaver Brothers Construction, Co. Inc., Bow, NH

The Middlesex Corporation, Littleton, MA

DESCRIPTION

To reduce congestions and improve safety from Salem to Manchester, the New Hampshire DOT widened and reconstructed a 1.3-mile (2 km) northbound stretch of I-93 and a 1.8-mile (2.9 km) southbound run at I-93's Exit 2. The reconstruction created three lanes in each direction.

Water quality permits for the reconstruction require strict standards for stormwater treatment with no net increase in total suspended solids (TSS), phosphorous or nitrogen. Stormwater collection systems will gather runoff and convey the stormwater runoff to treatment areas to protect the area's numerous creeks, ponds, brooks and lakes.

Over 190,000' (58,000 m) of N-12 pipe was chosen for the project. N-12 was the product of choice based on structural and durability performance, competitive costs and the ability to withstand the soil's corrosive nature. Being able to provide corrosion and chemical resistance, means N-12 gives a long-term advantage over other materials.



Photo courtesy of New Hampshire DOT.