

# FORM-A-TREAD®

SUPERIOR SAFETY, TRACTION & VISIBILITY

## PEDESTRIAN SLIPPING HAZARD – SECURITY GATE CROSS WALK: State Agency Facility – October 2017

**Client:** Cushman & Wakefield on behalf of  
The Port Authority of NY & NJ  
**Site:** Liberty Street, WTC 9/11 Memorial  
**Area Addressed:** Steel Plate in Crosswalk  
**Problem:** Slippery Surface over retracted bollards  
**Product:** Form-A-Tread® Original, Black & Safety  
Yellow  
**Days to Complete:** 1 day



Liberty Street provides vehicle and pedestrian access to the World Trade Center, the 9/11 Memorial and Liberty Park in the Battery Park section of downtown Manhattan. It is an extremely busy area—under high security. Vehicle traffic into the WTC facilities is strictly monitored and controlled through a security gate that utilizes Raptor bollards that retract below the street surface to permit vehicle access. Each bollard has a hydraulic mechanism that raises and lowers it, and each is covered by a steel plate that is mounted flush with the street surface. These metal plates are very slippery to pedestrians. Because these plates are run over by hundreds of delivery and service vehicles each day, and endure direct sunlight, dirt, snowplows and ice melt chemicals, Cushman & Wakefield asked us to conduct a test installation. We installed Form-A-Tread® Original as a solid coating, in alternating diagonal black and Safety Yellow stripes, to create a visual and anti-slip surface.

**Form-A-Tread® passed the test! After 1 year at the WTC, Form-A-Tread® was completely intact, providing excellent visibility and traction for pedestrian traffic.**



Div. of RFG Manufacturing  
Phoenixville, Pennsylvania 19460  
[www.form-a-tread.com](http://www.form-a-tread.com)

We've spent years worrying about slips, trips and falls so you don't have to!