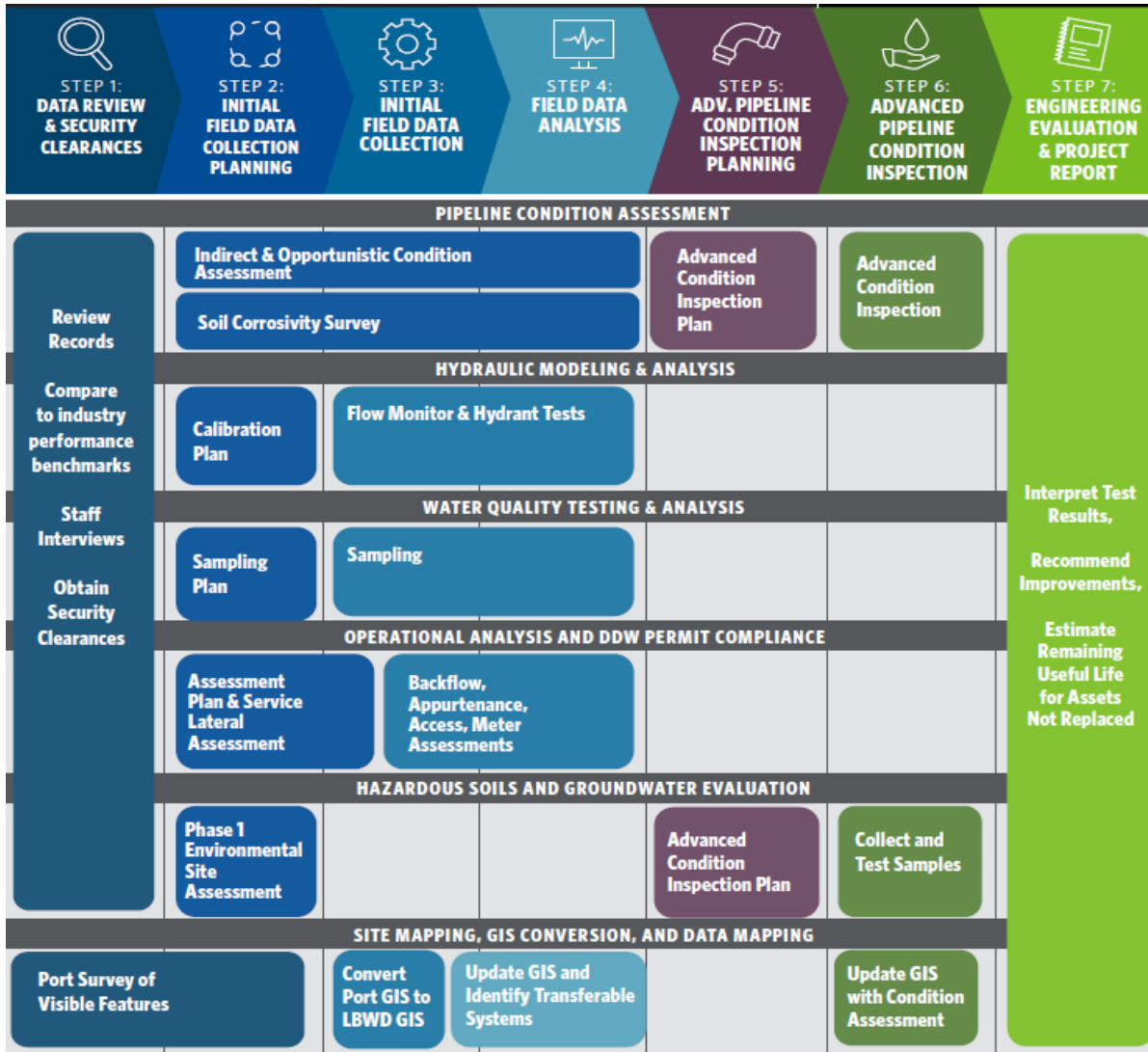


Port of Long Beach Water Transfer Study (EO-3549)

Board of Utilities Commissioners
January 5, 2023



Project Background



January 2020

- Memorandum of Understanding entered between the Board of Water Commissioners and the Board of Harbor Commissioners regarding improvement and transfer of portions of the POLB water system to LBWD

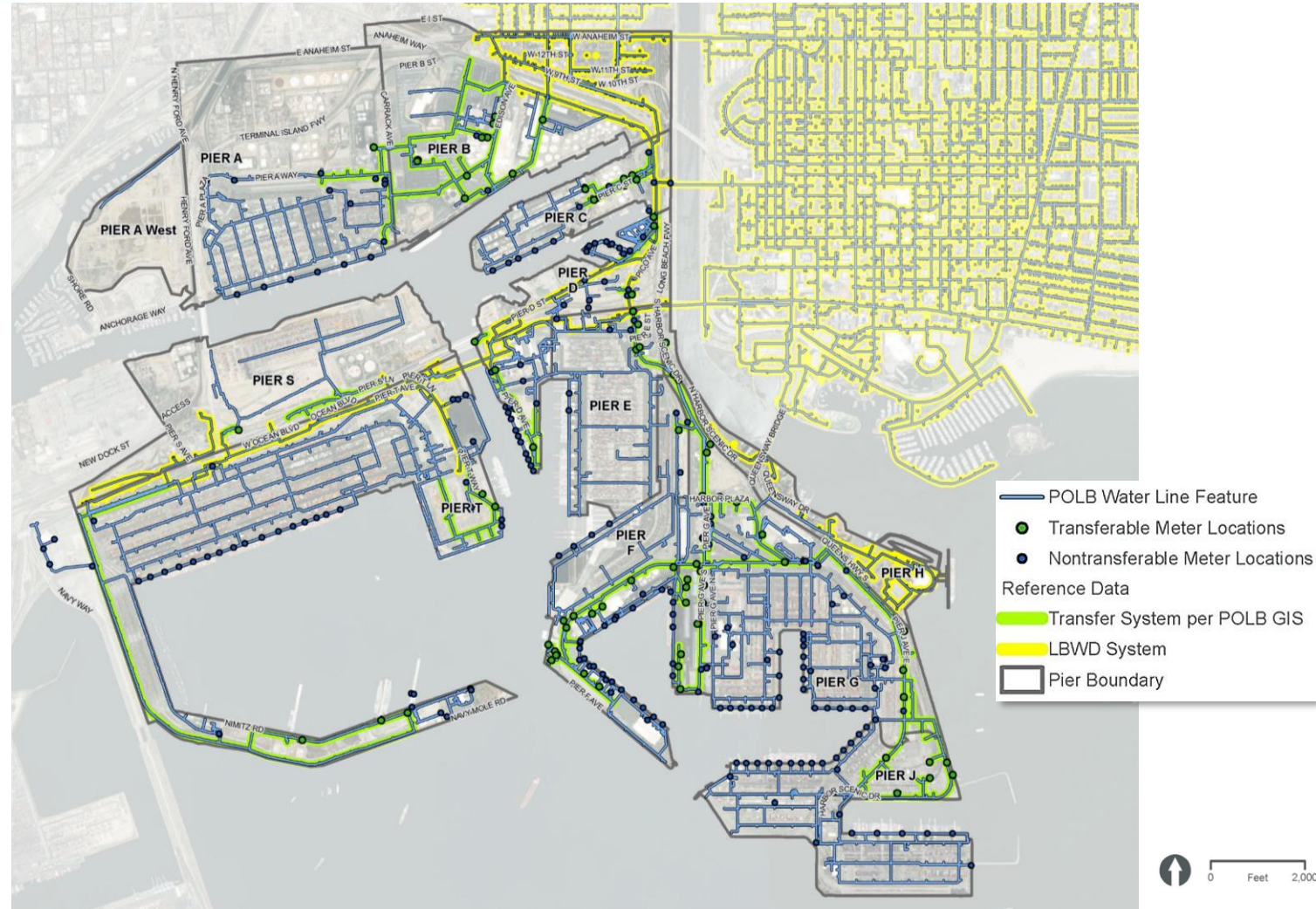
August 2021

- Water entered into an agreement with HDR Engineering, Inc. to perform engineering services for the POLB Water System Transfer Study Project (EO-3549) with a not-to-exceed amount of \$2,943,407

Project Description

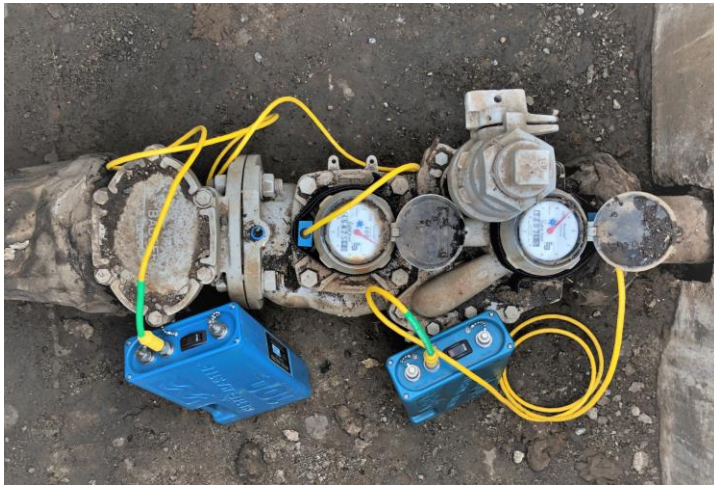
This Project involves collection and review of data, accessibility analysis, water quality analysis, hydraulic analysis, pipeline appurtenance function verification, and advanced pipeline inspections

Water System Asset Description	Unit	Quantity
Distribution Pipelines	Feet	104,540
Fire Hydrants	Each	158
Isolation Valves	Each	521
Water Meters	Each	88
Backflow Devices	Each	15



Work Completed

- Soil Corrosivity Survey (Task 2.3.2)
- Backflow Preventor Testing (Task 2.3.3)
- Hydraulic Model Calibration Plan and Flow Monitoring (Task 3.2)
- Water Quality Sampling Plan and Sampling (Task 4.2)



Flow Monitoring Installation



8" Backflow Testing



Water Quality Testing

Challenges

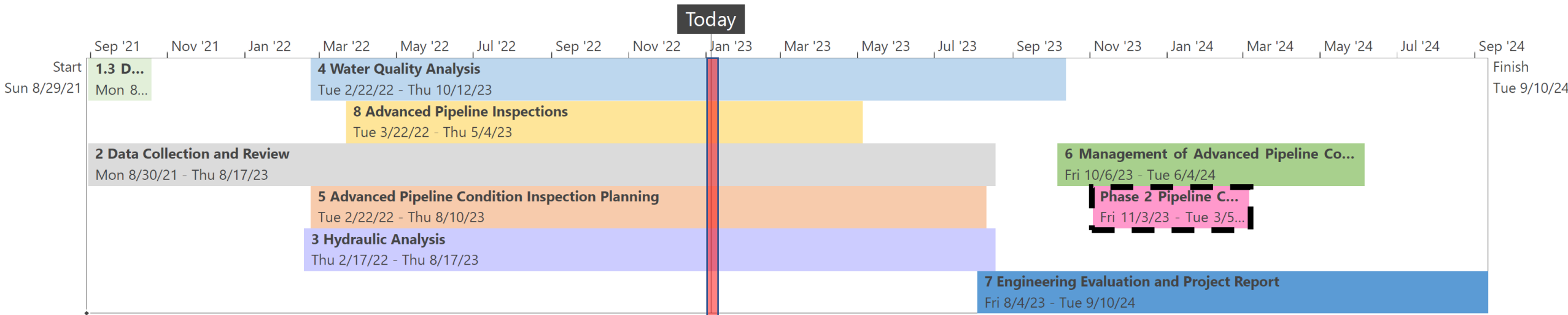
Existing pipeline and appurtenances located in high-traffic areas requiring traffic control and specific allowable work days (i.e., weekend-specific or Sunday-specific) to conduct field work

- Requires additional cost and schedule for traffic control plans and traffic control implementation



Traffic Entering the Port

Project Schedule



Recommendation

Authorize the General Manager to execute the First Amendment to Agreement WD-3612 with HDR, Inc. for the Port of Long Beach Water System Transfer Study Project (EO-3549), by \$958,570 to an amount not to exceed \$3,901,977.





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