

The 45-foot Project

- Increase authorized depth of Delaware River federal navigation channel by 5 feet
- Follow 40-foot channel alignment 102.5 miles from Philadelphia/Camden to deepwater in Delaware Bay
- Widen 12 of 16 channel bends for safer navigation
- Deepen Marcus Hook Anchorage to 45 feet also
- No change in channel widths (ranging 400 to 1,000 feet)
- Channel was already deep enough in about 50% of its area pre-construction and thus requires no dredging
- Initial construction cost: approximately \$300 million
- Nonfederal sponsor (35% cost share): Philadelphia Regional Port Authority
- Total estimated dredging volume: 16 million CY
- River Portion (Reaches AA thru D): 12 million CY of silt, clay, sand and gravel to be placed in 5 federal confined disposal facilities (CDFs)
- Bay Portion (Reach E): 4 million CY of sand, incl. 2 million CY for initial construction of Broadkill Beach coastal storm damage reduction project, and the rest to be placed at Artificial Island CDF
- Rock Removal (Marcus Hook vicinity): 320,000 CY to be blasted in place, removed by bucket dredge, and placed in federal CDF at Fort Mifflin

