

# Largest Project in CT to Date

The Connecticut District of Transportation (CTDOT) is improving traffic flow along Interstate-84 in Waterbury, Connecticut, with the goal of easing the progressive volume of congestion. With the additional lane widening, the CTDOT required a new noise wall to protect the community of Waterbury from the expected increase in noise pollution as a direct result.

Being the largest Durisol® project with the CTDOT to date, it also came with its fair share of challenges to overcome.

With much of the design incomplete, the project forged ahead as a sort of design-build to meet the 2018 completion date. As the design was completed, construction could move ahead, but this had an impact on scheduling right across the engineering, design, and drafting of the project. Even the shipment of the materials from Durisol felt the start-stop delays.

As one of the three eligible fabricators that were qualified to bid on this complex project, Durisol was selected based on previous experience with the subcontractor, the Quaker Company, on prior work. Durisol could also provide the entire wall system - panels, posts, anchorages, design and all.

**OWNER**

Connecticut DOT

**GENERAL CONTRACTOR**

I-84 Constructors

**INSTALLATION CONTRACTOR**

The Quaker Company

**ENGINEER**

Amman & Whitney

**LOCATION**

Waterbury, CT



This turnkey system was of great benefit to the contractor because it meant that they would not have to source the various components of the wall from different suppliers and could rely on a single-source supplier. It also meant one less potential delay, as the Durisol team could coordinate optimize efficiencies within the deliver.

The in-house team design all of the walls from the ground up, including the foundations for the embedded posts and structure mounted walls. There was only a small section of the continuous wall that wasn't designed by Durisol as it was a ground-mounted wall that went around an existing barrier wall. This wall was too old to support the load of a new wall and so the new wall was built on elevated ground-mounted panels just beside it.

*[Below] Natural stone Durisol pattern on highway-side*



Find out how **Durisol** can be used on your next project. **Contact us today.**

Durisol® is the market leader in the noise barrier wall industry. We manufacture and supply a series of unique panel and post wall systems – including our Durisol® precast sound absorption panels and transparent ACRYLITE™ Soundstop sheets, as well as narrow footprint retaining walls and fire-rated barriers. Our first noise barriers were installed in Canada in 1977 and in the US in 1986 and are all still in service today. With over 40+ million square feet of wall installed to date, Durisol® noise barriers stop the noise of industrial warehouses, utility enclosure sites and urban infrastructure of all kinds right across North America.