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Port Houston:

**Pre-Proposal Meeting:  
RFQ - PROFESSIONAL ENGINEER  
SERVICES FOR THE IN-DEPTH  
STRUCTURAL INSPECTION AND REPAIR  
DESIGN OF WHARVES 47, 48, AND 1E AT  
TURNING BASIN TERMINAL**

09/15/2020 Infrastructure Project Review Board



Wharf 1E

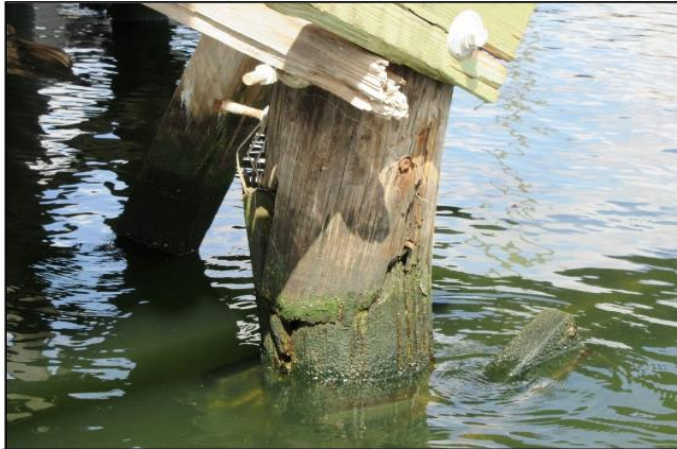
Wharves 47 and 48





- ACR: 47 (orange)
- T-head dock and substructure is in serious condition - Timber piles and steel batter piles damaged
- Fender system in poor condition – missing rubber absorption units
- Timber braces and guards with severe decay
- Dolphin / Mooring system in poor condition





Timber pile broken at waterline



Broken steel batter pile



Breasting dolphin missing four fender units



Timber pile with severe abrasion at waterline



Broken timber brace



Timber brace with severe decay



- ACR: 48 and 46 respectively (orange)
- Structural and berthing components in serious condition
- Fender system needs attention

Existing tenant's operations constrained if these docks are taken out for repair.





CD47, spalling and deterioration of concrete pile



CD48, 1 fender with severe distortion and two missing fenders



CD48, deck beams with severe cross-sectional loss due to corrosion



CD47: Bay 1, deck underside with corroded reinforcing and one hole



CD48, deck underside with holes and exposed reinforcing with severe corrosion



## Scope of Work

- Perform the following:
  - (1) in-depth inspection and follow up investigation,
  - (2) create cost estimations,
  - (3) repair design, and
  - (4) construction phase support for Wharves 47, 47 and 1E as identified in the **FICAP report**
- For Wharves 47 and 48, develop a construction repair sequencing plan to minimize impact to operational activities of tenant



<b>Proposed Activity</b>	<b>Target Date</b>
Draft RFQ	08/28/20
Pass DG1 at IPRB	09/01/20
Place RFQ on Buy Speed	09/02/20
Received submitted RFQs	09/23/20
Rank and Evaluation	09/24/20 – 10/05/20
Executive review committee	10/08/20
STP negotiations	10/08/20 – 11/13/20
Agenda setting meeting for Dec commission	11/19/20
Commission meeting to award design contract	12/08/20
Sign design contract	12/09/20





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# Thank You

