

PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO. 03 TO CONTRACT NO. 1503
For

Gateway Harbor
715 E. North Water Street
NEW CONSTRUCTION

DATE: Thursday, February 25, 2010

NOTICE OF CHANGES IN CONTRACT DOCUMENTS

The following changes are hereby made in the Contract Documents.

Changes to Book 1 PROJECT INFORMATION, INSTRUCTIONS TO BIDDERS, AND EXECUTION DOCUMENTS:

- Change 1: Revised Unit Price Bid Form includes Lakefill area elements in the list of unit price items, rather than in the Lump Sum portion of the Bid Form.
- Change 2: Revised Unit Price Bid Form changes expiration date for Alternate pricing from April 30, 2011, to April 30, 2010.
- Change 3: Change to Part III, Article Y, line 2: The Bidder agrees that its bid shall be in effect until midnight, Friday, April 30, 2010 and that the bid may not be withdrawn until that time.
- Change 4: Book 1, Section V. Proposal Support Documents, A., line 1 to read as:
Line 1. Base Bid, in figures (from line 43 of Unit Price Bid Form)

Changes to Book 3 TECHNICAL SPECIFICATIONS:

- Change 5: 02000 Floating Dockage System
- A. Paragraph 2.03.A: Delete Paragraph 2. Minimum Dimensions
 - B. Paragraph 2.04.C: All bolts shall be **provided** with flat washers and nylon locking inserts. To prevent galling of nut and bolt, stainless steel nuts shall not be permitted.
 - C. Paragraph 2.08.A.2.a.I: Revise "The materials used for dock skirting shall be 2x8 nominal boards **matching the decking material** in accordance with Paragraph 2.01 of this specification."
- Change 6: 02295 Geotechnical Instrumentation
- A. Replace section in entirety with attached revised section.
- Change 7: 02296 Site Condition Surveys
- A. Replace section in entirety with attached revised section.
- Change 8: 02764 Pavement Joint Sealants
- A. Replace section in entirety with attached revised section.
- Change 9: 02871 Aids to Navigation
- A. Replace section in entirety with attached revised section.
- Change 10: 05121 Structural Steel Platform Framing
- A. Replace section in entirety with attached revised section.
- Change 11: 05502 Metal Sheet Piling, Walers, and Struts
- A. Replace section in entirety with attached revised section.
- Change 12: 05503 Tie Rod Anchors
- A. Replace section in entirety with attached revised section.
- Change 13: 05504 Miscellaneous Metals
- A. Replace section in entirety with attached revised section.

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Change 14: 05505 Landscape Metal Fabrications

A. Revise 2.8 to read:

1. "MESH SCREEN PANELS

A. Gangway Gate

1. Wire Mesh:

- a. Acceptable product is: McNichols Aura 8150 Pre-Galvanized (Part # 3281500048), with 0.389"x 3.78" openings, available through www.mcnichols.com; 1-800-237-3820.
- b. No substitutions will be permitted.

2. Wire Mesh Edging:

- a. Acceptable product is: McNichols Co., 1" U-Edging, available through www.mcnichols.com; 1-800-237-3820.
- b. Material: Galvanized Steel.
- c. No substitutions will be permitted.

B. Cantilever Gate

1. Wire Mesh:

- a. Acceptable product is: McNichols Aura 8150 Aluminum (Part #3781500048) , with 0.389"x 3.78" openings, available through www.mcnichols.com; 1-800-237-3820.
- b. No substitutions will be permitted.

2. Wire Mesh Edging:

- a. Acceptable product is: McNichols Co., 1" U-Edging, available through www.mcnichols.com; 1-800-237-3820.
- b. Material: Aluminum.
- c. No substitutions will be permitted.

C. Planting Screen

1. Wire Mesh:

- a. Acceptable product is: McNichols Aura 8859 Pre-Galvanized Steel, with 1"x 3.42" openings, available through www.mcnichols.com; 1-800-237-3820.
- b. No substitutions will be permitted.

2. Wire Mesh Edging:

- a. Acceptable product is: McNichols Co., 1" U-Edging, available through www.mcnichols.com; 1-800-237-3820.
- b. Material: Galvanized Steel.
- c. No substitutions will be permitted.

D. Pedestrian Gate

1. Wire Mesh:

- a. Acceptable product is: McNichols Aura 8859 Pre-Galvanized Steel, with 1"x 3.42" openings, available through www.mcnichols.com; 1-800-237-3820.
- b. No substitutions will be permitted.

2. Wire Mesh Edging:

- a. Acceptable product is: McNichols Co., 1" U-Edging, available through www.mcnichols.com; 1-800-237-3820.
- b. Material: Galvanized Steel.
- c. No substitutions will be permitted.

B. Revise 2.8D to be re-numbered 2.8 E Door Strike for Gangway Gates.

C. Revise 2.8 E to be re-numbered 2.8F Gangway Gate Locking System.

Change 15: 05506 Site Metal Fabrications

A. Replace section in entirety with attached revised section.

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- Change 16: 05811 Architectural Joint Systems
 - A. Replace section in entirety with attached revised section.
- Change 17: Insert new Section 11150 Gate Access Control System
- Change 18: 16660 Photovoltaic System
 - A. Replace paragraph 1.8 to read:
 - 1.8 **WARRANTY**
 - A. Provide warranties in accord with General Conditions:
 - 1. **Manufacturer's Warranty**
 - a. PV Modules 12 years on 90% of minimum peak power output at STC, and 25 years on 80% of minimum peak power output at STC
 - b. Inverters 10 years w/10 years extended warranty
 - 2. **Installer's Warranty**
 - a. Other electrical 2 years

Changes to DRAWINGS:

- Change 19: Sheets CE7.9, CE7.10 and CE7.11 Structural Cross Sections (*included herein*)
 - A. Seiche cable call out revised
- Change 20: Sheets CE8.1, CE8.3, CE8.4, CE8.5, CE8.7, CE8.8 and CE8.9 Structural Details (*included herein*)
 - A. Removed select stiffener plates from waler.
- Change 21: Sheet CE9.2 Structural Details Cap Beam (*included herein*)
 - A. Modified base of light pole detail 2.
- Change 22: Sheet CE10.1 Commercial Boat Piers, Piers and Pile Location Plan, Drawing Index and General Notes (*included herein*)
 - A. Eliminated all HP 14X89 Piles from west pier.
 - B. Added note for HPX89 Piles for east pier only
- Change 23: Sheets CE10.2 and CE10.3 Commercial Boat Piers
 - A. Added note for HPX89 Piles for east pier only
- Change 24: Sheet C3.1 (*included herein*)
 - A. Revised layout information for grass paver area.
- Change 25: Sheet C4.1 (*included herein*)
 - A. Added Note 1.
- Change 26: Sheet C4.2 (*included herein*)
 - A. Added Notes 6, 7, and 8.
 - B. Added call-out at landside / lake fill interface to see note 8.
 - C. Changed pipe material for proposed sewers as shown.
- Change 27: Sheet C4.3 (*included herein*)
 - A. Changed pipe material for proposed sewers as shown.
- Change 28: Sheet C7.5 SANITARY SEWER PROFILES (*included herein*)
 - A. Pipe material for gravity sanitary sewer changed from ESVCP to **Ductile Iron Pipe**.
- Change 29: Sheet L1.8 (*included herein*)
 - A. Added card reader locations and callouts for gates
 - B. Added northing/easting to vehicular gate, label changed to "automatic parking gate"
 - C. Added dimension to chain link fence gate
- Change 30: Sheet L1.15 (*included herein*)
 - A. Details 1, 7, added edging to wire mesh, label edited to remove material ref. (spec controls)
 - B. Details 1, 7, cable spacing adjusted to be consistent with railing details
 - C. Details 1, 7, notations added for cable and tee sections

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- D. Details 1, 7, latchset reference added to door callout
 - E. Details 1, 7, additional dimensions added for door and brackets
 - F. Details 1, 7, callouts for panel and door frames added
 - G. Details 1, 7, callout organization adjusted for clarity
 - H. Detail 2, added edging to wire mesh, label edited to remove material ref. (spec controls)
 - I. Detail 3, added edging to wire mesh, label edited to remove material ref. (spec controls)
 - J. Details 4, 5, added edging to wire mesh, label edited to remove material ref. (spec controls)
 - K. Details 4, 5, panel outside radius adjusted to consistent 9'-0"
 - L. Details 4, 5, panel overall width set to 4'-0"
 - M. Details 4, 5, extraneous dimensions removed
 - N. Details 4, 5, cap beam detail reference added
 - O. Detail 8, added edging to wire mesh, labels edited to remove material ref. (spec controls)
 - P. Detail 8, section view revised for accuracy
 - Q. Detail 8, drop bar and locking device added
 - R. Detail 8, overall dimension on plan changed to "varies, see plan"
 - S. Detail 8, dimensions added for clarity
- Change 31: Sheet L1.16 (*included herein*)
- A. Detail 1, added edging to wire mesh, labels edited to remove material ref. (spec controls)
 - B. Detail 2, added edging to wire mesh, labels edited to remove material ref. (spec controls)
 - C. Detail 2, removed "aluminum signage" tag
- Change 32: Sheet L1.17 (*included herein*)
- A. Detail 2, gate width dimension changed to "see plan"
 - B. Detail 4, added edging to wire mesh, labels edited to remove material ref. (spec controls)
 - C. Detail 4, latchset reference added to door callout
 - D. Detail 4, dimensions added for clarity
- Change 33: Sheet L1.18 (*included herein*)
- A. Detail 8, revised graphic to match 2/CE9.2.
- Change 34: Sheet L1.19 (*included herein*)
- A. Detail 3, overall length dimension changed to "varies, see plan for jointing"
 - B. Detail 3, overall width dimension changed to 40"-48"
 - C. Detail 3, overhang max. dimension added
 - D. Detail 3, callouts organized for clarity
- Change 35: Sheet L1.20 (*included herein*)
- A. Details 1, 2, plastic gaskets added to signage mounting hardware
- Change 36: Sheet L2.5 (*included herein*)
- A. Detail 9, added edging to wire mesh, labels edited to remove material ref. (spec controls)
 - B. Detail 9, 2x2 frame callout added
 - C. Detail 9, top of posts set to 2" above mesh frames
 - D. Detail 10, callout changed to "steel post"
- Change 37: Sheet EL4.0 (*included herein*)
- A. A note was revised to reference Sheet L1.12, detail 4 for concrete curb information.
 - B. A note was added to reference Sheet L1.12, detail 4 for mounting pad reinforcing information.
- Change 38: Sheet ES1.2 ELECTRICAL SITE PLAN (*changes via this narrative only*)
- A. Revised power feeder tag between the two southern-most gate control panels to read "P9" instead of "P10".
- Change 39: Sheet ES1.7 ELECTRICAL SITE ENLARGED PLANS (*changes via this narrative only*)
- Plan #2 – Revise tag for telecom conduit headed toward the east to read "(4) 4"C."
- Change 40: Sheet ES3.1 ELECTRICAL SITE DETAILS (*included herein*)
- A. Modified sheet notes and detail notes on details 11-15.

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- B. Modified details 1-9 to correctly show grounding and smaller conduit (matching the changes made to Sheet E6.1).
- Change 41: Sheet ES3.2 ELECTRICAL SITE DETAILS *(included herein)*
 - A. Modified sheet notes and detail notes on details 1-8.
- Change 42: Sheet ES3.3 ELECTRICAL SITE DETAILS *(changes via this narrative only)*
 - A. Detail #2 – revised (in the plan view) outside pad dimensions from 8'x8' to read as 8'-0" wide and 6'-0" long; revised interior cutout section of pad dimensions from 6'-10"x27.5" to read as 4'-0" wide and 1'-6" long.
 - B. Detail #6 – corrected spelling of "backfill" on detail note.
- Change 43: Sheet E6.1 ELECTRICAL SCHEDULES *(changes via this narrative only)*
 - A. On the Branch Circuit Feeder Schedule, modified the last two tag lines to read as follows:

P11	1 1/4"	4#4, 2#6, AND #10 GRD	THWN
	1"	4#6, 2#8, AND #10 GRD	THWN
P12	1"	2#6, 2#8, AND #10 GRD	THWN
	1 1/4"	4#4, 2#6, AND #10 GRD	THWN
	1"	4#6, 2#8, AND #10 GRD	THWN

Questions and Answers:

Question 1:

Section connection bolts call for 5/8' bolts but does not state quantity. Is this a mandatory minimum regardless of qty. material strength or placement?

Answer 1:

Minimum dimensional requirements have been removed. The structural engineer designing the dockage systems shall be solely responsible for designing for the structural design of the dockage system.

Question 2:

Secondary bracing in the dock sections may not structurally require 2x2x1/4 angle. Diagonals in the trusses may only require round rod. Can these items be determined by the manufacturer's engineer?

Answer 2:

Minimum dimensional requirements have been removed. The structural engineer designing the dockage systems shall be solely responsible for the structural design of the dockage system.

Question 3:

Please clarify that the conduit on Dime pier and the commercial docks from the land side out is this PVC.

Answer 3:

Specification 16130 was updated under Addendum #2 to clarify the conduit installation on Dime Pier (between and within the UACs). On the commercial piers, the conduit is embedded within the concrete slab, and shall be PVC (as it is concrete encased) per Specification 16130.

Question 4:

The irrigation system power is not indicated on any electrical drawing as to pump size, horsepower, conduit and cable size or panel schedule. See drawing L13.5.

Answer 4:

Refer to sheet ES1.6 for the power connection, and sheet E6.3 for the panel schedule that indicates the connection for the irrigation system.

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Question 5:

Re: CE2.3 there is 1 solar powered navigation light and 3 beacon lights. Drawing CE9.7 shows the bases for the beacon lights with a conduit extending from the base to somewhere. We have no fixture or manufacturer schedule for them nor do the drawings show any circuiting. Can you clarify? Are we to include them in our scope?

Answer 5:

Refer to Section 02871 Aids to Navigation, paragraph 2.1.

LIST OF ATTACHMENTS:

Revised Unit Price Bid Form, dated February 25, 2010

- Drawings CE7.9, 1 page (30"x42" format)
- CE7.10, 1 page (30"x42" format)
- CE7.11, 1 page (30"x42" format)
- CE8.1, 1 page (30"x42" format)
- CE8.3, 1 page (30"x42" format)
- CE8.4, 1 page (30"x42" format)
- CE8.5, 1 page (30"x42" format)
- CE8.7, 1 page (30"x42" format)
- CE8.8, 1 page (30"x42" format)
- CE8.9, 1 page (30"x42" format)
- CE9.2, 1 page (30"x42" format)
- CE10.1, 1 page (30"x42" format)
- CE10.2, 1 page (30"x42" format)
- CE10.3, 1 page (30"x42" format)
- C3.1, 1 page (30"x42" format)
- C4.1, 1 page (30"x42" format)
- C4.2, 1 page (30"x42" format)
- C4.3, 1 page (30"x42" format)
- C7.5, 1 page (30" x 42" format)
- L1.8, 1 page (30"x42" format)
- L1.15, 1 page (30"x42" format)
- L1.16, 1 page (30"x42" format)
- L1.17, 1 page (30"x42" format)
- L1.18, 1 page (30"x42" format)
- L1.19, 1 page (30"x42" format)
- L1.20, 1 page (30"x42" format)
- L2.5, 1 page (30"x42" format)
- EL4.0, 1 page (30"x42" format)
- ES3.1, 1 page (30" x 42" format)
- ES3.2, 1 page (30" x 42" format)

- Specifications Section 02295
- Section 02296
- Section 02764
- Section 02871
- Section 05121
- Section 05502
- Section 05503
- Section 05504
- Section 05506
- Section 05811
- Section 11150

END OF ADDENDUM NO. 03

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UNIT PRICE BID FORM

Item No.	Description of Work	Unit(s)	Estimated Quantity	Unit Price	Proposal
1	Steel Pipe Pile – Dime Pier	LF	735	\$	\$
2	Battered Piles, HP14x117, Grade 60 – Navy Pier	LF	6,300	\$	\$
3	Battered Piles, W14x132 – Navy Pier	LF	1,350	\$	\$
4	Vertical Piles, HP 14x89 – Commercial Boat Piers	LF	430	\$	\$
5	24" x 5/8" Steel Pipe Pile – Commercial Boat Piers	LF	2,000	\$	\$
6	24" x 3/4" Steel Pipe Pile – Commercial Boat Piers	LF	7,000	\$	\$
7	Sheet Pile, Type A – Dime Pier	SF	7,900	\$	\$
8	Sheet Pile, Type C – Dime Pier	SF	147,500	\$	\$
9	Sheet Pile, Type D – Dime Pier and Breakwaters	SF	101,900	\$	\$
10	Sheet Pile, Type E - Breakwaters	SF	33,500	\$	\$
11	Sheet Pile, Type F – East Breakwater	SF	12,400	\$	\$
12	Sheet Pile, Type G – Navy Pier	SF	3,700	\$	\$
13	Sheet Pile, Type H – Navy Pier	SF	1,400	\$	\$
14	Sheet Pile, Type I – Navy Pier	SF	4,100	\$	\$
15	Sheet Pile, Type J – Navy Pier, Commercial Boat Piers	SF	33,900	\$	\$
16	Select Stone (CA-1) – Dime Pier	Tons	11,500	\$	\$
17	Select Stone (CA-7) – Dime Pier and Breakwaters	Tons	16,100	\$	\$
18	Leveling Stone (CA-6) – Dime Pier and Breakwaters	Tons	4,950	\$	\$
19	Type A1 Stone – Breakwaters and Commercial Piers	Tons	12,700	\$	\$
20	Type B1 Stone – Breakwaters and Commercial Piers	Tons	32,000	\$	\$
21	Core Stone – Commercial Piers and Breakwaters	Tons	25,500	\$	\$
22	Breakwater Fill (CA-1 or CM-18 modified or ASTM C-33 (357)) - Breakwaters	Tons	26,000	\$	\$
23	Type A2 Stone – Commercial Piers	Tons	500	\$	\$
24	Stone Columns, 3'0" dia, 30' deep - Lakefill	LF	31,100	\$	\$
25	Cast-In-Place Reinforced Concrete - Lakefill	LS	1	\$	\$
26	Miscellaneous Metals - Lakefill	LS	1	\$	\$
27	Sheet Pile, Type B - Lakefill	SF	17,900	\$	\$
28	W 10x88 Waler, Grade 60 - Lakefill	LS	1	\$	\$
29	Battered Piles HP 14x89, Grade 60 - Lakefill	LF	3,260	\$	\$
30	Non-Woven Geotextile Fabric - Lakefill	LS	1	\$	\$
31	Lake Fill (CA-1 or CM-18 modified)- Lakefill	Tons	75,000	\$	\$

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32	Leveling Stone (CA-6) – Lakefill	Tons	10,900	\$	\$
33	Core Stone - Lakefill	Tons	6,500	\$	\$
34	Type A2 Stone – Lakefill	Tons	650	\$	\$
35	Dynamic Compaction – Lakefill	LS	1	\$	\$
36	Deformation Monitoring Points	EA	78	\$	\$
37	Vibration Control Monitoring Points	EA	7	\$	\$
38	Crack Monitors	EA	15	\$	\$
39	Tiltmeters	EA	17	\$	\$
40	Site Condition Surveys – Lakefill and Lock Area	EA	2	\$	\$
41	Lump Sum Portion (Remainder of all contract scope not included in Unit Price items, above)	LS			\$
42	Commission’s Contingency	LS			\$2,000,000
43	Total Base Bid				\$

AWARD CRITERIA FIGURE

(See Section V. Proposal Support Document, line 15 of Award Criteria Figure):

\$ _____

FOR INFORMATIONAL PURPOSES.

Indicate the amount included in Lump Sum item 13 above for each of the following 3 items.

Improvements to the USACE South Lock Wall	\$
West Commercial Pier	\$
East Commercial Pier	\$

REVISED, UNIT PRICE BID FORM, DATED FEBRUARY 25, 2010

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ALTERNATES

<u>Accepted by the Commission</u>		<u>Alternate Description</u>	<u>Proposed Alternate Price</u>
<u>Yes</u>	<u>No</u>		
<input type="checkbox"/>	<input type="checkbox"/>	Alternate #1-ADD: To provide lpe in lieu of Kebony on Dime Pier.	\$ _____
<input type="checkbox"/>	<input type="checkbox"/>	Alternate #2 -ADD: To provide Kebony in lieu of Southern Yellow Pine on floating docks, while maintaining double-loaded condition.	\$ _____
<input type="checkbox"/>	<input type="checkbox"/>	Alternate #3 -ADD: To provide single-loaded in lieu of double-loaded floating docks, while maintaining Southern Yellow Pine.	\$ _____
<input type="checkbox"/>	<input type="checkbox"/>	Alternate #4 -ADD: To provide Kebony in lieu of Southern Yellow Pine on floating docks, and also provide single-loaded in lieu of double-loaded floating docks.	\$ _____

The Bidder agrees that the cost of the add Alternates shall be in effect until April 30, 2010

<p>SURETY: Please specify full legal name and address of Surety:</p> <p>_____</p> <p>_____</p> <p>_____</p>
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REVISED ALTERNATES, DATED February 25, 2010