

Port of Juneau

155 S. Seward Street • Juneau, AK 99801 (907) 586-0292 Phone • (907) 586-0295 Fax

From: Carl Uchytil
Port Director

To: CBJ Public Works & Facilities Committee

Via: (1) Docks & Harbor Board approved 10/26

(2) Public Works & Engineering Director

Date: October 27th, 2023

Re: CIP Establishment and Funds Transfer to Cruise Ship Dock Safety Railing

Docks & Harbors requests establishing Capital Improvement Project (CIP) and transfer of \$500,000 from the Docks Enterprise Fund Balance to complete a portion of the Cruise Ship Dock Safety Railing project. The Port Engineer estimates that 1300 linear feet of safety rail is needed at a cost of \$2M.

The Board has identified this project as the 3rd highest priority to the CBJ Capital Improvement Program for FY2024-2029. This has also been submitted as a request for Marine Passenger Fees since completion of the new cruise ship berths in 2017. The estimated Docks Enterprise Fund Balance is \$2.3M as of the end of FY23. If the Assembly approves funding, the remaining Docks Fund Balance will be approximately \$1.8M.

The Docks & Harbors Board has identified risk to CBJ by not taking appropriate action as indicated in encl (1) and in video link.

The proposed work will replicate the same design which has already been completed along the Seawalk and would include new bull rail where necessary to provide a clean and professional appearance. The computer aided design (CAD) for the most recent work along the Marine Park Seawalk is provided in encl (3).

Action Requested:

"Move to transfer \$500,000 from the Docks Fund Balance into a CIP for a Cruise Ship Dock Safety Railing for the November 13, 2023 Assembly Meeting."

Encl:

- (1) Memo dated July 27th, 2023
- (2) Photos of current Seawalk
- (3) CAD of proposed safety railing
- (4) Site plan Map

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From: Docks & Harbors Board

To: City & Borough of Juneau Assembly

Date: July 27th, 2023

Re: Downtown Safety Railings

The Docks & Harbors Board is concerned that CBJ is exposed to unnecessary risks due to the Seawalk not fitted with safety railings from the CT Dock to Marine Park. Prior to construction of the new cruise ship berths in 2017, the face of the dock was a working waterfront in which vessels moored tightly to the bollards along the Seawalk. This created an impractical situation to install and maintain guard/safety railings. With the new pontoon float design and the vessels moved well-off the timber wharf, there is no justification to leave the Seawalk unprotected from potential pedestrian falls of 30+ feet into Juneau Harbor.

Since the completion of the new cruise ship berths, Docks & Harbors has submitted annual Marine Passenger Fee requests for safety railing as a need along the downtown waterfront. As we experience more cruise passengers with greater concentration along the Seawalk, Board members are becoming more apprehensive that this is an exposure which should be mitigated soonest. There is also bona fide need to protect Juneauites who frequent the docks at all hours and during the off-season when weather is less forgiving.

The Board understands a desire to maintain the historic aesthetics of the existing bull rail. However, we encourage examination of the newly constructed safety rails near Marine Park and consider that guardrails provide a good public safety benefit (particularly for elderly and mentally impaired). This design adds a visually pleasant safety element that functionally allows visitors to lean on the top rail and watch the active waterfront. Docks & Harbors staff estimates that 1300 linear feet of safety rail is needed at a cost of \$2M. The Board is contemplating directing staff to execute \$500K of Dock Enterprise Fund Balance to construct a phase prior to the CY24 cruise ship season.

This photo was taken on July 3rd. A member of the public attempted to awake this individual, then notifications were made to the Port Staff, JPD and CCFR. The individual was eventually assisted by CARES.













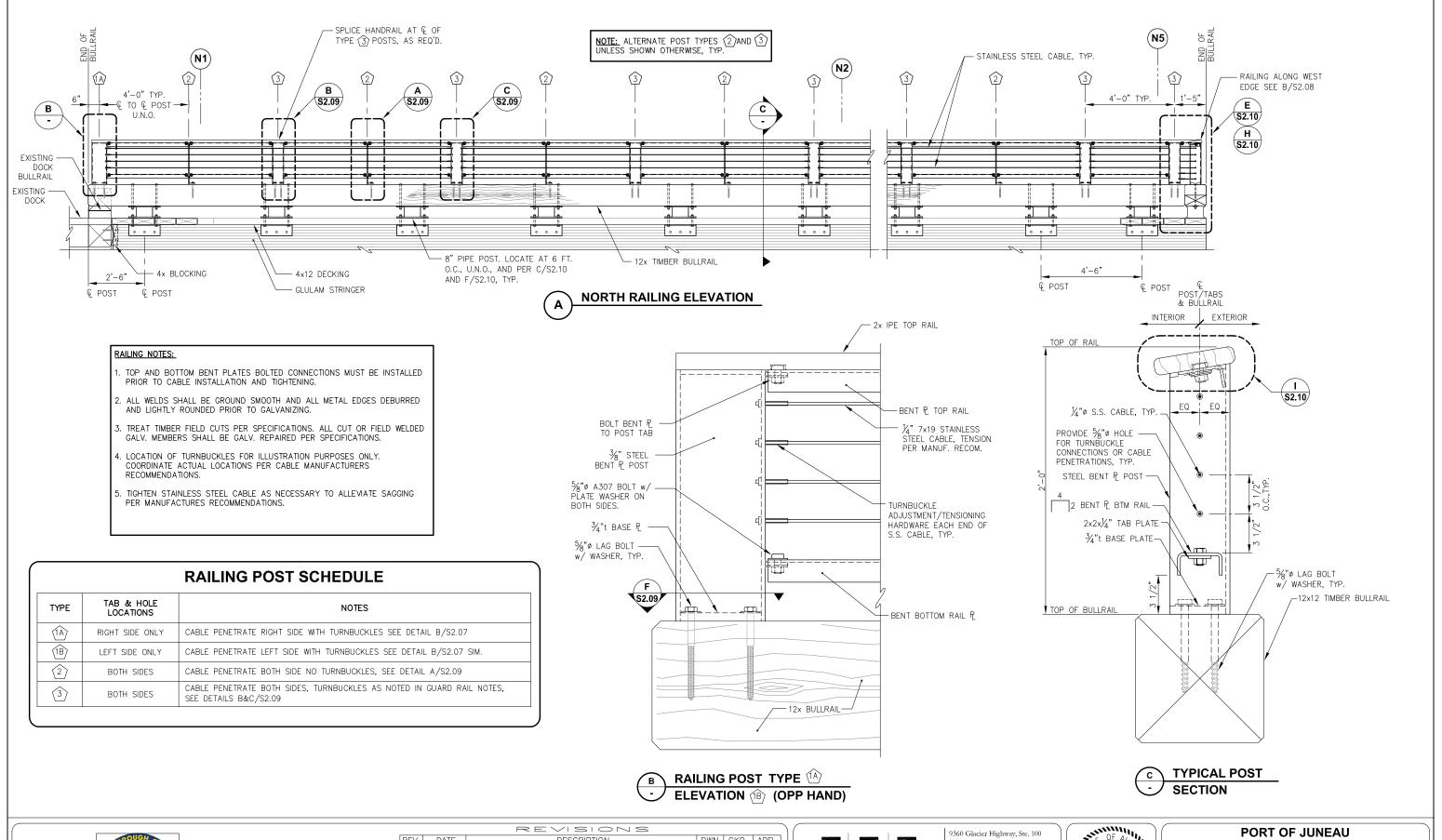




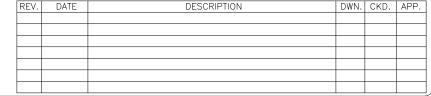














DESIGN: MDS CHECKED: JLD

DRAWN: WRB

APPROVED: CRS

9360 Giacier Highway, Ste. 100 Juneau, Alaska 99801 Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.com

AS SHOWN

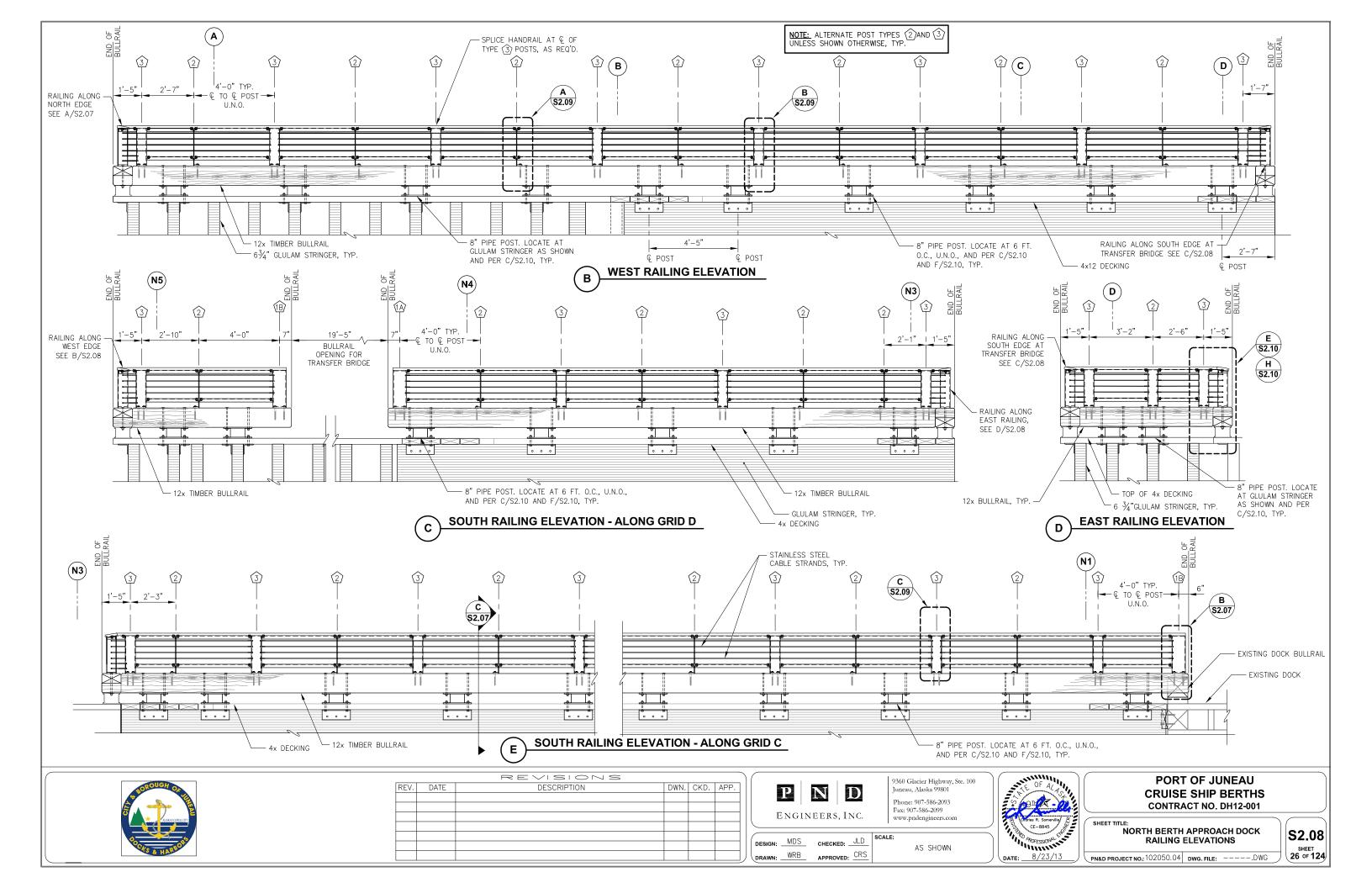
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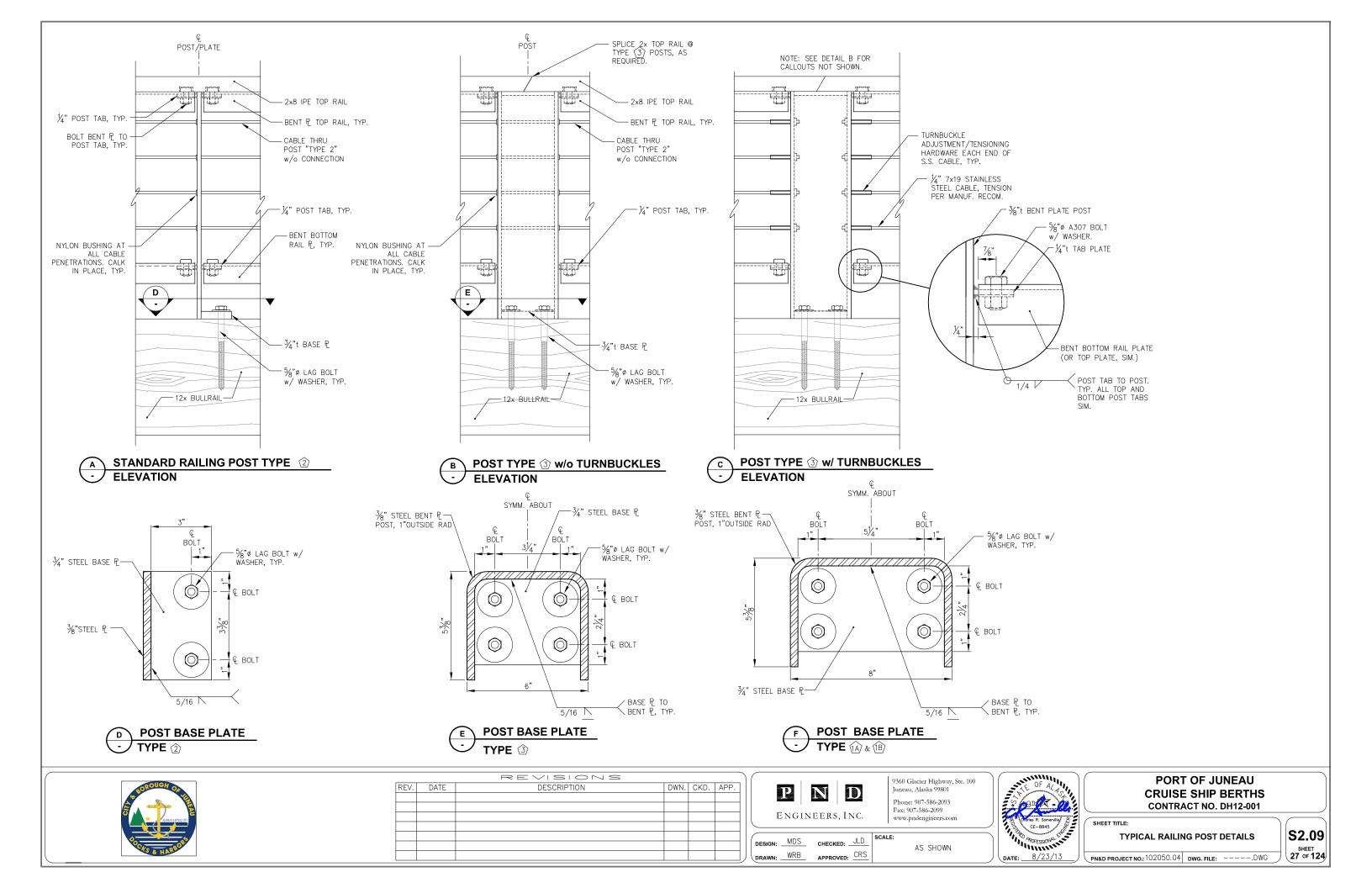
PORT OF JUNEAU
CRUISE SHIP BERTHS
CONTRACT NO. DH12-001

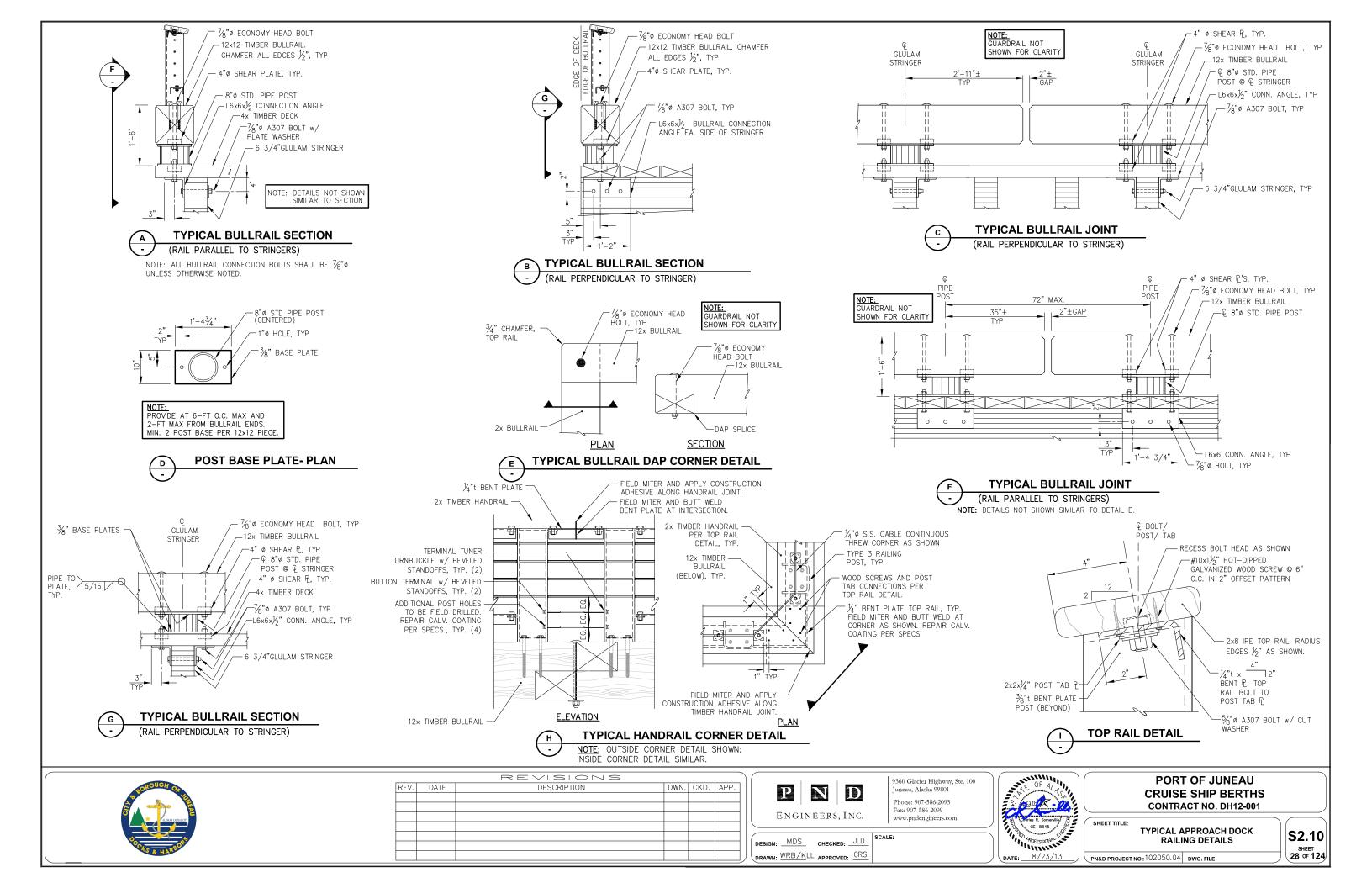
SHEET TITLE:
NORTH BERTH APPROACH DOCK
RAILING ELEVATIONS AND DETAILS

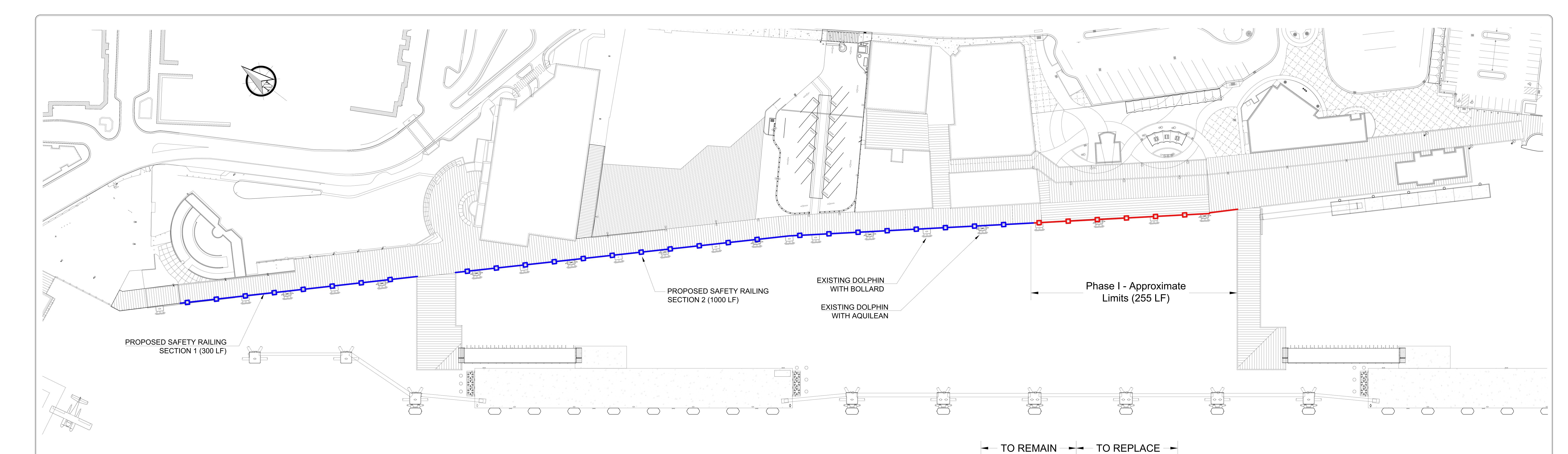
PN&D PROJECT NO.:102050.04 DWG. FILE: ----.DWG

\$2.07 SHEET 25 OF 124









Waterfront Safety Improvements (Complete Project)

Concept level Cost Estimate

Costs based on 2022 Project: Marine Park Deckover

	Units	Quantity	Unit Cost	Amount
Mobilization	LS	All Req'd	\$25,000	\$25,000
Demolition and Disposal of Existing Bullrail	LS	All Req'd	\$50,000	\$50,000
Furnish and Install Pedestrian Guard Rail *	LF	1100	\$1,800	\$1,980,000
Furnish and Install Railing at Dolphins/Aquileans**	EA	20	\$25,000	\$500,000

Estimated Construction Bid Price \$2,555,000

- * 1300 linear feet of waterfront require railing, assume no railing installed in front of Dolphins (20 ea. @ 10 feet wide)
- ** Adding railing to the Dolphins would allow access to safety ladders and provide viewing and seating location, consistent with the current usage today.

Waterfront Safety Improvements - Phase I

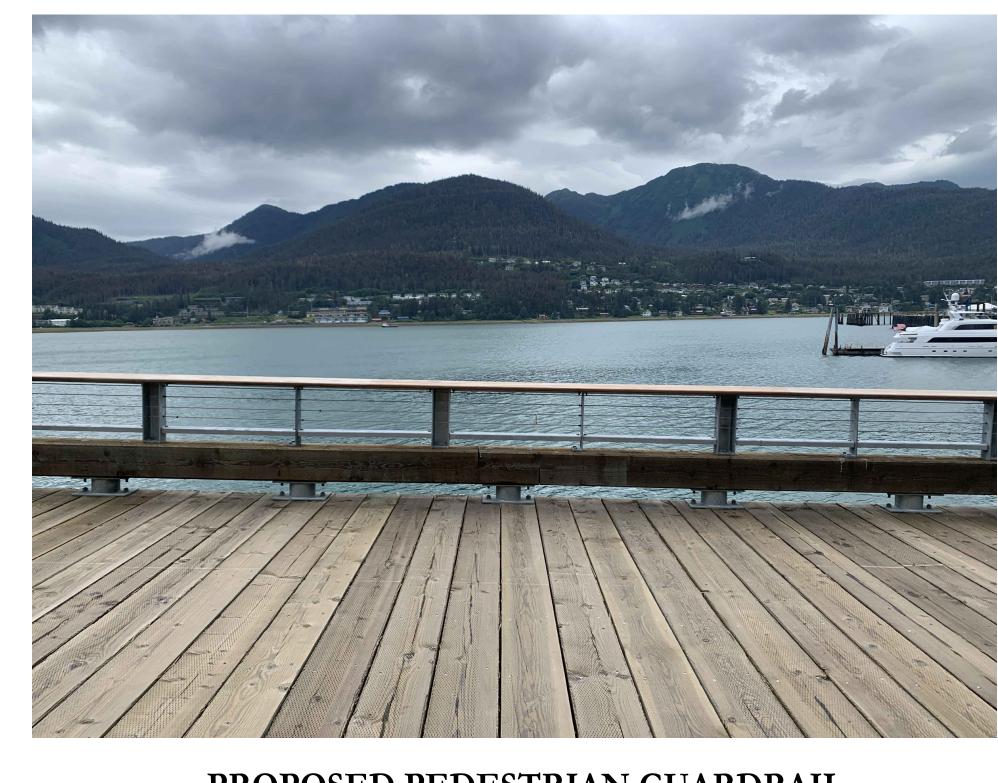
Concept level Cost Estimate

Costs based on 2022 Project: Marine Park Deckover

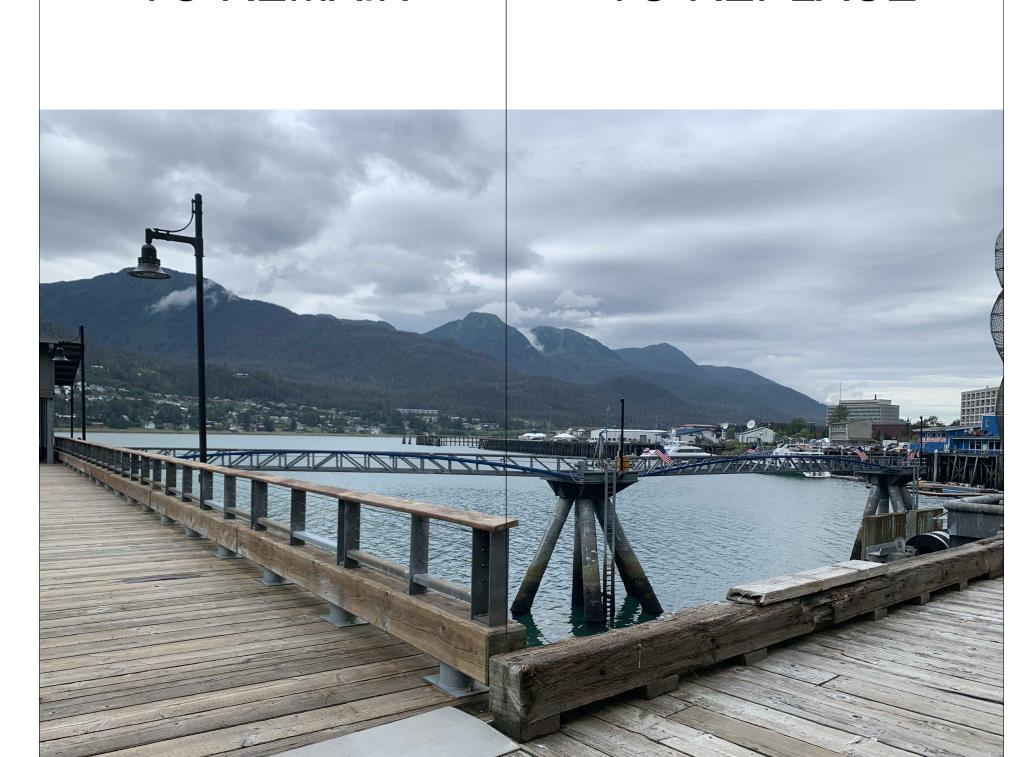
	Units	Quantity	Unit Cost	Amount
Mobilization	LS	All Req'd	\$15,000	\$15,000
Demolition and Disposal of Existing Bullrail	LS	All Req'd	\$10,000	\$10,000
Furnish and Install Pedestrian Guard Rail *	LF	225	\$1,800	\$405,000
Furnish and Install Railing at Dolphins/Aquileans**	EA	3	\$25,000	\$75,000
Estimated (\$505,000			

^{*} Bid price will determine full length of Pedestrian Guard Rail installed under this phase. Length shown is an estimate.

COMPLETE PROJECT AND PHASE I
PRELIMINARY COSTS



PROPOSED PEDESTRIAN GUARDRAIL
CURRENTLY INSTALLED AT MARINE PARK



PROPOSED PEDESTRIAN GUARDRAIL
CURRENTLY INSTALLED AT AS & CT APPROACH DOCKS

CITY AND BOROUGH OF JUNEAU

DOCKS & HARBORS

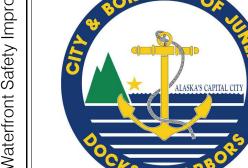
155 SOUTH SEWARD STREET

JUNEAU, ALASKA 99801

PHONE: 907-586-0292

CONCEPT SITE PLAN

DESIGN: MS DATE: OCTOBER 2023



CHECKED: CU CONTRACT NO.: X

APPROVED: CU FILE NO. X SHEET:

1

^{**} Adding railing to the Dolphins would allow access to safety ladders and provide viewing and seating location, consistent with the current usage today.