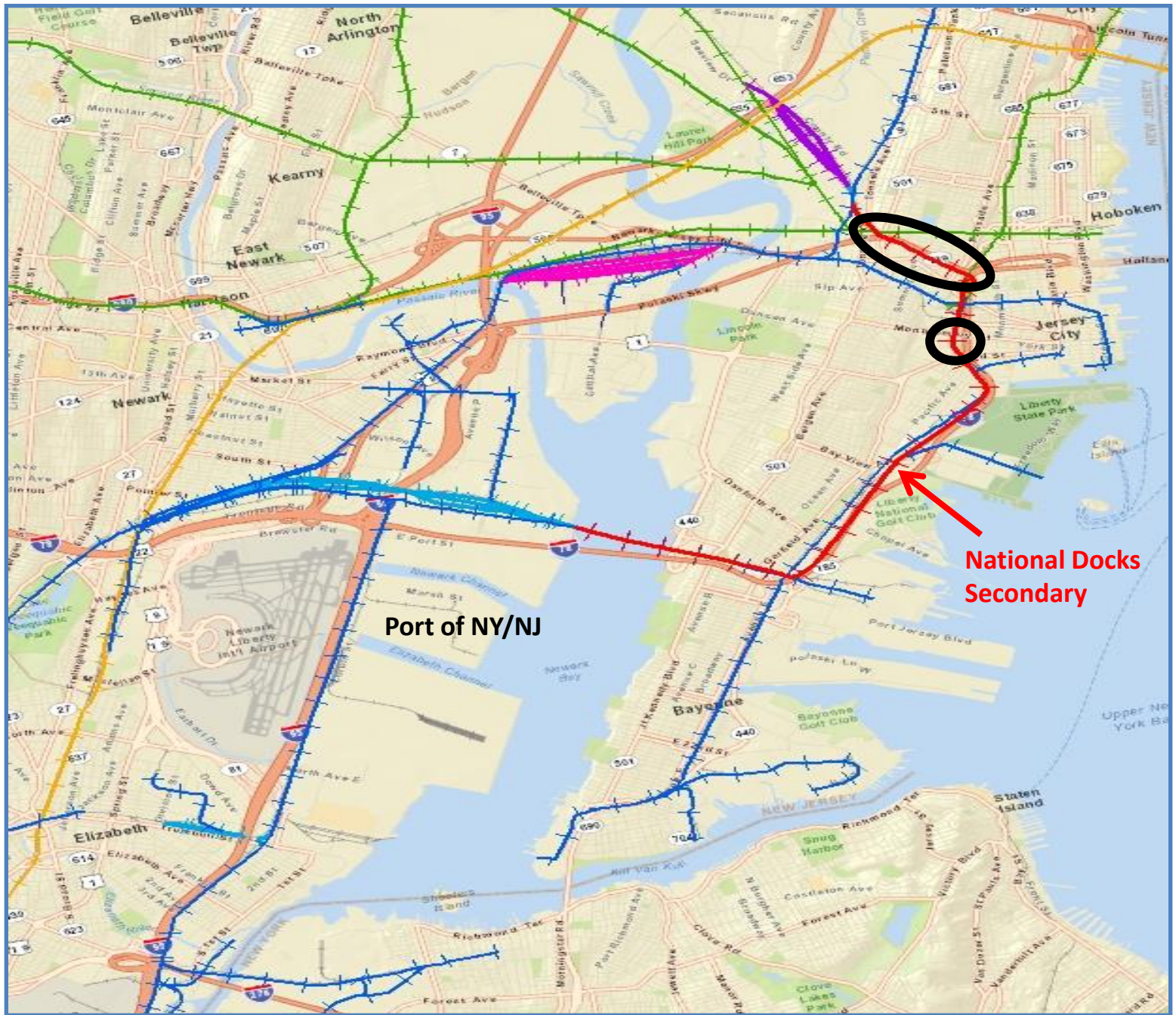


**Mr. Timothy Tierney**  
**Vice President/Chief Engineer - CONRAIL**

# **National Docks Clearance Project**

**February 2012**





Port of NY/NJ

National Docks  
Secondary







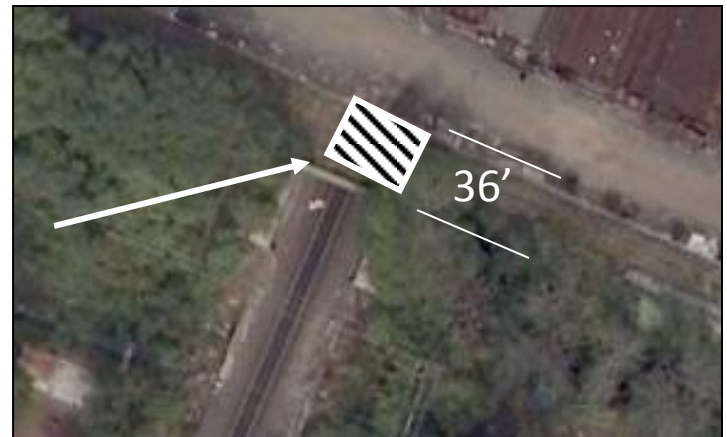




WALDO TUNNEL  
SOUTH PORTAL

NATIONAL DOCKS

36' FEET OF EXISTING TUNNEL ROOF TO  
BE REMOVED AND  
SOUTH PORTAL RECONSTRUCTED





STABILIZER

Genie S-40

Genie S-40





**BERGEN TUNNEL  
SOUTH PORTAL**

**RIVER LINE**

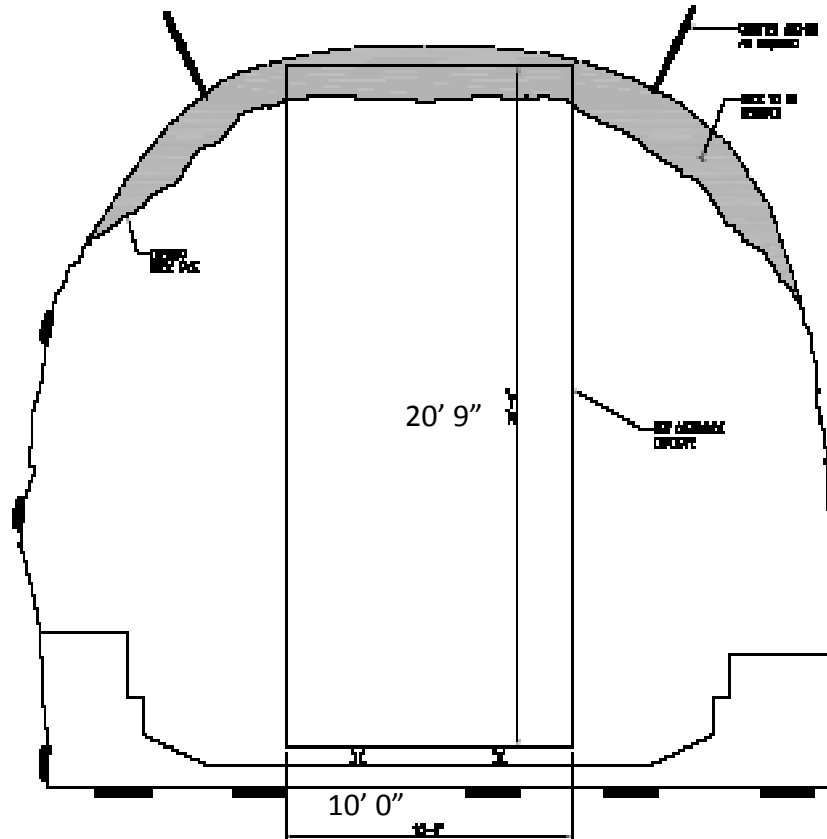
**NATIONAL DOCKS**

80 yds

**BERGEN TUNNEL  
NORTH PORTAL**

**NEW JERSEY TRANSIT**

# Bergen Hill Tunnel Ceiling Removal Quantities



Bergen Tunnel – 4161'

3120' – Rock Ceiling

1925' – Minimal Removal, Scale & Stabilize

610' – 1" to 6" Removal

325' – 6" to 12" Removal

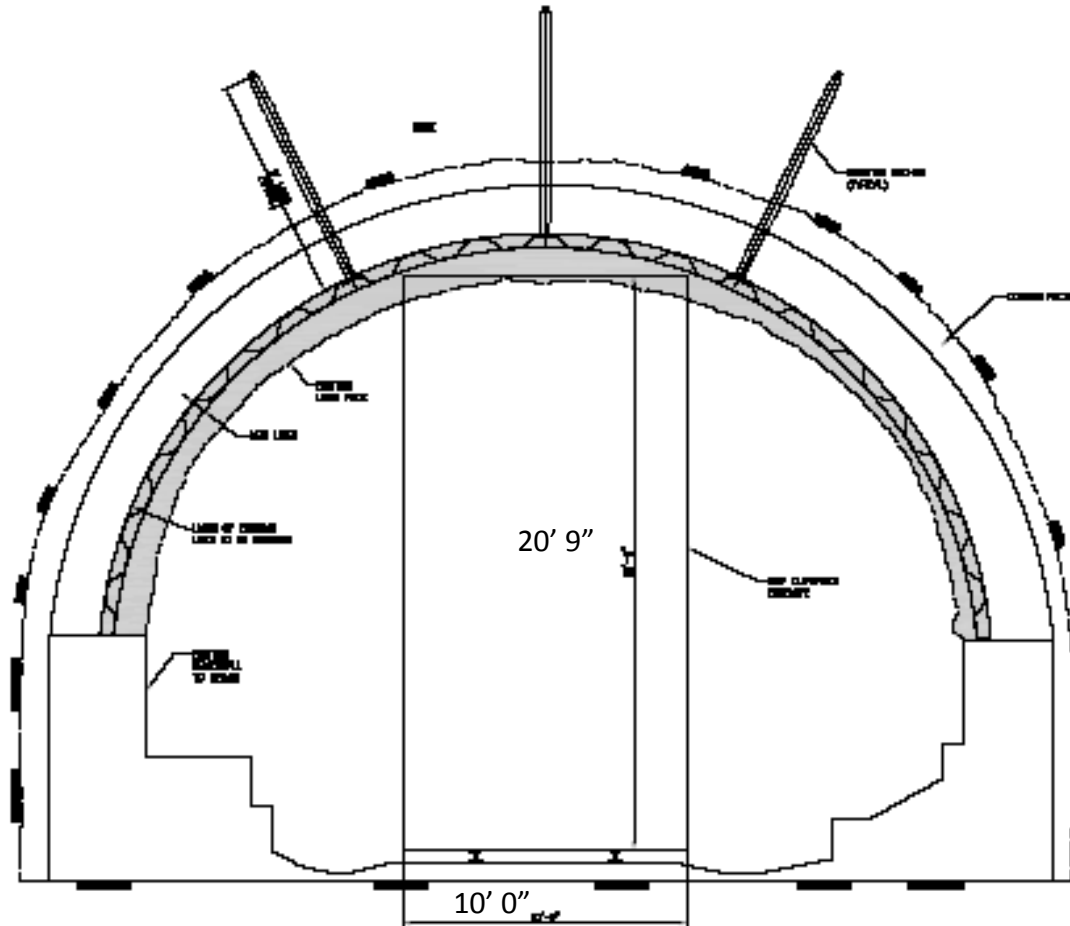
260' – 12" Removal - Blasting







# Bergen Hill Tunnel Liner Modification Quantities



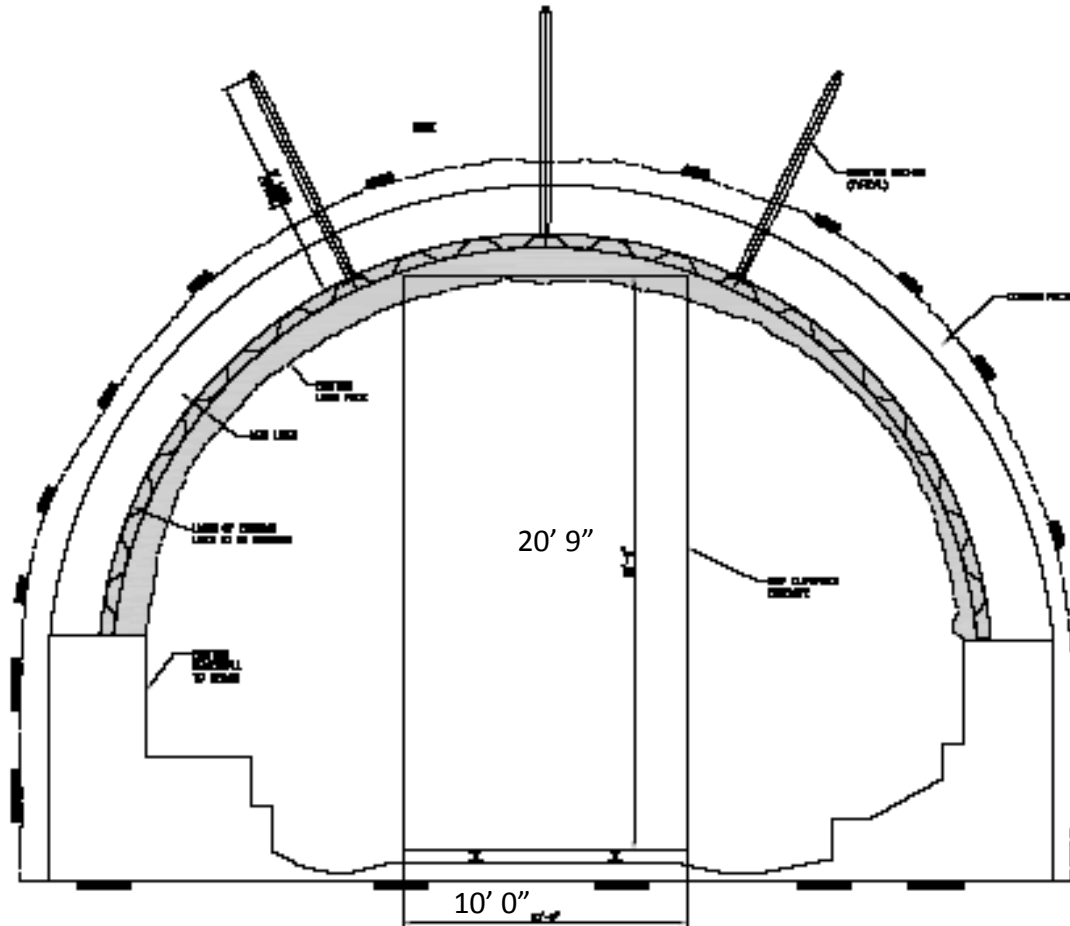
Bergen Tunnel – 4161'

1041' – Lined Ceiling

All of brick-lined ceiling was removed



# Bergen Hill Tunnel Liner Modification Quantities



Bergen Tunnel – 4161'

1041' – Lined Ceiling

All of brick-lined ceiling was removed





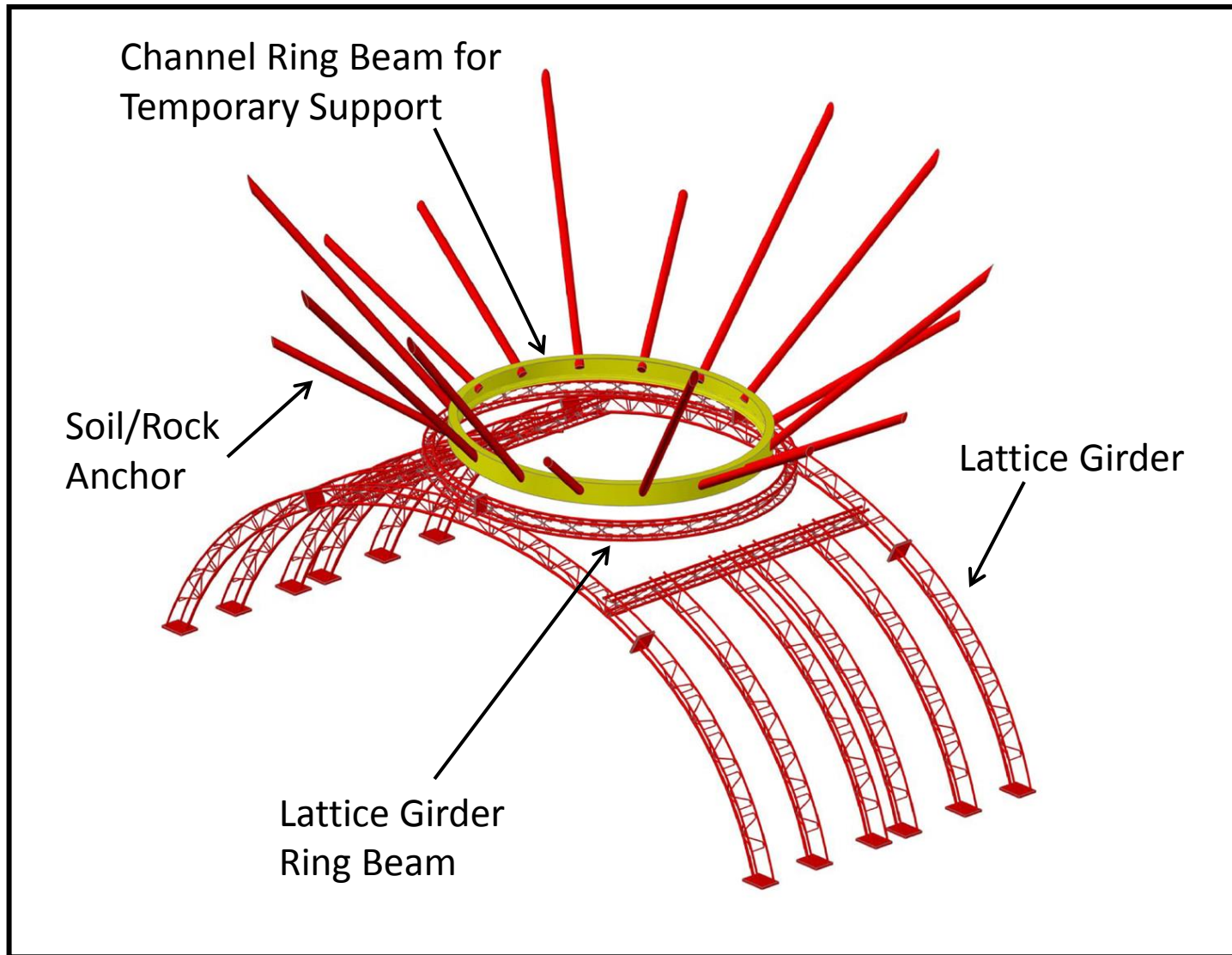








# Air Shaft Support Spider





11211



01519 BERGEN TUNNEL, N.J. EAST END.

DETROIT PHOTOGRAPHIC CO.



842 842

ERIE

**CONGRATULATIONS**

On the Completion of the  
Bergen Tunnel Clearance Project

Ry Corman  
National Commodities, LLC



NS  
NORFOLK SOUTHERN

