



MACSONS JOB PROFILE

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Limited Access Heavy Demolition of Midtown Tunnel Bridge



Job was completed over one weekend tunnel closure.



BEFORE

AFTER

Heavy Demolition

Details:

- Owner: Elizabeth River Terminals (ERT)
- General Contractor: SKW
- Project Name: Elizabeth River Trail Rail Road Bridge Demolition
- Location: Eastern Mouth of the Mid-Town Tunnel

Description:

This project demolished a retired railroad bridge overpassing the eastern mouth of the Norfolk Midtown Tunnel. Macsons assisted SKW with 80 hours of preplanning to protect the remaining boat walls. This involved strategic saw-cutting of separation points, while keeping the bridge in tact and structurally sound. Planning condensed the original request from 3 weekend tunnel closures to 1, implementing the work in 30 hours, with 2 shifts, in a single weekend. Two excavators were used, utilizing special processors, hammers, and buckets. The bridge was made of a solid 3' base of concrete, (200 cubic yards,) encasing a 1 foot square grid of rebar. Safely separating the bridge from the boat wall, excavators alternated between hammering and chipping, followed by a successfully controlled collapse. Demolition was cleaned up and hauled off site in 12 hours, ahead of schedule. All materials were moved and recycled in Macsons crushing yard. The work area was restricted to the 22' limited access road bed. The bridge was 16' above grade. No incidents, accidents, or damage occurred. The existing bridge seat was reused, with a new pedestrian bridge installed.



DEMOLITION & ENVIRONMENTAL SERVICES

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