



Scope of Work for Northeast Corner of Bulkhead Repair

at Fish Island, New Bedford, MA
for Bridge Real Estate Investors, LLC.

Due to the deteriorated condition of the steel sheet pile bulkhead, the NE corner of the bulkhead structure will be repaired to allow personnel access and fendering to vessels berthed along the face of the bulkhead. Presently there are steel road plates covering a sinkhole and no functioning fender system. The road plates are presently settling due the loss of support from the corroded sheeting.

The proposed work includes:

- Removing the road plates to access to the area.
- Grading and installing filter fabric and a layer of small rock-fill to stabilize the 31'x13' sink hole area behind the bulkhead. It is anticipated the rock-fill layer will be 2' or less thick.
- Install 5 steel H-piles along the length of the affected bulkhead. Steel beams will be connected to the tops of the piles to create a support frame. The road plates will be re-installed, supported by the steel pile and beam frame offshore and the stabilized ground on the inshore.
- Install 4 treated timber piles in front of the four southern support piles for fendering vessels.

Installation of the steel piles and timber fender piles will be done with a barge mounted crane and vibratory hammer. A landside excavator may be used for grading and installing the rock-fill in the sink-hole area. Work is expected to take 1 to 2 weeks.