Middle Harbor Redevelopment Project



Project Overview





- Combine two aging and obsolete terminals
- Create one 345 acre, state-of-the-art terminal



Project Overview

- \$1.49 billion budget
- Phased, 10-year construction schedule
- Created 65 acres of new land
- Required 6 million cy of fill material
- Project generated 2 million cy
- 4 million additional cy required
 - 1.3 million cy sourced from 3rd parties











Stage 1 Fill Sources

- Slip 3
 - 1.4 million cy
- Port maintenance dredging
 - 150,000 cy
- Third party material
 - 1.3 million cy
- Total = 2.9 million cy

- Marina Del Ray
- Rhine Channel
- Lower Newport Bay Federal Channel
- Colorado Lagoon
- Alamitos Marina
- Harborlight Marina
- LA River Estuary
- Rainbow Harbor

Stage 1 Challenges

- 3rd party material selection process
- Hydrocarbon impacted material encountered in Slip 3
 - Cement stabilization
- Dolphin stranding







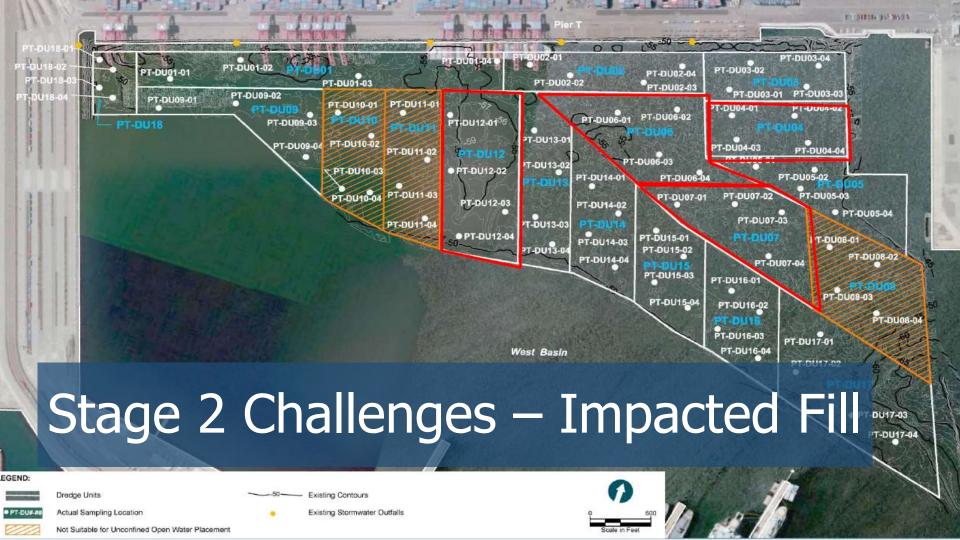




Stage 2 Challenges – Fill Source

- Pier S redevelopment placed on hold
 - Planned source of fill material
- Deepened the West Basin to -55 to accommodate the next generation of containerships
- Widened and deepened the Turning Basin to facilitate navigation



































THANK YOU

