

T-WALL[®]

RETAINING WALL SYSTEM



THE NEEL COMPANY

Engineering, Materials, & Technical Support
for Railroads, Highways, & Waterways

Inverted T-WALL[®] Utilized on AREMA 2017 W. W. Hay Award-Winning Project



For the third year running a project that included the T-WALL Retaining Wall System in its design has received the prestigious W.W. Hay Award. AREMA selects the winning project based on innovation, safety, and project reliability.

The 2017 W.W. Hay Award was presented to BNSF and WSDOT for the *Improvements for Passenger Rail Service and Reliability on BNSF Railway in Washington State* project – a massive seven-year project that brought improvements to the line between Vancouver, WA and the Canadian border. T-WALL and Inverted T-WALL were constructed as part of the third track initiative between Kelso, Martin's Bluff, and Longview Junction on Tasks 4, 5, and 6. The Neel Company considers all aspects of a project when engineering T-WALL, and for this project overcame site specific geotechnical challenges and achieved a cost-effective solution.

The Task 5 portion of this project marked the inaugural use of the new Inverted T-WALL product. Inverted T-WALL is an innovative solution in which the shortest possible T-WALL units are placed at the bottom of the retaining wall structure and successively longer units are stacked on top. Inverted T-WALL offers significant advantages for highway and rail, including reduced excavation and shoring.

Existing tracks remained open during construction as Inverted T-WALL significantly reduced encroachment within the permissible excavation zone requiring shoring for railroad surcharge loading. Because both T-WALL and Inverted T-WALL can be constructed within their own footprint, BNSF was able to build the additional third track within the existing tight right-of-way – an area flanked by active tracks and wetlands.

Read more about [Inverted T-WALL](#)

View more Task 5 [photos](#)

Contact us to discuss
an innovative
T-WALL solution for
your project needs.

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VISIT US



APC/PennDOT Fall Seminar
November 15–17, 2017
Hershey, PA
Booth #23

The Neel Company Creates New Rail Division



In June 2017, The Neel Company created a new dedicated Rail Division, hiring Paul Michiels, PE, to manage it. Paul brings over 25 years of railway engineering experience having worked with multiple consulting firms for Class I and short line railroads, intercity and commuter agencies, and private industry customers.

NY ❤️'s T-WALL: Multiple Major New York Area Bridge Projects Open for Traffic



GOV. MARIO M. CUOMO BRIDGE

The first half of the new Gov. Mario M. Cuomo Bridge opened in late August 2017. Scheduled for completion in 2018, the new structure will replace the 62-year-old Tappan Zee Bridge. T-WALL was selected for use because of its long service life, phasing ability, rapid construction, and ability to construct in tight areas around existing structures. To date, T-WALL approaches, wingwalls, and access ramps have been constructed.

[READ MORE](#)



DJ Hogan joined The Neel Company in 2016 and is now bringing his valuable experience to the Rail Division. Located just outside Chicago, DJ has over 22 years of rail experience and is the 4th generation of his family to work in the rail industry.

Other Recently Completed T-WALL Projects



I-95/I-276 Interchange
Bristol, PA
[Learn more](#)



Salem Creek Connector
Winston-Salem, NC
[Learn more](#)

GOETHALS BRIDGE

The first span of the new Goethals Bridge—complete with wider lanes and shoulders—opened in June 2017. T-WALL was selected for use on the bridge approaches and pile-supported abutments because it could meet both the 150-year service life requirements and the aesthetic finish parameters set forth by the Port Authority of NY and NJ. [READ MORE](#)



KOSCIUSZKO BRIDGE

Located between Brooklyn and Queens, NY, the \$555 million Kosciuszko Bridge Design-Build project opened its first bridge span in April 2017. T-WALL was selected in part because it could meet the unique service life requirements of the project. [READ MORE](#)



RFK BRIDGE

MTA has committed \$1 billion in improvements to the RFK bridge complex through 2026. For the East 125th St. Manhattan entrance and exit ramps, The Neel Company engineered a T-WALL and lightweight geofoam backfill solution that eliminated costly ground improvement and hazardous material removal. [READ MORE](#)



Schuylkill Co.
SR 3004-Sec. CWR
Cressona, PA



Route 133
Bridgewater, CT



Scudder Falls Bridge
Approach
New Hope, PA

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You are receiving this email
because we thought you
would like to know more
about T-WALL.

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