



## PROJECT:

# FY10 South Jetty Breach Fill Maintenance

Westport's beaches have changed dramatically since the harbor jetties were completed in the early 1900's. During the last 10 years, sections of beach facing the ocean and within Half Moon Bay eroded, threatening the jetty and many feared Westport itself.

The USACE contracted with Cherokee Construction Services as a **prime contractor** to increase the size of the jetty and to repair the eroded sections using sand stockpiled nearby from a Half Moon Bay dredging project. Due to various environmental factors, rip-rap is not used in these areas so they need to be repaired periodically since the sand erodes quickly during storm events.

Work on the project consisted of utilizing a fleet of dump trucks to move approximately 33,000 cyds of sand. The sand was excavated from the area used to stockpile the material, loaded in trucks and hauled ½ mile down the beach to the various dumpsites.

Due to the haul road needing to remain open to the public, this presented some safety issues. Both the loading and unloading sites were located near parking areas for the large number of surfers that use this particular area for recreation. Traffic control and flagging were important aspects of the project and were performed successfully so there were no accidents or incidents. Some further challenges were the haul roads themselves. Portions of these roads wound through hills covered with native beach grasses that had to be protected from any damage and because of environmental factors, these roads could not be rocked to help with traction during the rain falls. Road upkeep and maintenance were critical aspects that assured the project kept on schedule and was completed on time. These roads and work areas were put back to pre-work condition. The jetty construction areas were also surrounded by sensitive beach grasses that had to be protected from damage. The excavation site had just enough sand stockpiled to complete the project. Due to the existing utilities under the excavation site, care had to be taken to survey the area sufficiently to assure that all available sand was taken without taking so much that the buried utilities were damaged. The short duration and unusually high rainfall made this a challenging project to complete on time.



### Project Highlights:

- Moved 33,000 CY of Sand
- Jetty Repair
- Public Recreational Area
- Beach Erosion Control
- Environmentally Sensitive Area

### Project Vitals:

- **Client:** US Army Corps of Engineers, Seattle District
- **Location:** Westport, Washington
- **Contract Amount:** \$260,935.96
- **Duration:** October 2010
- **Contract #:** W912DW-09-D-1010 #0010
- **Amount Self-Performed:** 100%
- **NAICS Code:** 237990