

JERSEY CITY ROADMESH

JERSEY CITY - NEW JERSEY - U.S.A.



TYPE OF PROJECT
**Asphalt Pavement
Reinforcement**



YEAR OF CONSTRUCTION
2020



CLIENT
**IWT CARGO-GUARD
INC.**



PROD. RELATED
**MacGrid AR
(Undefined)**



CONTRACTOR
**GEORGE HARMS
CONSTRUCTION
COMPANY INC.**



DESIGNER
**NEW JERSEY STATE
DEPARTMENT OF
TRANSPORTATION**

Challenge

The New Jersey Department of Transportation began reconstructing routes 1 and 9, a heavily traveled truck route, in the Jersey City area. The work involved adding on and off ramps for local traffic to access routes 1 and 9. The old and damaged asphalt roadway was also replaced. The road is a main route for trucks accessing and exiting the nearby airport cargo area, the seaport, transfer stations, and commuter traffic into New York

City. Due to the heavy traffic, the New Jersey DOT wanted a product to help reinforce the new roadway. They were looking for a product that could withstand the load pressures from the constant truck traffic and help extend the lifespan of the newly paved road, minimizing the damage associated with the truck traffic, such as cracking and rutting.



Rolling out the Roadmesh for placement



Roadmesh is cut to go around existing utilities

Solution

The New Jersey DOT chose to use the Maccaferri Road Mesh Type "L" to be installed under the new roadway. The strength and flexibility of the Road Mesh reduces the cracking and rutting of the new roadway by absorbing the load pressures of the vehicle traffic and

dispersing it more evenly over a greater area. This increases the time between maintenance and repairs to the roadway, saving the New Jersey DOT time and money.



Slurry seal being placed on top of roadmesh



Roadmesh installation



Completed Roadway