

# Oscars Dock Crane Concept



Presentation  
City Council  
January 24<sup>th</sup>, 2017

# Oscars Dock Concept



← 1- Ton Crane



## False Creek Harbor B.C.

- 1 Ton Crane
- Manual swing
- Electric chain hoist



# Shilshole Marina, Seattle

- 3 Ton Crane
- power swing
- Electric winch hoist

## CRANE OPERATING INSTRUCTIONS

### TO OPERATE

1. Touch the electronic key to the front of the gray covered box at the base of the crane.
  - You should hear the switch turn on.
  - The electronic key reader light will turn green.
  - The crane will operate for 10 minutes.
  - An alarm tone will sound when 1 minute remains.
  - To restart, repeat step 1.
2. The handle on the main power switch box labeled Emergency Stop must be moved to the "ON" position.

### CONTROLLER OPERATION

1. Press and hold a motion button to operate the crane.
2. Release the motion button to stop operation.
3. Press and hold the "Halt" button while pressing the "Up" or "Down" motion button to increase speed.
  - The "Halt" button only works for "Up" or "Down" operation.
  - Motion buttons.

### EMERGENCY STOP

- Push the Red Emergency Stop button for emergency stop.
- To restart after an emergency stop, turn the red stop button clockwise. The handle will pop out.
- There is a 10 second delay after resetting the emergency stop button.
- Remove operation.

**SAFETY INFORMATION - READ INSTRUCTIONS CAREFULLY**  
This crane is not to be used for lifting people or other loads.  
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## **North Pacific Crane Company**

- 5000 LBS @ 20ft
- Hydraulic swing, boom & winch

# Maximum Performance

- 1 Ton Crane
- Hydraulic swing, knuckle & hoist
- Wireless remote option



# Crane Operation Requirements

## User Training:

- ✓ On-line class
- ✓ User orientation
- ✓ Demonstrate proficiency

## User Agreement (Similar to Homer)

Liability Release

## Payment/ Use:

- ✓ Purchase Key Card
- ✓ Card bills to account
- ✓ 15 minute increments

**NOTE: Harbor staff will not operate crane for vessel operations**



**City of Homer**

[www.cityofhomer-ak.gov](http://www.cityofhomer-ak.gov)

**Port and Harbor**

4311 Freight Dock Road  
Homer, AK 99603

[port@cityofhomer-ak.gov](mailto:port@cityofhomer-ak.gov)

(p) 907-235-3160

(f) 907-235-3152

**FISH DOCK CRANE USE  
AUTHORIZATION AGREEMENT**

Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Address: \_\_\_\_\_  
*P.O. Box or Street Address City State Zip*

ID/Driver's License #: \_\_\_\_\_ S.S. # (optional): \_\_\_\_\_

Use of the Fish Dock cranes in the City of Homer harbor is a privilege which will be extended only to those who make safe and proper use of the equipment. The privilege will be granted only to those who have completed City training, who have demonstrated an ability to safely and properly use the equipment, and who agree to the following terms:

- I have viewed and understand the City of Homer training video for the safe and proper use of the Fish Dock cranes.
- I have successfully demonstrated proficiency on use of the cranes which has been observed and verified by authorized port and harbor personnel.
- I have received the port and harbor written policies concerning Fish Dock crane use. I understand the written policies and agree to abide by them.
- I agree that if I ever have a question concerning the proper procedures or policies for use of the cranes, I will ask authorized port and harbor personnel for further instruction and I will not use the crane until my questions have been answered.
- I agree that I will not operate a Fish Dock crane without having the Crane Card Operator Permit Card in my possession.
- If I am issued a crane access card, I agree that I will not allow any person to use my card that has not also completed training and received from the City of Homer a Crane Operator Permit Card.
- I agree that if I allow another person to operate a crane using my access card, before doing so I will provide to the port and harbor office proof of liability insurance covering such activity in an amount of not less than \$1,000,000.
- I agree that I will immediately report to port and harbor personnel any accident involving crane use or any malfunction or problem with the cranes.

I agree that my use authorization agreement, Crane Operator Permit Card, and my access card (if I have one), may be revoked immediately without prior notice to me if I violate the City of Homer policies or procedures for Fish Dock crane use, allow a person who does not have a use authorization agreement with the City to use my access card, fail to pay my account in full, or otherwise violate the terms of this agreement.

Signature \_\_\_\_\_ Date \_\_\_\_\_

<b>For City Use Only:</b>		
Permit Only _____	Card(s) # _____	Liability Insurance _____
Training Completed On (Date): _____		Proficiency Test Verified By: _____
CITY OF HOMER PORT AND HARBOR OFFICE		
Office Admin Authorization _____		Date _____

# PND Estimate

Estimate based on 1 to 3 Ton Crane:

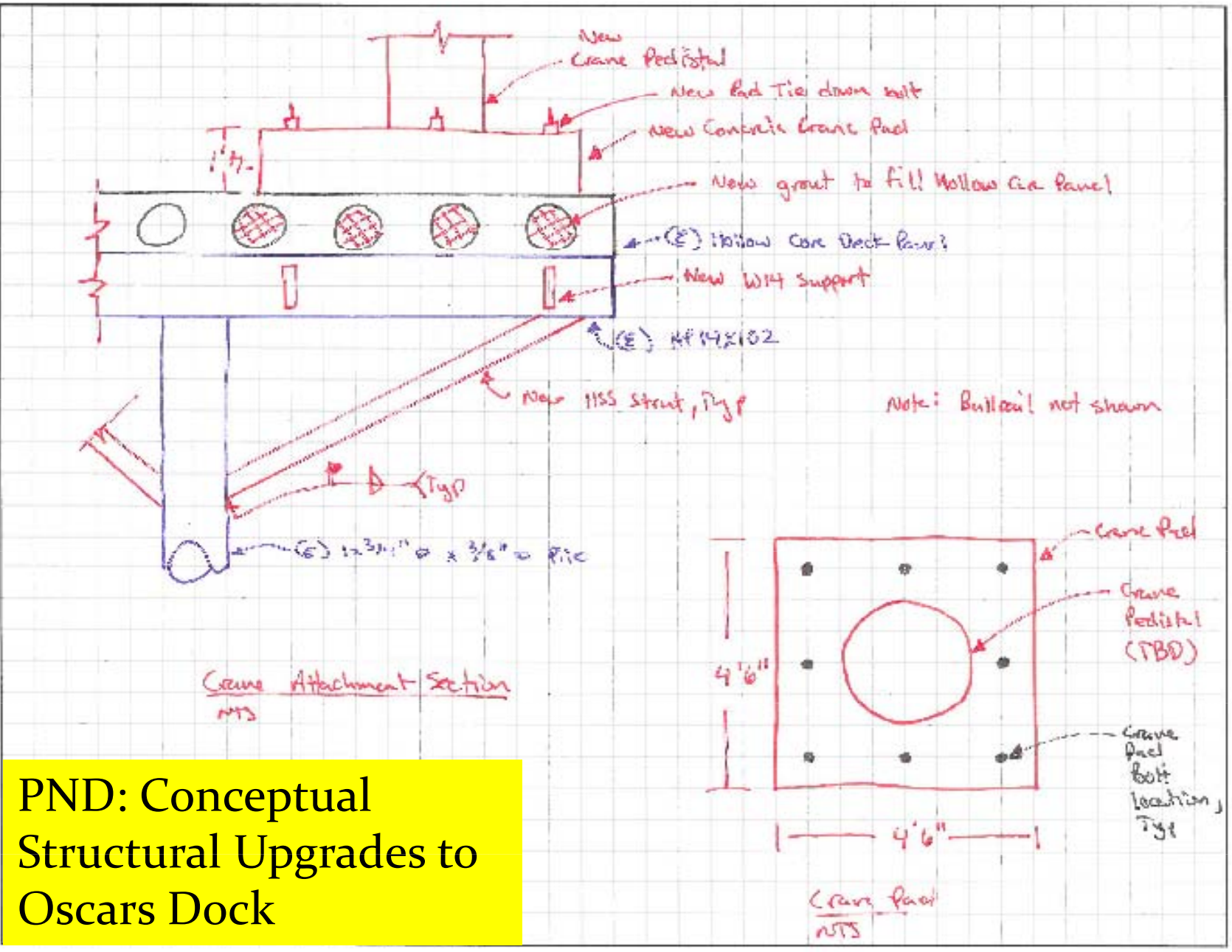
- ROM Engineering & Design Cost: 18K - 23K ( including electrical but not remote key card operating system)
  - ROM Construction Cost: 90K- 110K (not including crane cost)
  - Estimated crane cost FOB Kodiak: 30K-60K
  - Key Card System: 15K
- 
- Total Price Range: 153K- 208K
  - HM Recommended Budget with contingency: 229K
  - Option: Consider Soliciting as a Design/Build Project



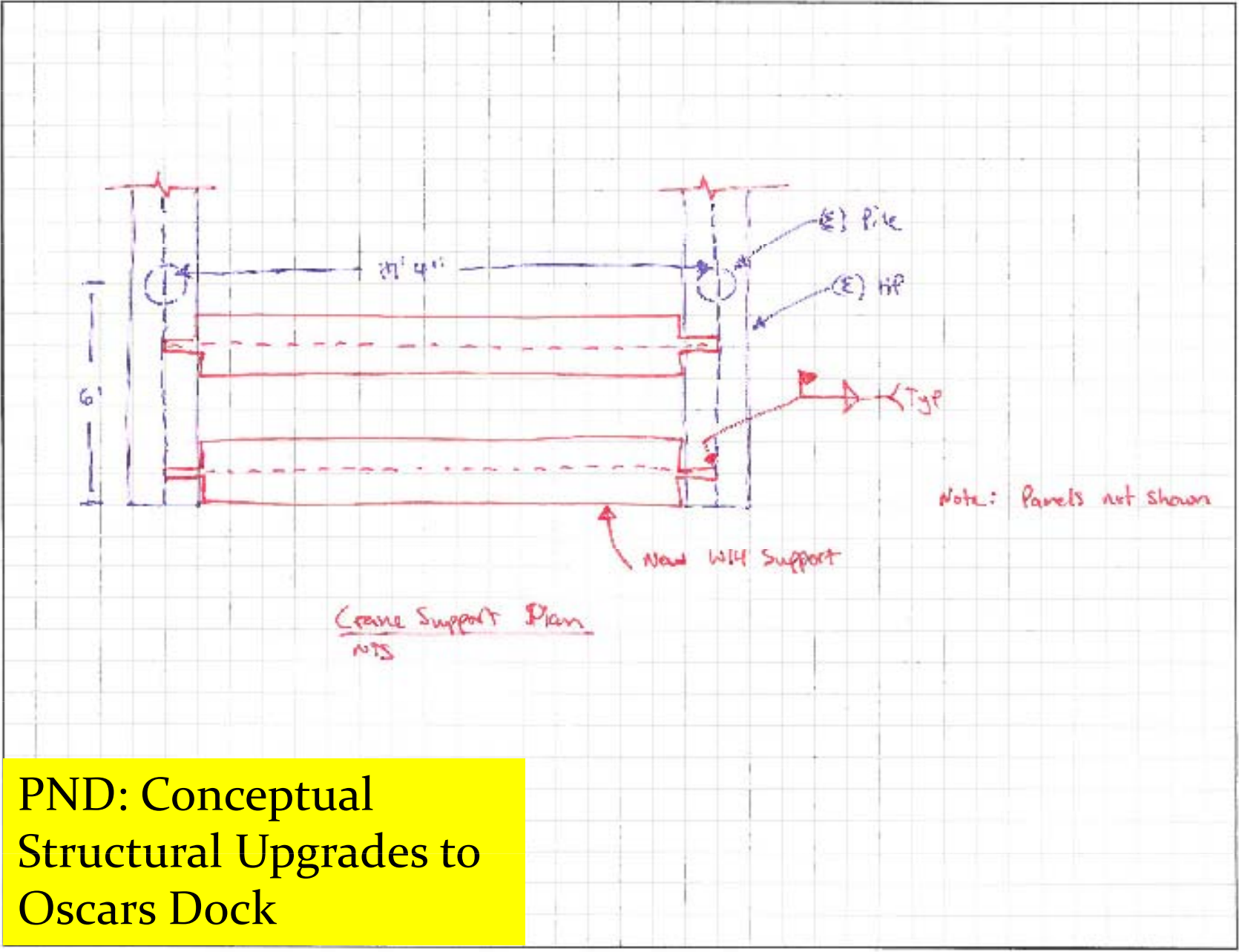
CA 2  
 Date 9/23/16  
 Drawn

Project Sheet Number  
 Calculated by  
 Checked by

1205 West 46th Avenue  
 Anchorage, Alaska 99506  
 phone 907.561.3311  
 fax 907.561.4607



**PND: Conceptual Structural Upgrades to Oscars Dock**



# PND: Conceptual Structural Upgrades to Oscars Dock

# Crane Specifications

## PHAB Established Crane Requirements:

- ✓ Location on Dock: **Oscars North End**
- ✓ Capacity: **1 Ton Lifting, 2 Ton structural**
- ✓ Reach: **18 Ft Boom**
- ✓ Operating System: **Key Card**
  
- ✓ Type & Features:
  - ✓ Similar Configuration as Columbia Crane →
  - ✓ Electric Driven Hydraulics
  - ✓ Hot Dipped Galvanized frame
  - ✓ 18 Ft Straight Boom with Boom up, swing and hoist



# Next Step

- ✓ Include CIP Nomination in FY18 Budget (229K)
- ✓ Design- Bid- Build Option:
  - July , 2017: Approve Design & Engineering
  - September , 2017: Solicit for Bids
  - November, 2017: Construction
- ✓ Design- Build Option
  - July 2017: Solicit for RFP's for Design- Build
  - August 2017: Award Contract
  - October 2017: Construction