



US Army Corps
of Engineers®
New York District

Plan Components



Length of Beachfill

35,000 linear feet (LF), extends from east end of Point Lookout to west boundary of the City of Long Beach at Nevada Avenue, with an incidental taper into East Atlantic Beach

Point Lookout & Lido Beach (east of Nickerson)

- 110 ft berm from seaward toe of dune; elevation +9 ft NAVD88
- 1V:20H slope to existing bathymetry
- Dune with crest width of 25 ft; top elevation +14 ft NAVD88 with 1V:5H landward and seaward slopes

City of Long Beach & Lido Beach (west of Nickerson)

- 190 ft stepped berm from seaward toe of dune
 - 40 ft flat berm; elevation +9 ft NAVD88
 - 20 ft berm at 1V:10H slope to +7 ft NAVD88
 - 130 ft flat berm; elevation +7 ft NAVD88
 - 1V:30H slope to existing bathymetry
- Dune with crest width of 25 ft; top elevation +14 ft NAVD88 with 1V:5H landward and seaward slopes (1V:3H landward slope fronting the boardwalk in Long Beach)

Nassau County (Nickerson Beach)

- ~5,000 LF, existing berm provides equivalent coastal storm risk management
- Berm area undisturbed to allow for bird nesting and foraging
- Dune with crest width of 25 ft; top elevation +14 ft NAVD88 with 1V:5H landward and seaward slopes
- Incorporates existing dunes into construction of HSLRR Plan

Beachfill, Dune Grass, and Sand Fence Quantities

- initial fill placement: 4,720,000 cy
- renourishment:
 - 1,770,000 cy fill
 - 5-yr intervals for 50-yr period of analysis
- planting dune grass: 34 acres
- sand fence: 75,000 LF

Offshore borrow area

- Contains ~36 million cy of beach fill
- located ~one mile offshore of the barrier island of Long Beach

Groins

- Existing groins
 - 17 total rehabilitation
 - rehabilitation/100 ft extension of Point Lookout terminal groin
- Newly constructed groins
 - 4 total at eastern end of island

Access for Pedestrians and Vehicles (Dune Crossovers)

- City of Long Beach: 31 total
- Town of Hempstead: 20 total
- Nassau County: 6 total