

**ORDER FOR SUPPLIES OR SERVICES**

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

1. DATE OF ORDER 06/13/2011	2. CONTRACT NO. (If any) DTMA1D08012	6. SHIP TO: Bob Bouchard		
3. ORDER NO. TO-3415	4. REQUISITION/REFERENCE NO.	a. NAME OF CONSIGNEE DOT/Maritime Administration, MAR-810		
5. ISSUING OFFICE (Address correspondence to) DOT/Maritime Administration, MAR-380 1200 New Jersey Ave SE, MAR380 W26-429		b. STREET ADDRESS 1200 New Jersey Ave, SE MAR810 W28-201		
Washington DC 20590		c. CITY Washington	d. STATE DC	e. ZIP CODE 20590
7. TO:		f. SHIP VIA		
a. NAME OF CONTRACTOR		8. TYPE OF ORDER		
b. COMPANY NAME <b>INTEGRATED CONCEPTS AND RESEARCH CORPORATION</b>		<input type="checkbox"/> a. PURCHASE REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.		
c. STREET ADDRESS <b>1033 NORTH FAIRFAX STREET SUITE 400</b>		<input type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.		
d. CITY <b>ALEXANDRIA</b>	e. STATE <b>VA</b>	f. ZIP CODE <b>22314-1540</b>		
9. ACCOUNTING AND APPROPRIATION DATA See Line Item Detail		10. REQUISITIONING OFFICE		

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED	Destination	
<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	<input type="checkbox"/> f. EMERGING SMALL BUSINESS			
13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS	
a. INSPECTION	b. ACCEPTANCE				

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<b>SEE LINE ITEM DETAIL</b>					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO: Tammy Curnett				
	a. NAME DOT/ Enterprise Services Center (ESC) OFO/FAA, Oklahoma City				
	b. STREET ADDRESS (or P.O. Box) MARAD A/P Branch, AMZ-150 PO Box 25710				
	c. CITY Oklahoma City	d. STATE OK	e. ZIP CODE 73125		17(i) GRAND TOTAL \$15,785,117.90

22. UNITED STATES OF AMERICA BY (Signature) <i>Wayne W. Leong</i>	23. NAME (Typed) Wayne Leong TITLE: CONTRACTING/ORDERING OFFICER
---	--



**ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION**

PAGE NO.  
3 of 5

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

DATE OF ORDER 06/13/2011	CONTRACT NO. DTMA1D08012	ORDER NO. TO-3415
-----------------------------	-----------------------------	----------------------

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Steel Procurement and Tail Wall Inspection -- 2011 Construction Season</p> <p>See Clause in Section H for full details of the Work, Requirements, Budget, Deliverables, and References -- all of which are incorporated into this Order in full.</p> <p align="center"><i>Start Date</i>      <i>End Date</i> 06/01/2011      05/31/2012</p> <p>Funding Information: 2011 - - 70X854 - 7000 - - 5POA - - CON500 - 0000150 - - 001 - 25 - 305 - 6100 - 6600 - - \$11,404,111.50</p> <p>2011 - - 70X854 - 7000 - - 5POA - - IEPCON - 0000150 - - 001 - 25 - 305 - 6100 - 6600 - - \$4,381,006.40</p>	1.00	LOT	15,785,117.900	15,785,117.90	

**TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17i)** ⇒ \$15,785,117.90

## TASK ORDER 3415

### Port of Anchorage Intermodal Expansion Project

#### Wet Barge Berth Bulkhead

#### Contract DTMA1D08012

### SUMMARY

This task order ("Order") provides for certain **Work** to be conducted during the 2011 Construction Season, as envisaged in Exhibit A ("Work") and described in detail by certain references in Exhibit F ("Designs, Drawings, Specifications and Other References"). This Work is to be conducted on a hybrid fixed price and time and materials basis to accomplish goals collaboratively established by the Port of Anchorage (POA) and the Maritime Administration (MARAD) to support the Port of Anchorage Intermodal Expansion Project (PIEP).

The **Period of Performance** of this Order is from 8 February 2011 through 30 March 2012. In accordance with the subcontract documents General Conditions, GC 6.4 (Materials and Equipment) and GC 12.7 (One Year Correction Period), a warranty period for subcontractor-supplied materials will be in effect beyond the Task Order's stated period of performance.

The **Schedule** depicts the critical path milestones during which the Work will be accomplished, and is incorporated into this Order as Exhibit B.

The **Budget** for this Order is \$13,886,636.31, as depicted by major task and budget category in Exhibit C. The full detailed budget is incorporated by reference in Exhibit F. Contingency funding estimates are based on calculations contained in the Risk Register (Exhibit F). The budget includes estimates, for planning purposes, for a base fee of 4 percent (\$555,465.45) and an award fee of 1.75 percent (\$243,016.14). The sub-total including base and award fees is \$14,685,117.90. A further \$1,100,000 is included as a contingency to mitigate risk. The Order total is \$15,785,117.90. It is agreed that the parties are in the process of resolving the applicability of fees for this and past work under the PIEP.

The **Deliverables** are incorporated into this Order in Exhibit D.

The **Special Terms and Conditions** are incorporated into this Order in Exhibit E.

The **Designs, Drawings, Specifications and Other References** are incorporated into this Order in Exhibit F.

Accounting data.

70X8547000.2011.5POACON500.0000150001.25305.61006600 \$11,404,111.50

70X8547000.2011.5POAIEPCON.0000150001.25305.61006600 \$4,381,006.40

Procurement Request: MA-PR510-20110051

## **Exhibit A: The Work**

**General.** The phased, multi-year effort currently underway to expand the Port of Anchorage (known as the Port of Anchorage Intermodal Expansion Project [PIEP]) uses an interlocking open cell sheet pile design consisting of waterfront “face” sheet pile with tailwall anchors, also constructed of sheet pile and extending at right angles inland from the face sheets to support the structure. These cells are backfilled to provide the foundation for a pile cap, docking appurtenances, shore-side utilities and other structures to provide various vessel berths.

MARAD is the lead federal agency for this project. Integrated Concepts and Research Corporation (ICRC) is under contract with MARAD to provide technical program management services through incremental Orders. PND Engineers, Inc. (PND) is the designer of the open cell sheet pile system and provides all of the design work for the proprietary, patented open cell sheet pile design as a subcontractor to ICRC. West Construction, also under subcontract to ICRC, provides construction services as described in this Order for the 2011 construction season. Worker safety and environmental permit compliance are paramount during the field execution of the Order.

**Scope of Work.** This Order directs compliant construction efforts at the Port of Anchorage for the 2011 construction season. The major tasks follow:

**Major task: Purchase Steel (Fixed Price).** The purchase and delivery of galvanized steel sheet pile for future construction of the Wet Barge Berth bulkhead is authorized. See Exhibit C, Budget.

**Major task: Mobilization, Removal of Extended Tailwalls at the Wet Barge Berth (Fixed Price and Time and Materials).** This task comprises mobilization and removal of extended tailwalls at the Wet Barge Berth Cells 25-33 (tailwalls 25/26 through 33/34) associated with work found to be non-conforming following installation in 2008 - 2009. Subcontractor mobilization will be on a firm fixed price basis, which includes bonds, insurance, mobilization and site indirect costs. The removal of extended tailwalls includes ground thawing, if necessary, excavation, removal of sheets, backfill, development and implementation of a Storm Water Pollution Prevention Plan and construction-related survey services. Fixed price work efforts include mobilization costs, bonds/insurance and site indirect costs. Direct craft labor work efforts for sheet pile removal will be conducted on a time and materials basis as unknown conditions preclude an accurate estimate of the level of effort and means and methods necessary to complete the required scope of work.

**Major task: Tailwall Inspection (Fixed Price and Time and Materials).** This activity involves inspection of existing tailwalls inshore of the face pile immediately south of the Wet Barge Berth within the area encompassed by North Extension Cells 12 through 32. West Construction will provide construction services to expose four selected tailwalls associated with Cells 14, 15, 27 and 28 (tailwalls 13/14, 14/15, 26/27 and 27/28) to allow inspection of the installed sheet pile. The exposed sheet pile will be securely braced to support exposed sheets as excavation progresses. After excavation, in-place inspection will be performed by others. When inspection is complete, West Construction will backfill the site to grade. Fixed price work efforts include job site indirect costs, required materials for Storm Water Pollution Prevention (SWPP), mobilization and demobilization and bonding/insurance. Time and materials scope includes temporary erosion and pollution control and direct craft labor work efforts for tailwall inspections.

**References.** The Work is described and supported in detail by certain references in Exhibit F: Designs, Drawings, Specifications and Other References.

## **Exhibit B: The Schedule**

The following critical path milestones comprise the Schedule for the Work directed by this Order:

<b><u>Milestone</u></b>	<b><u>Deliverable</u></b>	<b><u>Date</u></b>
Subcontractor NTP	Notification	20 May 2011
A) Purchase Steel	Notification	8 February 2011
B) Remove Extended Tailwalls	Notification	27 April 2011
C) Tailwall Inspection	Notification	27 May 2011
2011 Work Plan	Subcontractor Work Plan	13 June 2011
Receipt of All Sheet Pile	Memo/Inspect. Report	18 July 2011
Substantial Completion	Memo/Inspect. Report	21 November 2011
Final Completion	Memo/Inspect. Report	27 January 2012
Progress Reports	Summary Progress Report	Weekly submittal from ICRC NTP through 27 January 2012; Final Summary Report on 13 February 2012

## Exhibit C: Budget

The summary Budget, listed by major task and budget category, is depicted as follows.

### TO Major Tasks

<b>1</b>	<b>2011 Construction Subcontract (West)</b>		<b>13,078,391.70</b>
2	Order Steel (Priority I)	1	\$ 5,153,066.70
3	Phase I Sheet Pile Removal (FFP)	1	\$ 659,000.00
4	Phase I Sheet Pile Removal (T&M)	1	\$ 1,316,300.00
5	Tailwall Inspections (FFP)	1	\$ 2,051,125.00
6	Tailwall Inspections (T&M)	1	\$ 3,898,900.00
<b>5</b>	<b>Total Cost G&amp;A</b>		<b>\$ 808,244.61</b>
<b>6</b>	<b>Subtotal Proposed TO 3415 Budget</b>		<b>\$13,886,636.31</b>
7	4% Base Fee	1	\$ 555,465.45
8	1.75 Award Fee	1	\$ 243,016.14
<b>9</b>	<b>TOTAL TO 3415 BUDGET <sup>1</sup></b>	<b>1</b>	<b>\$14,685,117.90</b> <sup>1</sup>
	<b>CONTINGENCY (to be assigned by MARAD &amp; POA)</b>		<b>\$ 1,100,000.00</b>

<sup>1</sup> ICRC Contract Award without budget contingency applied as delineated in risk registry; contingency to be assigned to ICRC Contract by MARAD as necessary.

## Exhibit D: Deliverables

ICRC shall submit weekly reports and a summary report as described in this section, in a format approved by MARAD prior to Work commencement. In addition, except as noted otherwise, ICRC shall submit the following deliverables after the notice to proceed is issued as they apply to the scope of TO 3415:

1. Design history documentation and analysis for the design (15 days from NTP)
2. Topographic and bathymetric survey information gathered or used for the design (15 days from NTP)
3. All geotechnical information gathered or used for the design (30 days from NTP)
4. Construction documents
5. Periodic, routine reports (see below)
6. Risk Register
7. Lessons learned report for prior work with recommendations (30 days from NTP)
8. TO 3415 Performance Quality Assurance Plan (see Quality Control and Quality Assurance in this task order) (15 days from NTP)
9. Work Progress and Milestone Acceptance Plan (15 days from NTP)
10. Work Plan by major activities (NTP + 45 days)
  - a) Planned Work Breakdown Structure (WBS)
  - b) Planned schedule including milestones (Gantt chart)
  - c) Planned loaded schedule showing the planned Work
  - d) Planned Work curve
  - e) Planned loaded schedule showing the planned cash flow
  - f) Planned cash flow (S curve)

ICRC shall submit the following reports as noted:

- a) Immediate Report. ICRC must provide effective immediate communication when issues of such significance that require the attention of MARAD, the POA and/or Municipality arise. The form of such communication shall be tailored to the nature of the emergency or issue, especially those instances involving construction that could impact cost, schedule and/or quality.
- b) Weekly Report. Weekly Reports shall be submitted to MARAD, and shall comprise the following items: Summary of work performed; QA/QC items of concern; an updated resource loaded schedule (Gantt chart showing the planned value vs. earned value of Work performed); a progress curve showing planned value vs. earned value of Work performed and a cash flow curve showing planned vs. actual expenditures.

- c) Summary Report. ICRC shall submit a Summary Report for 2011 when Work is completed. The Summary Report shall include a summary of weekly reports, lessons learned, as built drawings and risks managed.

## **Exhibit E: Special Terms and Conditions**

The following special terms and conditions are incorporated into this Order:

**Performance Bonds.** The subcontractor will add the Port of Anchorage as a beneficiary on the performance bond it is securing under their subcontract with ICRC, along with ICRC and MARAD.

**Limit on Authority to Subcontract.** ICRC is not authorized to issue a subcontract that allows the subcontractor to unilaterally stop Work.

**Quality Control/Quality Assurance (QC/QA).** Effective quality management is essential to the successful completion of this Work, especially in light of the challenging environmental and logistical characteristics of the project.

ICRC shall submit, as a deliverable for approval by MARAD and the POA and their designees, a Quality Assurance and Quality Control Plan for the Work contained in this Order (see Exhibit D, Deliverables). The Plan shall address ICRC's Quality Assurance, reporting criteria, thresholds and reporting strategy so as to allow MARAD and the POA and their designees to track the Work and to serve as a timely alert mechanism should construction or other abnormalities signal a need for immediate decision. ICRC shall define in this Plan the reporting forms and applicable specifications and verification methods to be used to verify conformance to subcontract requirements. ICRC shall propose the major activities that will be monitored and documented. The major activities monitored and reported shall allow MARAD to assess the quality of the Work, timely change administration and confidence that the quality of Work meets all requirements and expectations.

**Risk Management.** Risk management is a critical activity and a shared responsibility. MARAD is developing a comprehensive risk mitigation strategy for the Work. Several important risk management activities are contained in this Order as summarized below:

**Risk Register.** A Risk Register specific to the Work provided under this Order has been developed and is incorporated into Exhibit F. The Register identifies and quantifies (in potential cost to the project) risks and identifies responsible parties. Risk factors are contained in the Budget. Other non-budgetary risk mitigation activities are also identified in the Register and will be undertaken via this Order.

**Stakeholder Verification:** By reviewing and consenting to this Order, the parties acknowledge the risks, are satisfied with the measures in place to minimize the risks and accept the costs and implications of such measures.

**Inspection and Acceptance.** Upon satisfactory completion of the Work described in this Order, an authorized representative of the POA will formally indicate acceptance of the Work in writing. The POA representative will be afforded reasonable opportunities to inspect the Work in progress while it is visible. ICRC will provide all appropriate certifications (such as engineer inspection reports, mill certificates and/or laboratory test reports) and other documents that indicate the contractually appropriate inspections or other activities have taken place during the fabrication, construction or testing process. This work progress and milestone acceptance plan will be submitted by ICRC for review and approval by MARAD and the POA within fifteen days of the notice to proceed.

## Section F: Designs, Drawings, Specifications and Other References

1. Detailed Budget
2. Risk Register
3. Extended Wet Barge Berth Bulkhead; 100 Percent designs dated 4/15/11 prepared by PND Engineers
4. Wet Barge Berth Bulkhead Project Extended Tailwall Demolition Plan dated 2/04/11 prepared by PND Engineers
5. Task Order 3415 Executive Summary
6. Task Order 3415 Schedule
7. West Construction Procurement Documentation
  - West Change Orders 2011-01 and 2011-02
    - I-M-3347 TO 3415 West CO11-001\_002 Steel.pdf
    - Notification West Ext WBB Bulkhead Tracking\_2.09.11.pdf
    - West PNM Extended WBB Bulkhead.pdf
    - West COs 2011-01\_02 2.28.11.pdf
    - West COs 2011-01\_02 3.02.11.pdf
    - West CO 2011-01\_Executed.pdf
    - West CO 2011-02\_Executed.pdf
  - West Change Order 2011-03
    - West PNM CO2011-03.pdf
    - West CO 2011-03\_Executed.pdf
  - West Change Order 2011-04
    - West CO2011-04 Fair\_Reasonableness Determination.pdf
8. MARAD Authorizations/NTPs
  - MARAD NTP Authorization Steel\_2.08.11.pdf
  - MARAD Authorization Part A\_3.22.11.pdf
  - MARAD Consent NTP Part A\_4.27.11.pdf
9. ICRC Construction QAQCP\_5.2011.pdf
10. Work Progress and Milestone Acceptance Plan (Cover and Form)

# Port of Anchorage Intermodal Expansion Projects (PIEP)

## TO 3415 - Wet Barge Berth Bulkhead

Activity ID	Activity Name	Start	Finish	% Complete	2011							2	
					Jun	Jul	Aug	Sep	Oct	Nov	Dec		Jan
<b>3415 Wet Barge Berth Bulkhead</b>													
<b>PRIME TASK ORDER (PTO)</b>													
PI MI 33	TO POP End Date	30-Mar-12*	30-Mar-12	0%									
<b>CONSTRUCTION</b>													
<b>TAILWALL REMOVAL</b>													
PI MI 12	Issue Tailwall Removal Change Order to West	08-Feb-11 A	30-Nov-11	40.1%									
PI DEL 6	NTP to West - Tailwall Removal	27-Apr-11 A	21-Mar-11 A	100%									
<b>MATERIALS &amp; INDIRECTS</b>													
MAT MI	Receive MARAD Approval of Steel NTP	08-Feb-11 A		100%									
MOB 5	Steel (Fab, Galv., Delivery)	15-Apr-11 A	06-Jul-11	64.2%	█	█							
MOB 1	Start Up & Staff Indirects	27-Apr-11 A	20-Jun-11	99%	█	█							
MAT MI	Final Steel Shipment Received	18-Jul-11*		0%									
<b>CONSTRUCTION</b>													
IND 01	SWPPP	03-May-11 A	19-Jul-11	62.08%	█								
PI EXC	Excavation	06-May-11 A	14-May-11 A	100%									
IND 02	Survey & Rig UP	06-May-11 A	14-May-11 A	100%									
PI SRL	Pull Sheets	09-May-11 A	14-May-11 A	100%									
PI SRL 1	Backfill	11-May-11 A	18-May-11 A	100%									
PI SRL 3	Clean & Inspect Removed Sheets	19-May-11 A	19-Jul-11	4%	█	█							
<b>TAILWALL INSPECTIONS</b>													
P11 MI 66	MARAD Approval Received NTP - Tailwall Inspe...	20-May-11 A		100%									
P11 MI 63	Issue Change Order to West - Tailwall Inspections	20-May-11 A		100%									
P3 MOB	Tailwall Mobilization / Setup	25-May-11 A	02-Jun-11 A	100%	█								
PI DEL 8	NTP to West - Tailwall Inspection	25-May-11 A		100%									
P3 CON	Tailwall Inspection	31-May-11 A	24-Oct-11	5.08%	█	█	█	█	█	█	█	█	█
P3 CON	Excavate TW M & N	31-May-11 A	20-Jul-11	15%	█	█							
P3 CON	Excavate TW Z & AA	04-Jun-11 A	06-Sep-11	3%	█	█	█						
P3 CON	Dredge TW M & N	21-Jul-11	23-Jul-11	0%		█							
P3 CON 5	Dive Inspection TW M & N	25-Jul-11	28-Jul-11	0%		█							
P3 CON	Dredge TW Z & AA	07-Sep-11	09-Sep-11	0%				█					
P3 CON 7	Dive Inspection TW Z & AA	10-Sep-11	14-Sep-11	0%				█					
P3 DMO	Tailwall Demobilization	25-Oct-11	10-Nov-11	0%						█			
P3 MI 10	Tailwall Inspection Complete	25-Oct-11	10-Nov-11	0%								█	
<b>MATERIALS &amp; INDIRECTS</b>													
P3 CON	Start Up & Staff Indirects	31-May-11 A	30-Nov-11	13.5%	█	█	█	█	█	█	█	█	█
P3 CON	Materials Jersey Barriers & Coir Logs	17-Sep-11*	22-Sep-11	0%				█					

- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

