

Item No.: 8e_Supp
Date: May 10, 2022

Shilshole Bay Marina: X Dock Rehabilitation

Commission Meeting | May 10, 2022

Kenneth R. Lyles – Director of Maritime Operations and Security

Darrel Dare – Senior Manager, Recreational Boating

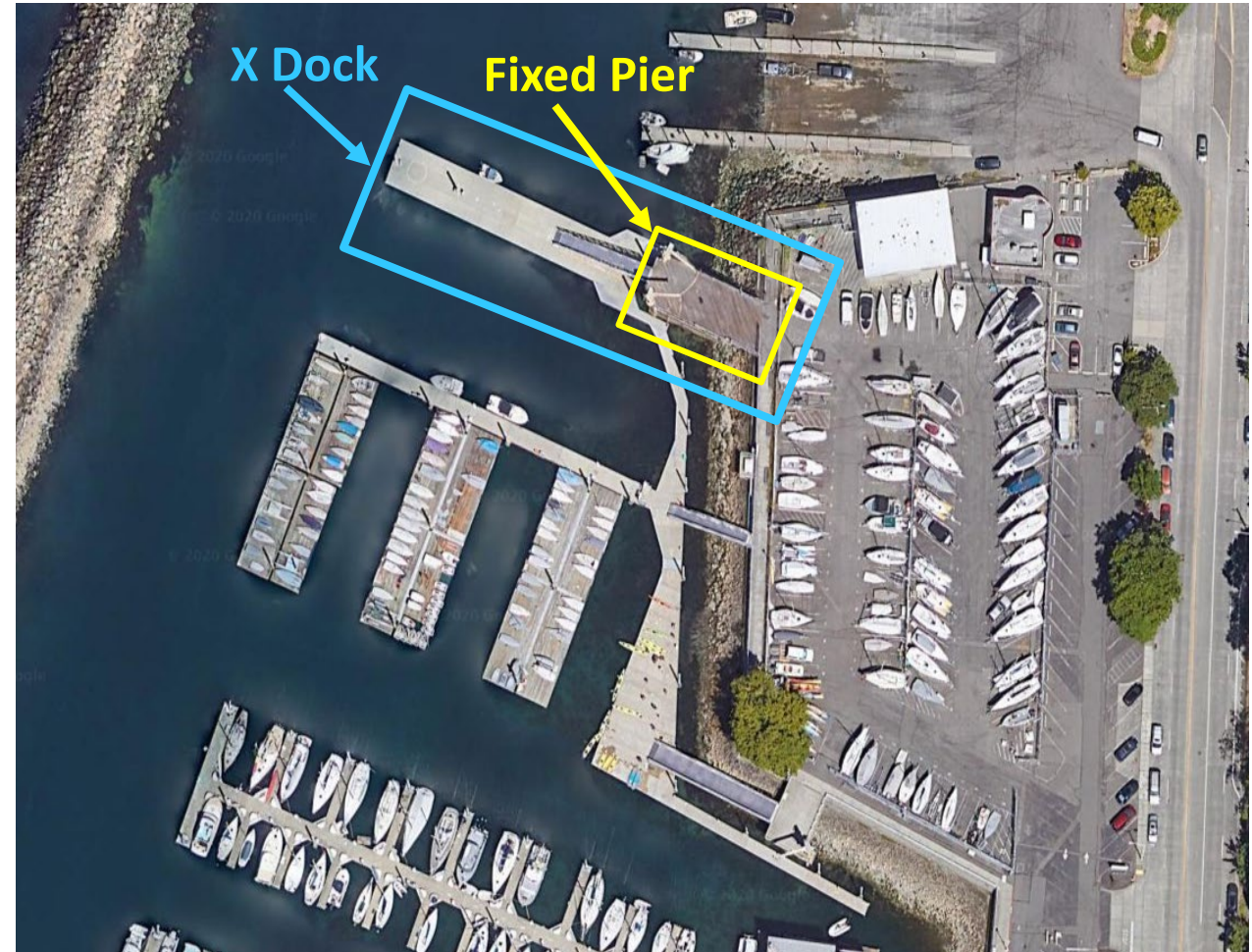
Julie Yun – Capital Project Manager

Mark Longridge – Capital Project Manager



Agenda

1. Commission Request
2. Project Context
3. Alternatives Considered
4. Timeline
5. Questions

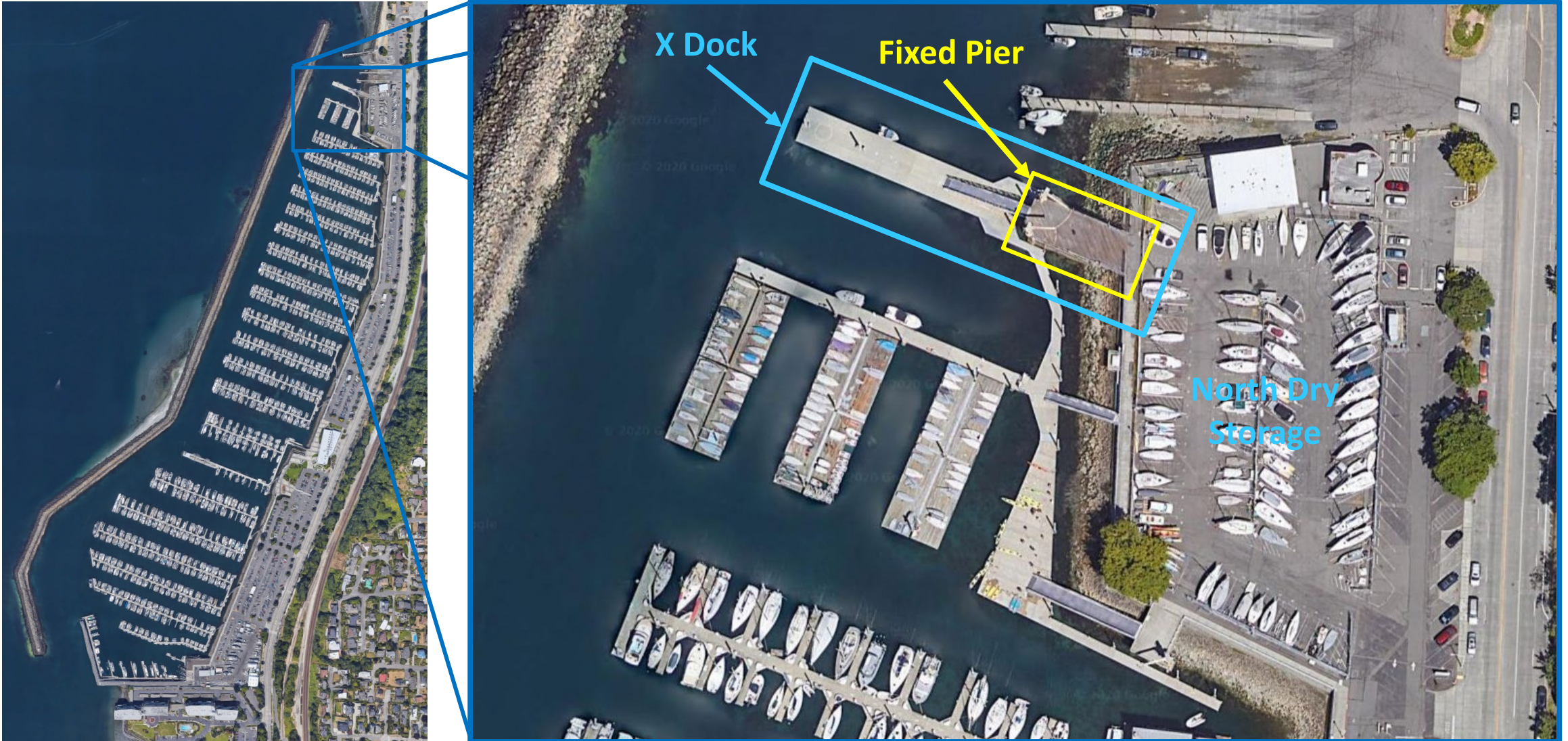


Action Requested

Request Commission Authorization from the Executive Director to:

- ➔ Request Commission authorization for the Executive Director to advertise and execute a major public works construction contract for the Shilshole Bay Marina X-Dock Rehabilitation in the amount of \$1,200,000 (total authorization \$1,650,000).

Project Context: Location



Shilshole Bay Marina

X Dock at Shilshole Bay Marina

Project Context: Current Condition



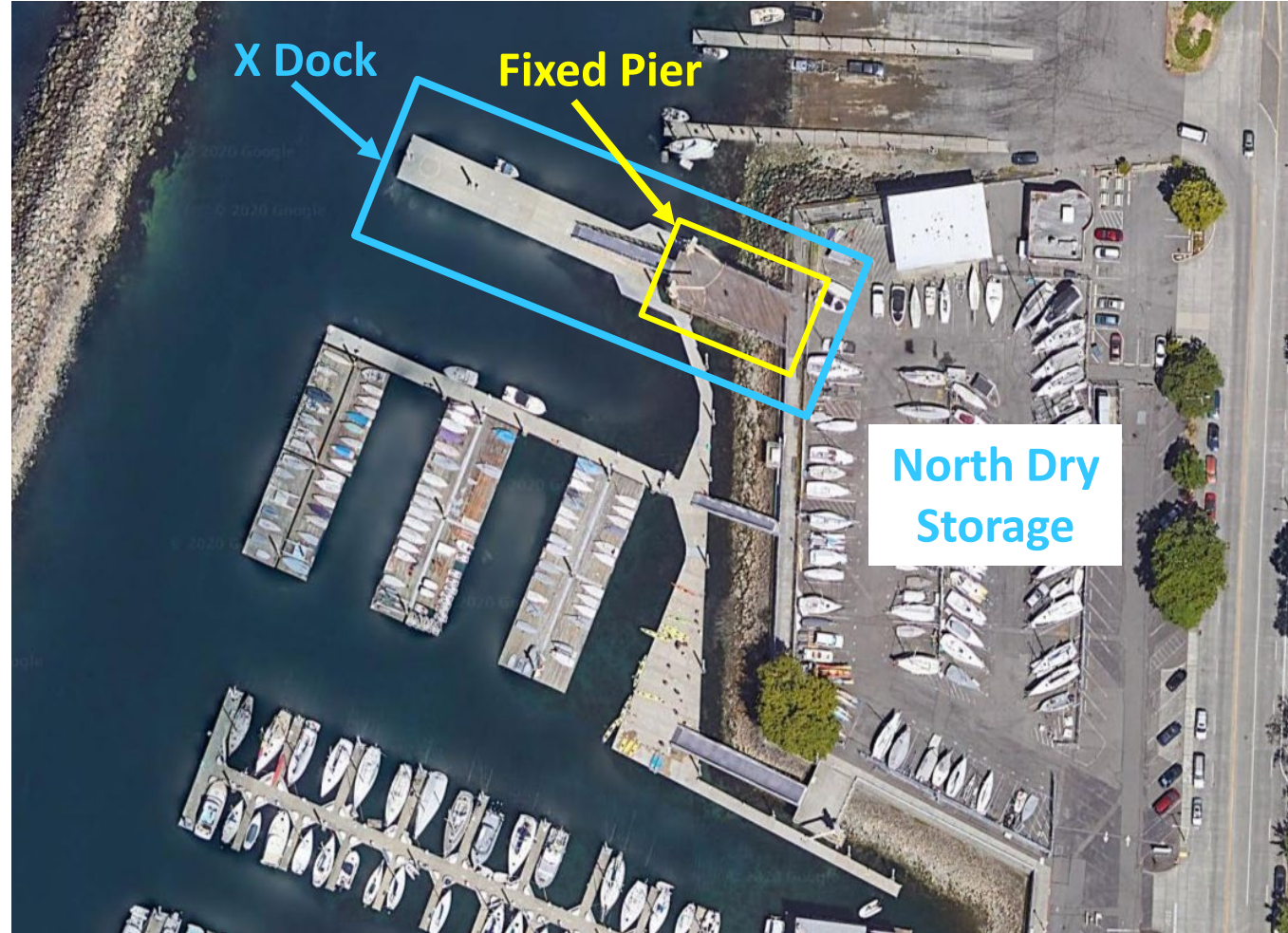
Project context: Scope

Supporting Structure (“Substructure”)

Replace 20 existing creosote timber piles with 13 steel piles utilizing waterside crane barges to minimize construction impacts.

Superstructure (not in scope)

Retain superstructure for the remainder of its service life.



Alternatives Considered

Alternative 1: No/delayed action (Not Recommended)

- **Cost Implications:** Reduced cost for avoiding work but potential for increased maintenance cost related to more advanced repair needs in the future.
- **Pros:**
 1. Preserve Port capital funding and resources for other priority projects and financial initiatives.
- **Cons:**
 1. Potential integrity risk to the overall pier structure due to continued deterioration.
 2. Potential commercial/financial risk due unplanned maintenance and implementation of load restrictions to facility operations.

Alternative 2: Proceed with current design (Recommended)

- **Cost Implications:** Allocation of \$1,200,000 in the Capital Plan.
- **Pros:**
 1. Address deterioration of the supporting structure.
 2. Improved service life with steel piles, as compared to the existing timber piles.
 3. Replace creosote timber piles with more environmentally-friendly steel piles.
- **Cons:**
 1. Higher upfront capital cost.
 2. Limited temporary construction impacts.

Project Timeline

Activity	Date
Commission Design Authorization (complete)	January 2021
Commission Construction Authorization	May 2022
Design and Permitting Complete	May 2022
Advertise Construction	June 2022
Construction Start	October 2022
In-use date	March 2023

Questions?