

PENNSYLVANIA



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 cubic yards
- River Portion (Reaches AA thru D): 12 million cubic yards of silt, clay, sand and gravel to be placed in 5 federal confined disposal facilities (CDFs)
- Bay Portion (Reach E): 4 million cubic yards of sand to be placed ashore at two sites for ecosystem restoration, storm risk reduction
- Rock Removal (Marcus Hook vicinity): 200,000 cubic yards to be blasted in place, removed by bucket dredge, and placed in federal CDF at Fort Mifflin

Delaware River Main Channel Deepening Project

U.S. Army Corps of Engineers, Philadelphia District
Philadelphia Regional Port Authority