

**Agency: Commerce, Community and Economic Development****Grants to Municipalities (AS 37.05.315)****Grant Recipient: Emmonak****Federal Tax ID: 92-0042949****Project Title:****Project Type: Remodel, Reconstruction and Upgrades**

## Emmonak - Port Improvements

**State Funding Requested: \$3,000,000****House District: 39 / T**

Future Funding May Be Requested

**Brief Project Description:**

This project will provide funding for the construction of the Port of Emmonak. This project contributes to the department's mission of promoting a healthy economy and strong communities by providing economic growth in the communities it serves. The general obligation bond authorization is considered one-time in nature and is not expected to fully fund the project.

**Funding Plan:**

Total Project Cost:	\$16,000,000
Funding Already Secured:	(\$0)
FY2013 State Funding Request:	<u>(\$3,000,000)</u>
Project Deficit:	\$13,000,000

*Funding Details:**FY 2009-\$516,000***Detailed Project Description and Justification:**

This project will provide funding for the construction of port facilities in Emmonak to serve the commerce and commercial fishery activities of Emmonak and the lower Yukon region.

The Port of Emmonak would serve the Yukon River Delta, providing direct benefits to the surrounding communities of Alakanuk, Kotlik, and Nunam Iqua. Additionally, Emmonak serves as the transportation hub for the Lower and Middle Yukon River, which includes the communities of Mountain Village, Pitkas Point, St. Mary's, Pilot Station, Marshall, Russian Mission, Holy Cross, Anvik, and Grayling. Emmonak as a regional port would serve a population of over 5,375 residents and a multitude of business activity, including commercial fishing, and energy fuel shipments.

**Project Timeline:**

FY 13 and FY 14

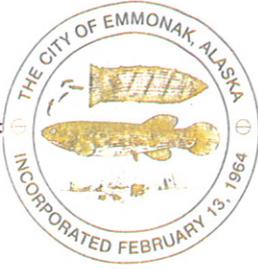
**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

City of Emmonak

**Grant Recipient Contact Information:**

Name:	Martin Moore
Title:	City Manager
Address:	PO Box 9 Emmonak, Alaska 99581
Phone Number:	(907)949-1227
Email:	emkcity@gmail.com

Has this project been through a public review process at the local level and is it a community priority?  Yes  No



# City of Emmonak

P.O. Box 9, Emmonak, Alaska 99581  
(907) 949-1227 • (907) 949-1249 • Fax (907) 949-1926  
email: [emkcity@gmail.com](mailto:emkcity@gmail.com)

November 10, 2011

The Honorable Sean Parnell  
Governor of Alaska  
P.O. Box 110001  
Juneau, AK 99811-0001

OFFICE OF  
MANAGEMENT & BUDGET

NOV 21 2011

Re: Funding for Development and Construction of the Emmonak Port

Dear Governor Parnell:

The City of Emmonak is pleased to inform you that it is near completion of its design and engineering work for the City of Emmonak Port under a \$516,000 grant from the State of Alaska in 2009. As the next step, the City is now seeking additional grant funds to construct the port and dock facility that has the potential to become a significant asset for the lower Yukon region and the State of Alaska.

Emmonak is centrally located at the mouth of the Yukon River and serves as a gateway to the lower Yukon region. The potential for a functional port on the lower Yukon at Emmonak is significant – its natural deep water is suitable for deep draft vessels and it would be an ideal regional hub. There are no other similar ports on the lower Yukon that could potentially help service area villages from Alakanuk, Kotlik, Mountain Village, Saint Mary's upriver to Holy Cross.

Indeed, this project is long overdue. It's hard to imagine the Mississippi River without a port facility at its terminus in New Orleans. And yet, in 2011, Alaska does not have adequate facilities at the mouth of its largest river, the Yukon. This must change for the lower Yukon region to continue surviving. Annually increasing fuel prices continue to drive the region's people into poverty and to the edge of survival. Meanwhile, the collapse of the Yukon River fishery has been devastating for the region's economy, and notably for Emmonak residents, who have historically relied on fishing income.

The Honorable Sean Parnell  
November 10, 2011  
Page 2

But the potential development and construction of the Emmonak Port offers a significant opportunity for jobs, lasting infrastructure, and a means to lower the transportation costs for the region's fuel and supplies. After numerous field studies and countless meetings with City officials and industry operating on the Yukon, our engineers have completed their design and Emmonak is now pursuing funding for construction. The project in Emmonak is estimated at approximately \$16.5 million and is designed to proceed as a single project or in a phased approach (\$10 million Phase 1, and \$6.5 million Phase 2). The construction cost is a fraction of the \$350 million push for port construction in Anchorage but equally important in terms of regional economic benefits.

The Emmonak Port also has great promise as a receiving and distribution center for liquefied natural gas as Alaska gears up for production, pipelines, and export. Emmonak has been at the forefront of Alaska's rural energy crisis and the port will offer an ideal foundation to receive and transport liquefied natural gas to the region's villages and beyond. This concept is similar to the 1999 salmon market crash when the plummeting market for salmon that had been supported by exports to Japan declined. The slashed salmon prices had devastating affects on Yukon communities, but Emmonak and others requested an airport in the community to help bolster sales to a new market – the lower 48. In a similar manner, Emmonak sees an opportunity here to provide gas to a growing market while giving rural Alaskan communities an opportunity for desperately needed affordable fuel.

The port and dock project is now “shovel ready” in an area of our state in dire need of economic opportunities and a stimulus for growth and development. The Emmonak Port has the potential to spark the regional economy and create many new jobs. It also has the possibility of reducing the costs of living in the lower Yukon region by lowering the costs of shipping goods and fuel.

Your support is critical and the City of Emmonak looks forward to working with you and your administration to advance this project.

The Honorable Sean Parnell

November 10, 2011

Page 3

Thank you for your consideration and ongoing support.

Sincerely,

CITY OF EMMONAK



Wilbur Hootch, Mayor



Martin B. Moore, City Manager

Enclosures: Proposed Port and Dock Facility Overview  
Port and Dock Drawings

cc: Senator Donny Olson  
Representative Neal Foster  
Senator Lyman Hoffman  
Representative David Guttenberg  
Representative Alan Dick  
Karen Rehfield, OMB  
Marc Luiken, DOT  
John Moller, Senior Rural Affairs Advisor  
Ragnar Alstrom, YDFDA  
Kathy Wasserman, AML

## PROPOSED EMMONAK PORT AND DOCK FACILITY PROJECT PHASED CONSTRUCTION

The City of Emmonak proposes to construct a basic port and dock facility in two phases:

(1) Dock/Wharf Area, and (2) Landing Ramp.

### Purpose of Project

The proposed project will meet current and anticipated port and dock needs for Emmonak and the vicinity and for the Lower Yukon River region. The Emmonak port and dock facility will receive improvements to support loading and offloading of barge and landing crafts, for wharfage access for transported materials requiring loading/offloading by crane, and to minimize erosion and erosion potential. The 300-foot long Dock/Wharf will accommodate two barges at a time. The Landing Ramp is capable of handling up to two landing crafts at a time. The objectives are a safe and industrious operation, while minimizing site erosion potential. The design is intended to minimize power consumption for corrosion protection, minimize maintenance costs, and withstand environmental conditions such as icing and flooding at the site.

### Project Scope

The project includes demolition of existing mooring points in the project that are in conflict with project and new mooring piles along river and ramp loading areas. Fourteen (14) cellular cofferdams and perimeter piles. Ten of the cells will be extended out from the existing river bank for docking and wharfage access. Four (4) cells will be in the landing ramp area for ramp sub-foundation support. The facility will be protected from erosion by an armor rock slope protection wall and be protected from corrosion by installation of a cathodic protection system. The project will be constructed in two phases:

Phase 1 – Dock/Wharf Area: Ten cofferdam sheet pile cells will be constructed along the river bank for to obtain adequate access for barges and other marine transportation vessels.

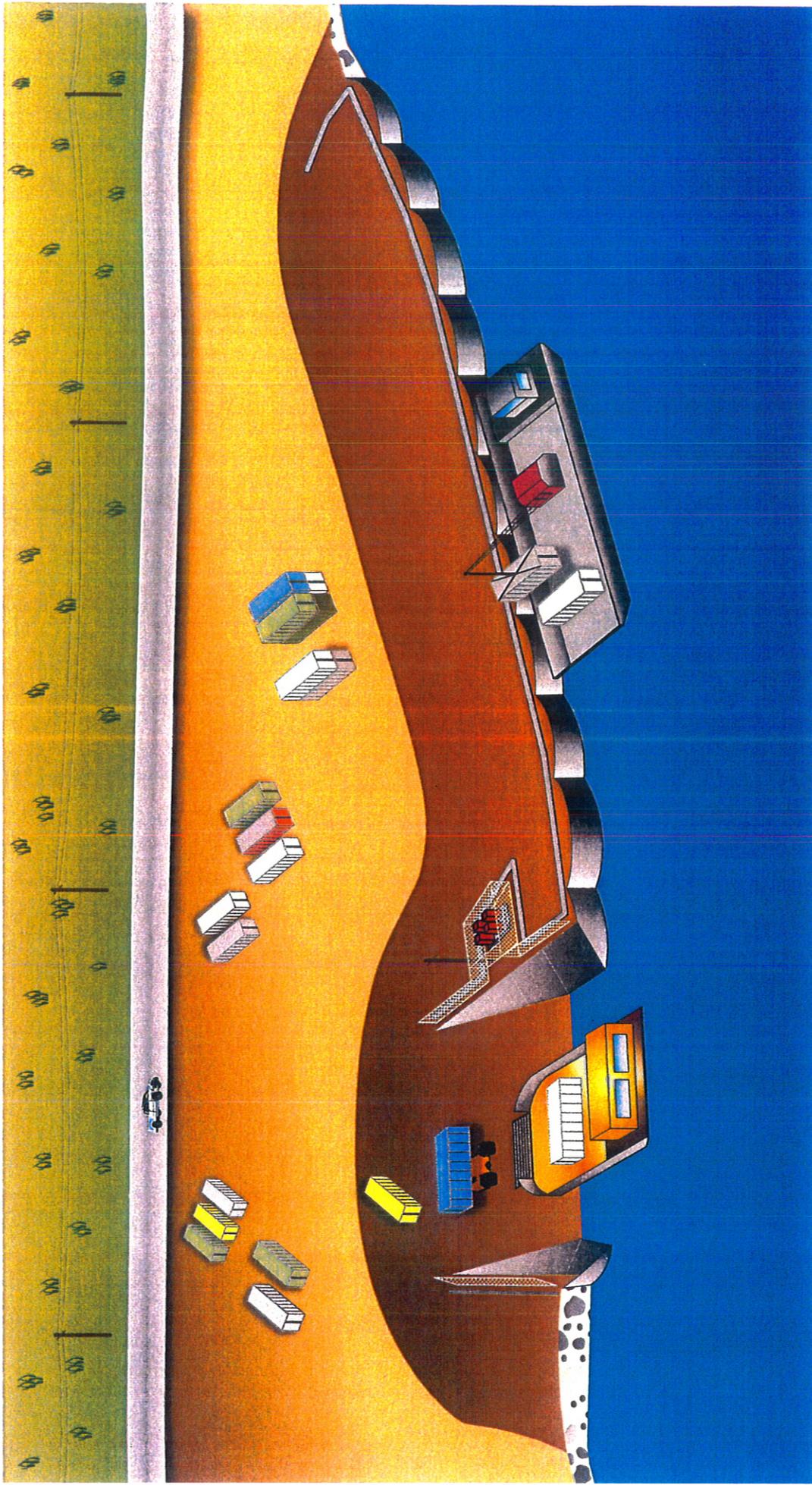
Phase 2 – Landing Ramp: A temporary dewatering dam, four cofferdam sheet pile cells and a 100-foot x 132-foot landing ramp will be excavated into the existing bank for barge and landing craft access.

The project design is at the final draft design stage and is available in October 2011. The final design will be available in November 2011. Environmental permitting is underway and is anticipated to be completed in November 2011.

### Project Plan and Cost

The project is planned in two phases indicated in the table below. The total estimated cost is **\$16,517,000**, and the estimated cost per Phase is included in the table.

Phase	Scope	Estimated Cost
1	Dock/Wharf Area	\$10,045,000
2	Landing Ramp	\$6,472,000
	<b>Total Cost</b>	<b>\$16,517,000</b>



EMMONAK PORT AND DOCK FACILITY

PROPOSED LOWER YUKON REGION  
DOCK AND TRANSSHIPMENT  
FACILITY IN EMMONAK, ALASKA



Figure 1

JOB NO:	EMMO-EMMO-001-0001	DRAWN:	CWS
DATE:	OCTOBER 10, 2011	FILE:	EMMO-RENDER 2



# DOWL HKM

Project #: 1124.60610.01	Date: 11/2/11
To: Martin B. Moore, Sr., Emmonak City Manager - Room #301 c/o Day's Inn, Anchorage - 321 East 5th Ave, Anchorage 99501	
Regarding: Drawings for Emmonak Port and Dock Facility	
Attachments for letter to Governor and Legislators	

We are sending you				<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under Separate Cover
Via courier the following items:					
<input type="checkbox"/> Shop drawings	<input type="checkbox"/> Prints	<input checked="" type="checkbox"/> Plans	<input type="checkbox"/> Specifications		
<input type="checkbox"/> Copy of letter	<input type="checkbox"/> Change order	<input type="checkbox"/> Other	<input type="checkbox"/> Samples		

- 4041 B Street ■ Anchorage, Alaska 99503  
907-562-2000 ■ 907-563-3953 (fax)
- 5368 Commercial Boulevard ■ Juneau, Alaska 99801  
907-780-3533 ■ 907-780-3535 (fax)
- 104 Center Avenue, Suite 206 ■ Kodiak, Alaska 99615  
907-512-0519
- 809 S. Chugach Street, Unit 4 ■ Palmer, Alaska 99645  
907-746-7600 ■ 907-746-6705 (fax)
- 406 North Church Avenue ■ Tucson, Arizona 85701  
520-882-8696 ■ 520-624-0384 (fax)
- 430 W Warner Road, Suite B101 ■ Tempe, Arizona 85284  
480-753-0800 ■ 480-753-0803 (fax)
- 8420 154th Avenue NE ■ Redmond, Washington 98052  
425-869-2670 ■ 425-869-2679 (fax)
- 222 N. 32nd Street, Suite 700 ■ Billings, Montana 59101  
406-656-6399 ■ 406-656-6398 (fax)
- 130 North Main Street, Suite 100 ■ Butte, Montana 59701-2839  
406-723-8213 ■ 406-723-8328 (fax)
- 920 Technology Boulevard, Suite A ■ Bozeman, Montana 59718  
406-586-8834 ■ 406-586-1730 (fax)
- 2701 16th Street NE ■ Black Eagle, Montana 59414  
406-453-4085 ■ 406-453-4288 (fax)
- 104 East Broadway, Suite G-1 ■ Helena, Montana 59601  
406-442-0370 ■ 406-442-0377 (fax)
- 713 Pleasant ■ Miles City, Montana 59301  
406-234-6666 ■ 406-234-7065 (fax)
- 319 S. Gillette Avenue, Suite 301 ■ Gillette, Wyoming 82717  
307-686-4181 ■ 307-686-4858 (fax)
- 945 Lincoln Street ■ Lander, Wyoming 82520  
307-332-3285 ■ 307-332-5795 (fax)
- 1575 N. 4th Street, Suite 105 ■ Laramie, Wyoming 82072  
307-742-3816 ■ 307-742-9741 (fax)
- 16 W. 8th Street ■ Sheridan, Wyoming 82801  
307-672-9006 ■ 307-672-5214 (fax)

Copies	Date	Description
1	March 2011	Selected 8-1/2 X 11 95% design drawings of Emmonak Port and Dock Facility

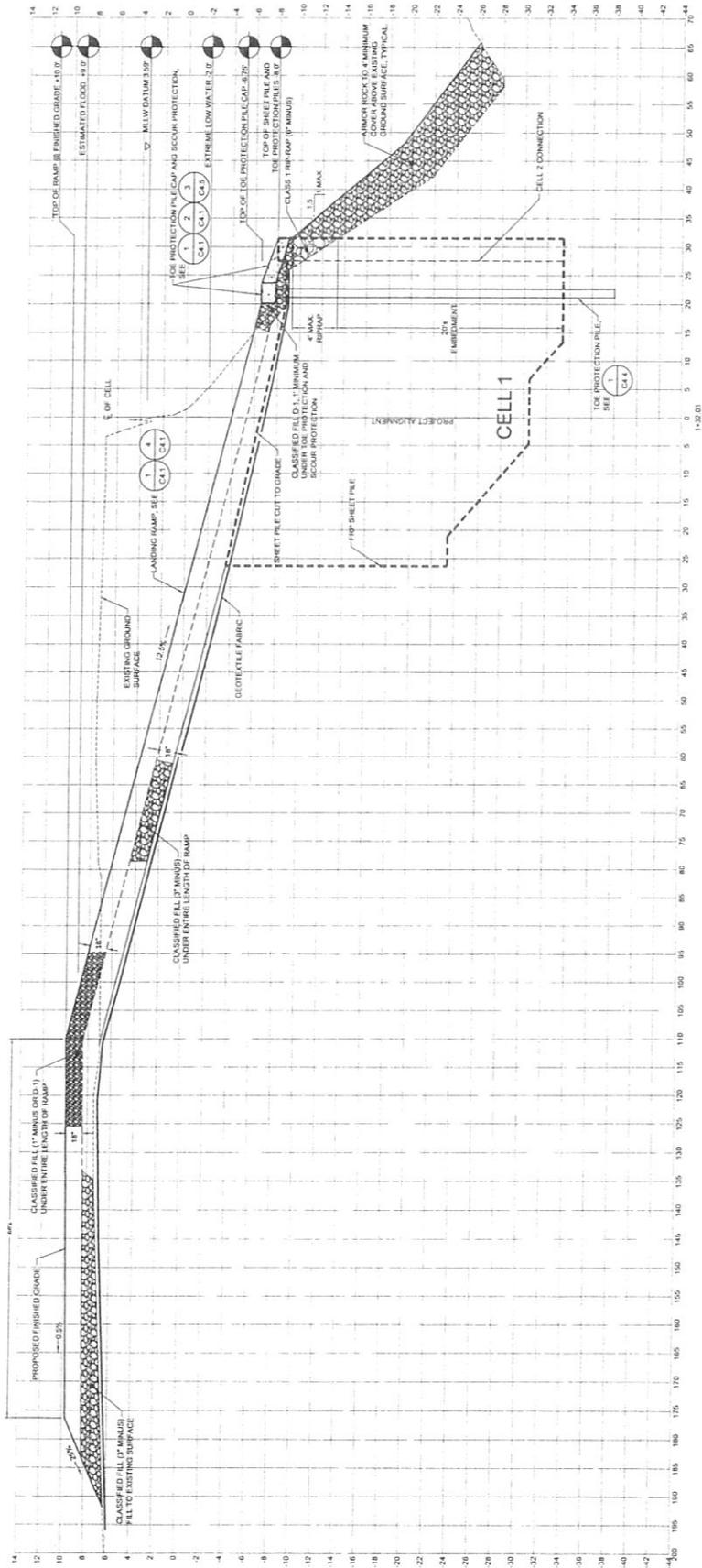
These are transmitted as indicated below:			
<input type="checkbox"/> For approval	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> Resubmit	copies for approval
<input checked="" type="checkbox"/> For your use	<input type="checkbox"/> Approved as noted	<input type="checkbox"/> Submit	copies for distribution
<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Returned for corrections	<input type="checkbox"/> Return	corrected prints
<input type="checkbox"/> For review & comment	<input type="checkbox"/> Prints returned after loan to us		
<input type="checkbox"/> Bids due	<input type="checkbox"/> Other:		

Remarks: Martin,  
Here are copies of 8 drawing sheets showing the proposed design for inclusion in your letter, as requested.  
Thank you. Steve

Copy to: file	Typed Name: Steve Schwicht, P.E., PMP
Signature: <i>Steve Schwicht</i>	







NOTE: CELL 1 SHEET PILE PROFILE, SEE SHEET C3.19

REFERENCES		REVISIONS		RECORD DRAWING CERTIFICATE		CITY OF EMMONAK		DRAWING INFORMATION		EMMONAK PORT AND DOCK FACILITY	
NO.	BY	DATE	DESCRIPTION	NAME	DATE	SEAL	FILE	DRAWING SCALE	DESIGNED BY	CHECKED BY	APPROVED BY
								EMMONAK PORT AND DOCK FACILITY			
								EMMONAK, ALASKA			
								DATE: 03/22/2011			
								JOB NO.: EMMO-EMMO-001-0001			
								REVISION			
								DRAWN BY: JAMES			
								CHECKED BY: GUS			
								APPROVED BY: GUS			
								FILE: CELL 1 SECTION.dwg			
								DATE: MARCH 2011			
								DATE: MARCH 2011			
								DATE: MARCH 2011			
								DATE: MARCH 2011			

EMMONAK PORT AND DOCK FACILITY  
EMMONAK, ALASKA

SHEET PILE CELL 1 SECTION

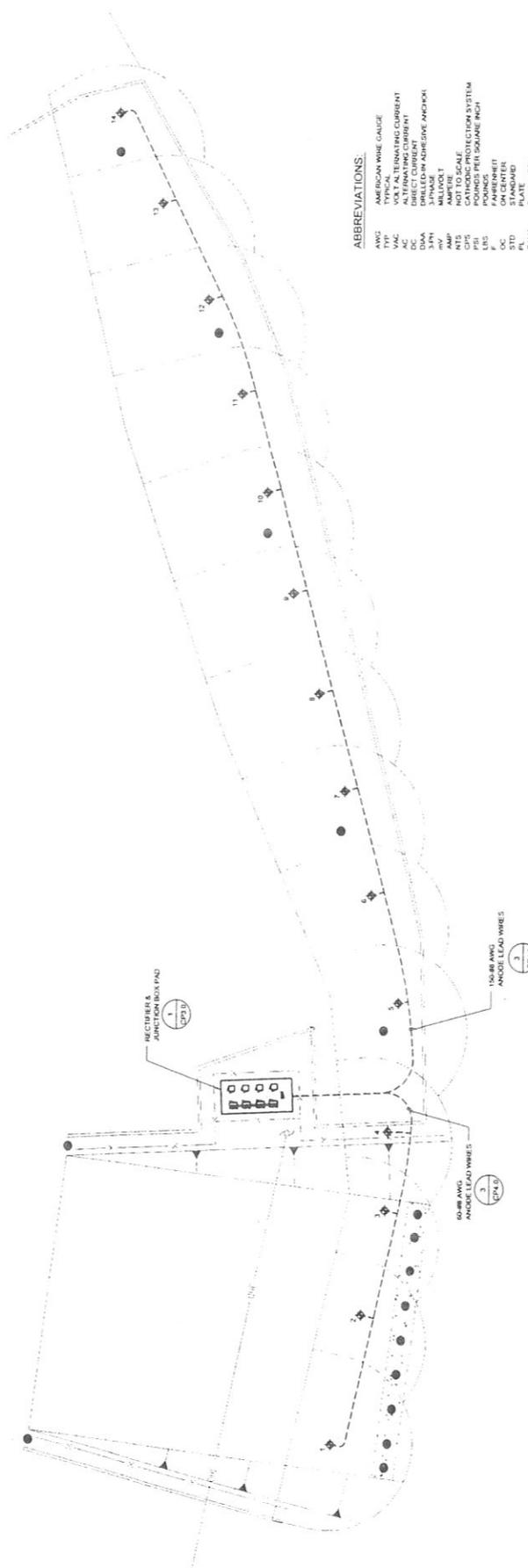
C3.0



DATE: MARCH 2011



- LEGEND:**
- ◆ 150 FT DEEP ANODE GROUND BED
  - PROPOSED TURBIDITY FENCE



- ABBREVIATIONS:**
- AWG AMERICAN WIRE GAUGE
  - VAC VOLTS ALTERNATING CURRENT
  - AC ALTERNATING CURRENT
  - DC DIRECT CURRENT
  - DMA DIMENSIONAL MEASUREMENT
  - DRILLER'S ADHESIVE ANCHOR
  - EPDM ETHYLENE PROPYLENE DIENE RUBBER
  - AMP AMPERE
  - AMPERE SCALE
  - CPIS CATHODIC PROTECTION SYSTEM
  - PPS POUNDS PER SQUARE INCH
  - F FARENHEIT
  - ON CENTER
  - OC OIL CEMENT
  - PL PLATE
  - PL GALVANIZED STEEL
  - SS STAINLESS STEEL
  - MAA MASONRY ANCHOR
  - MM THICKNESS OF AN ANCHOR
  - ASTM AMERICAN SOCIETY OF TESTING MATERIALS
  - ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
  - NFPA NATIONAL FIRE PROTECTION ASSOCIATION
  - OSHA OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
  - NEC NATIONAL ELECTRICAL CODE
  - JBOX JUNCTION BOX
  - CRT CIRCUIT REVERSE THYRISTOR
  - SPDT SINGLE POLE DOUBLE THROW
  - GFCI GROUND FAULT CIRCUIT INTERRUPTER

**1 ANODE GROUND BED PLAN**  
 CP1.0 22-2417-26-67, 11-11-17, 11-26-27



<b>REFERENCES</b> TITLE NO.   BY   DATE   REVISIONS   DESCRIPTION		<b>RECORD DRAWING CERTIFICATE</b> THESE DRAWINGS REFLECT RECORDED INFORMATION ONLY AND DURING CONSTRUCTION INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE. NAME: _____ DATE: _____		<b>DRAWING INFORMATION</b> DRAWING SCALE: 2500 PLAN 1" = 200' 11-11-17 PLAN 1" = 200' DATE: 11-26-27 DESIGNED BY: [Signature] 11-26-27 DRAWN BY: [Signature] 11-26-27 CHECKED BY: [Signature] 11-26-27 APPROVED BY: [Signature] 11-26-27 FILE: 22-2417-26-67		DATE: 11-26-27 DRAWN BY: [Signature] 11-26-27 CHECKED BY: [Signature] 11-26-27 APPROVED BY: [Signature] 11-26-27	<b>EMMONAK PORT AND DOCK FACILITY</b> EMMONAK, ALASKA
						<b>CATHODIC PROTECTION ANODE GROUND BED PLAN</b> CP1.0	



Kwikpak Fisheries, LLC  
1016 West 6<sup>th</sup> Avenue, Suite 301  
Anchorage, Alaska 99501  
P 907-644-0326  
F 907-644-0327

Kwikpak Fisheries, LLC  
P.O. Box 128  
Emmonak, Alaska 99501  
P 907-949-1120  
F 907-949-1123

---

November 15, 2011

Governor Sean Parnell  
Governor of Alaska  
P. O. Box 11001  
Juneau, Alaska 99811-0001

RE: Lower Yukon

Governor:

As you are probably aware, the Lower Yukon fishery suffered a devastating collapse in the late 1990's. This salmon fishery represented the only true cash economy to the residents of the Lower Yukon and for several years the collapse has severely impacted our communities. At one time the Yukon River fishery had an ex-vessel value of nearly 20 million dollars. **In the 2009 the value hit an all-time ex-vessel low of \$690,000.**

During the past 10 years the Chinook fishery has been managed very conservatively by ADF&G, and for the most part there have been no commercial harvests of kings in the Yukon fishery for several years.

However, the chum runs on the Yukon are stable and there is a surplus available for commercial harvest. Our company has invested heavily in a marketing campaign to increase the value of the catch as well as provided additional equipment and training to bring the quality of Yukon salmon up to the highest standards needed to compete in today's markets.

Our efforts are clearly showing a return – **the 2011 value ex-vessel value of the Lower Yukon commercial harvest increased to \$3,400,000 on a harvest of 560,000 fish.** This represents the highest value since the loss of the Chinook fishery and also demonstrates the determination of our communities to maintain their livelihood.

We have well established markets throughout the Lower 48 and one of principle markets is with a very prestigious firm in the United Kingdom. We have fought for these markets and now consider ourselves to be well established with them. Yukon Salmon has a very good market reputation.

2.

At the same time, it is quite evident our region of the State is clearly lacking basic infrastructure that is taken for granted elsewhere in Alaska. Currently, our only means of transporting product is via air which is extremely limited due to our less than adequate airport. Because we have no docking or port facility ocean carriers are not available for shipping product. When our customer from the UK visited our facilities this past season, he was shocked with the current status of the transportation system.

Emmonak being the largest city on the entire Yukon river, the Lower Yukon growing with population, a rebounding of our fisheries, and we are faced with some really serious issues Governor. This port is very badly needed. It is one of those things that as I stated, is more or less taken for granted everywhere in the State. Throughout western Alaska - Nome, Kotzebue, Bethel, Dillingham, etc. all enjoy the benefits of having a basic docking facility for ocean going freight. It allows these areas to not only maintain their economy, but to grow and attract commerce.

Sincerely:

A handwritten signature in black ink, appearing to read 'Jack Schultheis', with a long horizontal flourish extending to the right.

Jack Schultheis  
General Manger  
Kwikpak Fisheries, LLC  
Lower Yukon River, Alaska

**City of Emmonak - Port Improvements**

**FY2013 Request: \$10,000,000**

**Reference No: 46067**

**AP/AL:** Appropriation  
**Category:** Development  
**Location:** Emmonak  
**Impact House District:** Bering Straits (HD 39)  
**Estimated Project Dates:** 07/01/2012 - 06/30/2017

**Project Type:** Construction  
**Recipient:** City of Emmonak  
**House District:** Bering Straits (HD 39)  
**Contact:** JoEllen Hanrahan  
**Contact Phone:** (907)465-2500

**Brief Summary and Statement of Need:**

This project will provide funding for the construction of the Port of Emmonak. This project contributes to the department's mission of promoting a healthy economy and strong communities by providing economic growth in the communities it serves. The general obligation bond authorization is considered one-time in nature and is not expected to fully fund the project.

<b>Funding:</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>Total</b>
G/O Bonds	\$10,000,000						\$10,000,000
<b>Total:</b>	<b>\$10,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000,000</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

FY2009 - \$516,000

**Project Description/Justification:**

This project will provide funding for the construction of port facilities in Emmonak to serve the commerce and commercial fishery activities of Emmonak and the lower Yukon region.

The Port of Emmonak would serve the Yukon River Delta, providing direct benefits to the surrounding communities of Alakanuk, Kotlik, and Nunam Iqua. Additionally, Emmonak serves as the transportation hub for the Lower and Middle Yukon River, which includes the communities of Mountain Village, Pitkas Point, St. Mary's, Pilot Station, Marshall, Russian Mission, Holy Cross, Anvik, and Grayling. Emmonak as a regional port would serve a population of over 5,375 residents and a multitude of business activity, including commercial fishing, and energy fuel shipments.