

PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO. 02 TO CONTRACT NO. 1503  
For

GATEWAY HARBOR  
715 E. North Water Street  
NEW CONSTRUCTION

DATE: Wednesday, February 24, 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: Rescheduled Bid Opening Date and Time: **Wednesday, March 3, 2010 at 2:00PM**

Change 2: The following documents must be on file with the Commission at the time of bid opening;

1. Financial Statement
2. Disclosure Affidavit
3. Statement of Bidder's Qualifications

Change 3: The attached Value Engineering Provision is hereby made a part of Book 2 as Article 25.

**Changes to Book 2 STANDARD TERMS AND CONDITIONS FOR CONSTRUCTION CONTRACTS**

Change 4: Article 5. Indemnification, Performance & Payment Bond, and Insurance, Section 5.03.1 change to read as follows;

The Contractor must procure and maintain at all times, at Contractor's own expense, through the completion of the **Contractor's** warranty period, the types of insurance specified in Book 1 of the Contract Documents, with insurance companies authorized to do business in the State of Illinois and acceptable to the Commission, covering all operations under this Contract, whether performed by the Contractor or by Subcontractors. Upon written request by the Commission, the Contractor must allow the Commission to review and copy any original insurance policies the Contractor is obligated to maintain under this policy.

**Changes to Book 3 TECHNICAL SPECIFICATIONS:**

- Change 5: Table of Contents  
A. Replace pages 1-5 with attached pages 1-5.
- Change 6: 01010 Gateway Construction Operations Plan  
A. Replace section in entirety with attached revised section.
- Change 7: 01810 General Commissioning Requirements  
A. Replace section in entirety with attached revised section.
- Change 8: 02000 Floating Dockage System  
A. Replace section in entirety with attached revised section.
- Change 9: 02005 Floating Dock Access Gangways

## PUBLIC BUILDING COMMISSION OF CHICAGO

- Change 10: 02010 Ice Suppression System  
A. Replace section in entirety with attached revised section.
- Change 11: 02210 Trenching and Backfilling  
A. Replace section in entirety with attached revised section.  
A. 3.1 Inspection: Delete paragraph C.  
B. Paragraph 3.3: Add **"H. Provide and maintain adequate methods and equipment to properly remove and dispose all water entering trench or other work area. Keep trenches free from water during excavation, fine grading, pipe laying, and jointing."**
- Change 12: 02310 Soil Preparation and Fine Grading  
A. Revise 1.6 B to read "Comply with the requirements of the Occupational Safety and Health Administration, United States Department of Labor."  
B. Delete 1.6 C "Ensure that the Commission Representative has acquired all permits and licenses required to complete work specified herein and shown on the Drawings."
- Change 13: 02295 Geotechnical Instrumentation  
A. Replace section in entirety with attached revised section.
- Change 14: 02296 Site Condition Surveys  
A. Replace section in entirety with attached revised section.
- Change 15: 02485 Stone Materials  
A. Replace section in entirety with attached revised section.
- Change 16: 02486 Stone Placement and Construction  
A. Replace section in entirety with attached revised section.
- Change 17: 03307 Cast-in-Place Reinforced Structural Concrete  
A. Replace section in entirety with attached revised section.
- Change 18: 03410 Plant Precast Structural Concrete  
A. Replace section in entirety with attached revised section.
- Change 19: 05503 Tie Rod Anchors  
A. Replace section in entirety with attached revised section.
- Change 20: 02700 Site Underground Utilities  
A. 1.2 Related Work: Add paragraph G: Section 15305 – Fire Suppression Piping  
B. 3.7 Field Quality Control: Add paragraph C.5.f: Water Mains: Perform Hydrostatic Testing and Disinfection of water mains and lines in accordance with City of Chicago Department of Water Management Standard Specifications Section 33 13 00.
- Change 21: 02710 Sewage Lift Station  
A. 1.10 Warranty Requirements: Change Paragraph A to read "The supplier shall warrant all products to be free from defects in workmanship for a period of ~~one (1) year~~ **two (2) years** from date of completion of installation.
- Change 22: 02751 Portland Cement Concrete Paving  
A. Delete section 2.6.C.
- Change 23: 02761 Unit Paving  
A. Revise 2.1 B.1.b to read "Hanover Appian Prest Brick Natural Finish pavers available through Hanover, 5000 Hanover Road, Hanover, PA 17331, (717) 637-0500,(800) 426-4242, [www.hanoverpavers.com](http://www.hanoverpavers.com).  
B. Add 2.1 B.1.c. to read "Unilock Pavers, Series 3000, Washed Finish pavers available through Unilock Chicago, 301 East Sullivan Road, Aurora, IL, 60505, (630)892-9191.  
1) Size: 6"x6"x3".  
2) Color (see plan for color mix layout):  
a) Outside Rings: Onyx Black.  
b) Inside area: Onyx Black and Mineral Ice grey. See plan."
- Change 24: 02832 Segmental Retaining Walls

## PUBLIC BUILDING COMMISSION OF CHICAGO

- A. Revise 2.1C to read "Preferred Option: Salvaged segmental retaining wall units from adjacent demolished on-site wall in acceptable condition shall be incorporated into wall reconstruction subject to the approval of the AOR."
- Change 25: 02900 Planting of Trees Shrubs and Other Plant Material
- A. Add 1.2 A.3 to read "3. Supply and delivery of advanced purchase trees of 4 inch caliper."
- B. Add 1.4 M to read "Ordering: Be responsible for searching, locating and ordering natural materials with long lead times and/or seasonal dependencies. No extensions of time or variations shall be considered if supply is compromised by late sourcing and/or ordering."
- C. Add 1.4 N. to read "Supply Problems and Substitutions: Submit immediate notice of any supply difficulties and substantiate if any material specified is not obtainable including copies of supplier's correspondence. Submit in writing to the Commission Representative no later than **twenty-one days after the Notice to Proceed** any proposed plant alternatives or substitutions of equivalent size and/or variety with corresponding adjustment of Contract Price. Alternatives shall not be considered after this time."
- D. Add 1.4 O to read "Measurement and Grading
1. Time: The specified sizes and grades shall be at the time of delivery to site. Any assessment or measurement before this time can only be based on the plant characteristics at that time and not any future or predicted growth potential of the plant.
  2. Size: The measurements specified or referenced shall be the minimum sizes acceptable after any necessary pruning and with branches, trunks or canes in their normal position. Plants that meet measurements specified but do not possess a normal balance between height and spread shall be rejected. Plants larger than specified may be used if approved by the AOR. Use of such plants shall not increase the Contract price. If larger plants are approved, increase the root ball size in proportion to the size of the plant."
- Change 26: 05505 Landscape Metal Fabrications
- A. Revise 2.6 A (SEICHE CABLE) to read "Type: ½-inch, 270 ksi, stainless steel cable."
- Change 27: 09310 Ceramic Tile
- A. Replace section in entirety with attached revised section.
1. Added text **09310-2.2-A-7(a-b)**
  2. Deleted text **09310-2.2-A-10(b-d)**
  3. Added text **09310-2.2-A-10(e)**
- Change 28: 09640 Wood Flooring
- A. Replace section in entirety with attached revised section.
1. Added text to section **09640-1.3-B-3,4**
  2. Revised **09640-2.1-A,B**
  3. Added text **09640-3.2-D**
  4. Revised **09640-3.3-C,E**
- Change 29: 10900 Exterior Signage
- A. Revise 2.2 B.3 to read "Special Lettering at Warning Plates: Lettering to be recessed in metal casting and epoxy composite inlay to be applied in areas as shown on drawings for Metal Warning Plate."
- Change 30: 15541 Gas-Fired Duct Heaters
- A. Paragraph 2.1.J.7: delete 'Section "HVAC Instrumentation and Controls".'
- B. Paragraph 2.1.J.8: delete.
- C. Paragraph 3.2.D: replace 'Comply.....Stacks' with **Provide concentric combustion air / flue material.**
- D. Paragraph 3.2.E: delete 'Section "Metal Ducts."'
- Change 31: 15738 Variable Refrigerant Volume Heat Pump System
- A. Replace section in entirety with attached revised section. Section inadvertently omitted from Addendum 01.

## PUBLIC BUILDING COMMISSION OF CHICAGO

- Change 32: 15746 Air cooled DX Makeup Air Unit (attached herein)  
A. Replace section in entirety with attached revised section.
- Change 33: 15755 Indoor Air Handling Units (attached herein)  
A. Replace section in entirety with attached revised section.
- Change 34: 16010 Basic Electrical Requirements  
A. Paragraph 3.9.B.1: delete e, h, and j.  
B. Paragraph 3.9.B.3: delete c.
- Change 35: 16050 Basic Electrical Materials and Methods  
A. Paragraph 2.2: add '**C. Metal items for use outdoors in contact with Kebony decking: stainless steel**'.  
B. Paragraph 3.11.A: delete 8.
- Change 36: 16075 Electrical Identification  
A. Delete all references to MDF and replace with TCR (Telecommunications Room).
- Change 37: 16130 Raceways and Boxes (attached herein)  
A. Replace section in entirety with attached revised section.
- Change 38: 16140 Wiring Devices  
A. Paragraph 1.8: Delete in its entirety.  
B. Paragraph 2.1.A.2: Delete in its entirety.  
C. Paragraph 2.4.B: Delete in its entirety.  
D. Paragraph 2.7.A & 2.7.A.1: change Category 5e to Category 6.
- Change 39: Section 16190  
A. Paragraph 2.2.A: Add '**3. If in contact with Kebony decking, use stainless steel components only.**'  
B. Paragraph 3.1: Add '**F. Outdoor locations in contact with Kebony decking: stainless steel.**
- Change 40: Section 16271 Medium-Voltage Transformers  
A. Paragraph 2.1.A: Add '**8. Howard Industries, Inc.**'
- Change 41: 16315 Overhead Medium-Voltage Pole and Metering  
A. Replace section in entirety with attached revised section. Section inadvertently omitted from Addendum 01.
- Change 42: 16341 Medium-Voltage Switchgear  
A. Replace section in entirety with attached revised section. Section inadvertently omitted from Addendum 01.
- Change 43: Section 16410 Enclosed Switches and Circuit Breakers  
A. Paragraph 1.5.D: Delete in its entirety.
- Change 44: Section 16420 Enclosed Controllers  
A. Paragraph 1.5.C: Delete in its entirety.  
B. Paragraph 2.2.D.3: Delete in its entirety.  
C. Paragraph 3.9.B: Delete in its entirety.
- Change 45: Section 16442 Panelboards  
A. Paragraph 2.2.A.3: Delete in its entirety.  
B. Paragraph 2.8: Delete in its entirety.
- Change 46: Section 16491 Fuses  
A. Paragraph 3.5: Delete in its entirety.
- Change 47: 16521 Exterior Lighting  
A. Replace section in entirety with attached revised section. Section inadvertently omitted from Addendum 01.
- Change 48: Section 16660 Photovoltaic System  
A. Renumber Paragraph 1.7 to 1.8  
B. Add "**1.9 GENERAL COMMISSIONING REQUIREMENTS**"

## PUBLIC BUILDING COMMISSION OF CHICAGO

- C. Add "1.9.A Section 01810 "General Commissioning Requirements" requires the engagement of a Commissioning Agent to document the completion of the mechanical, plumbing, electrical and control systems for the project. Comply with the requirements of Section 01810 as a Commissioning Team member for the commissioning of the various building systems."
- Change 49: 16720 Intrusion Detection System  
A. Paragraph 3.2, Add: 'G. BAS Connection: 1. Provide interface with BAS., and 2. Coordinate exact connection requirements with final BAS Design/Manufacturer.'
- Change 50: 16721 Fire Alarm System (attached herein)  
A. Replace section in entirety with attached revised section.
- Change 51: 17053 Identification for Communications Systems  
A. Remove all references to SCE (concentrator enclosures).  
B. Replace all references to MDF with TCR (Telecommunications Room).  
C. In labeling schematics, MDF has been replaced with TCR.  
D. Paragraph 1.3, insert: "G. TCR: Telecommunications Room"  
E. Paragraph 2.3: Delete in its entirety.  
F. Paragraph 3.13.A.4.a: delete "Shared concentrator in room 232"  
G. Paragraph 3.13.A.4.b: should read "~~Shared concentrator designation is SCE, followed by the room, designation, and number "~~  
H. Paragraph 3.13.A.4.e: Update Table to replace SCE232 SHARED CONCENTRATOR ENCLOSURE ROOM w/OFF109 OFFICE ROOM 109.  
I. Paragraph 3.14.B.3.c: delete in its entirety.
- Change 52: 17100 Commissioning of Communications  
A. Paragraph 1.3: Insert "I. TCR: Telecommunications Room"  
B. Replace all references to MDF with TCR (Telecommunications Room).
- Change 53: 17216 Cabinets, Racks and Enclosures  
A. Paragraph 1.3: Replace E with "I. TCR: Telecommunications Room"  
B. Replace all references to MDF with TCR (Telecommunications Room).
- Change 54: 17231 Copper Backbone Cabling  
A. Paragraph 1.3: Insert "G. TCR: Telecommunications Room"  
B. Replace all references to MDF with TCR (Telecommunications Room)  
C. Paragraph 2.3.C: Add "6. Gel-filled or jacketed to be weatherproof and/or waterproof."
- Change 55: 17250 Communications Horizontal Cabling (included herein)  
A. Replace section in entirety with attached revised section.
- Change 56: 17333 Data Comm Wireless Access Points (included herein)  
A. Replace section in entirety with attached revised section.

### Changes to DRAWINGS:

- Change 57: Sheet G0.2  
A. Added drawing sheets C2.3 and C7.9  
B. Revised title of CE8.1  
C. Added drawing sheet ME1.2  
D. Revised sheet numbers for drawings LI3.1-LI3.6
- Change 58: Sheet CE0.1, Notes, Abbreviations, and Symbols  
A. Modified note 4 to state that existing Dime Pier shall be removed above elevation +1.8 LWD and also to state that organic matter and loose debris (at any elevation) shall be removed from the existing Dime Pier.
- Change 59: Sheet CE2.1, Work Limits & Access  
A. Labeled Lakefill and Stone Revetment  
B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations

## PUBLIC BUILDING COMMISSION OF CHICAGO

- C. Added Toe berm to East Leg, South face Dime Pier
  - D. Added battered piles on west end of skirt wall
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
- Change 60: Sheet CE2.2, Geometric Control Plan
- A. Labeled Lakefill and Stone Revetment
  - B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - C. Added battered piles on west end of skirt wall
  - D. Added Toe berm to East Leg, South face Dime Pier
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
  - H. Provided coordinates for navigation lighting
  - I. Adjusted work points for commercial boat pier
  - J. Adjusted driving line points for commercial boat pier, skirt wall and king pile walls
- Change 61: Sheet CE2.3, Proposed Improvements Plan
- A. Labeled Lakefill and Stone Revetment
  - B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - C. Added Toe berm to East Leg, South face Dime Pier
  - D. Added battered piles on west end of skirt wall
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
- Change 62: Sheet CE2.4, Proposed Dock Plan
- A. Labeled Lakefill and Stone Revetment
  - B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - C. Added Toe berm to East Leg, South face Dime Pier
  - D. Added battered piles on west end of skirt wall
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
  - H. Revised Minimum Navigation width from 60.0' to 60.9'
- Change 63: Sheet CE2.5, Dime Pier Framing Plan
- A. Labeled Lakefill and Stone Revetment
  - B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - C. Added Toe berm to East Leg, South face Dime Pier
  - D. Added battered piles on west end of skirt wall
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
- Change 64: Sheet CE2.6, Dime Pier Deck Plan
- A. Labeled Lakefill and Stone Revetment
  - B. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - C. Added Toe berm to East Leg, South face Dime Pier
  - D. Added battered piles on west end of skirt wall
  - E. Revised Skirt Wall and King Pile wall toe berm locations
  - F. Adjusted limits of stone for north, south and east breakwaters
  - G. Provided lakefill battered pile locations
- Change 65: Sheet CE2.7, Lakefill Compaction Plan
- A. Added dynamic compaction limits

## PUBLIC BUILDING COMMISSION OF CHICAGO

- B. Revised lakefill limits
  - C. Added limits of Proposed IDNR Lake Michigan / Chicago River leakage control project and contractor coordination note
  - D. Added Section D-1 marker
  - E. Added stone column grid detail
- Change 66: Sheet CE2.8, Instrumentation Plan
- A. Adjusted limits of stone for south and east breakwaters
  - B. Changed bottom of sheeting for north and south cell piles
  - C. Adjusted center elevation for north and south cell from +8.0 lwd to +8.15 lwd.
- Change 67: Sheet CE2.9, Navy Pier Plan
- A. Adjusted Commercial Pier, Skirt Wall, King Pile Wall Locations
  - B. Added battered piles on west end of skirt wall
  - C. Revised Skirt Wall and King Pile wall toe berm locations
  - D. Revised Skirt wall and king pile wall dimensions
- Change 68: Sheet CE3.0, Steel Sheet Pile Layout and Schedule
- A. This is new drawing that has been added to summarize the types, wall lengths, and tip/top Elevations of steel sheet piles and king piles for the project.
- Change 69: Sheet CE3.3, Framing Plan – Dime Pier at Breakwaters
- A. Added detail callouts at intersection with breakwaters.
- Change 70: Sheet CE4.1, Deck Plan – North Side of Lakefill, West Leg Dime Pier
- A. Changed “See Marine Drawings” to “See Landscape Drawings” for gangway gate.
  - B. Changed spacing of longitudinal joints.
- Change 71: Sheet CE4.2, Deck Plan – West Leg Dime Pier
- A. Changed panel callout from type C4 to C1.
- Change 72: Sheet CE4.3, Deck Plan – Dime Pier at Breakwaters
- A. Removed seiche cable and posts from west end of East Leg.
  - B. Added dimension leader for Panel D1.
- Change 73: Sheet CE4.4, Deck Plan – East Leg Dime Pier
- A. Added dimension leaders for Panel D1.
  - B. Changed sheet callout for section 7S from 7.9 to 7.10.
- Change 74: Sheet CE4.5, Deck Plan – East Leg Dime Pier
- A. Added dimension leaders for Panel D1.
  - B. Removed select seiche cable and posts from east end of East Leg.
  - C. Added handhole at station 27+74.31.
  - D. Changed panel callout from type F4 to type F3.
- Change 75: Sheet CE4.6, Deck Plan – North Breakwater
- A. Showed longitudinal rebar on west side of breakwater.
- Change 76: Sheet CE4.7, Deck Plan – South Breakwater
- A. Showed longitudinal rebar on east side of breakwater.
  - B. Changed cap plate thickness at end of breakwater from 3/4” to 7/8”
- Change 77: Sheet CE5.1, Typical Sections
- A. Raised proposed grade to account for 3 to 3.5” settlement
  - B. Revised Existing North Pier sheet pile depths
- Change 78: Sheet CE5.2, Typical Sections
- A. Raised proposed grade to account for 3 to 3.5” settlement
  - B. Revised Existing North Pier sheet pile depths
  - C. Added Section D-1
- Change 79: Sheet CE5.4, Typical Sections
- A. Raised proposed grade to account for 3 to 3.5” settlement

## PUBLIC BUILDING COMMISSION OF CHICAGO

- B. Added dynamic compaction limits on east and west end of Section G
- C. Added zone of Vibration Beam compaction for core stone
- Change 80: Sheet CE5.5, Typical Sections
  - A. Revised North South and East breakwater Armor stone thickness
  - B. Adjusted navigation channel width.
- Change 81: Sheet CE5.6, Typical Sections
  - A. Adjusted pile depths for dual cell cofferdam
  - B. Rename "Breakwater Fill" to "Breakwater Fill Cell"
  - C. Adjusted top of cell grade and slope
- Change 82: Sheet CE5.7, Typical Sections
  - A. Adjusted stone thickness for A1 and B1 on Section L
  - B. Adjusted King Pile wall tip depths
- Change 83: Sheet CE5.8, Typical Sections
  - A. Adjusted stone thickness for A1 and B1 on Section N
  - B. Revise toe stone on sections O and P
  - C. Added pile tip elevations to all sections
- Change 84: Sheet CE6.1, Cross Sections
  - A. Revised Existing North Pier sheet pile depths
- Change 85: Sheet CE6.2, Cross Sections
  - A. Revised Existing North Pier sheet pile depths
- Change 86: Sheet CE6.6, Cross Sections
  - A. Added Toe berm to East Leg, South face Dime Pier
- Change 87: Sheet CE6.7, Cross Sections
  - A. Added Toe berm to East Leg, South face Dime Pier
- Change 88: Sheet CE6.8, Cross Sections
  - A. Added Toe berm to East Leg, South face Dime Pier
- Change 89: Sheet CE6.9, Cross Sections
  - A. Added Toe berm to East Leg, South face Dime Pier
- Change 90: Sheet CE7.1, Structural Cross Sections
  - A. Added bottom of slab elevation = 6.97 LWD.
  - B. Correctly spelled the word "grade".
  - C. Section 7B : changed T/SSP elevation to be B/CAP BEAM elvation.
  - D. Changed elevation of geotextile fabric from 3.5 LWD to 5.97 LWD.
- Change 91: Sheet CE7.2, Structural Cross Sections
  - A. Changed bottom of slab elevation from 6.50 LWD to 6.54 LWD.
  - B. Changed callout of slab on right side of section 7D to "CAST-IN-PLACE CONCRETE SLAB".
  - C. In section 7D, changed depth of north side cap beam to 1'-9".
- Change 92: Sheet CE7.3, Structural Cross Sections
  - A. Changed bottom of slab elevation from 6.50 LWD to 6.54 LWD.
- Change 93: Sheet CE7.4, Structural Cross Sections
  - A. Changed bottom of slab elevation from 6.50 LWD to 6.54 LWD.
- Change 94: Sheet CE7.5, Structural Cross Sections
  - A. Changed bottom of slab elevation from 6.50 LWD to 6.54 LWD.
- Change 95: Sheet CE7.6, Structural Cross Sections
  - A. Added callouts indicating slabs are cast-in-place.
- Change 96: Sheet CE7.7, Structural Cross Sections
  - A. Changed T/SSP and B/CAP BEAM elevations for right side of elevation 7M.
  - B. Added SSP callouts for bottom portion of elevation 7M.
- Change 97: Sheet CE7.8, Structural Cross Sections
  - A. Added utility conduits on north side of pier.



## PUBLIC BUILDING COMMISSION OF CHICAGO

- Change 98: Sheet CE7.9, Structural Cross Sections
- A. Added utility conduits on north side of pier, removed conduits from center of pier.
  - B. Changed T/SSP elevation to 3.87, B/CAP BEAM elevation to 3.89.
  - C. Changed depth of outside of cap beam to 1'-8 ¼".
  - D. Changed bearing pad thickness from 3/8" to 1/2".
  - E. Changed B/SLAB elevation for outer panels to from 5.14 LWD to 4.93 LWD (section 7R)
  - F. Changed inside thickness of outer panels from 1'-6" to 1'-8" (section 7R).
  - G. Showed 1/2" bearing pads under outer edge of inside panels (section 7R).
- Change 99: Sheet CE7.10, Structural Cross Sections
- A. Moved handholes from south side to north side of pier. Deleted conduit in center of pier.
  - B. Changed T/SSP elevation to 3.87, B/CAP BEAM elevation to 3.89.
  - C. Changed depth of outside of cap beam to 1'-8 ¼".
  - D. Changed bearing pad thickness from 3/8" to 1/2".
  - E. Changed B/SLAB elevation for outer panels to from 5.14 LWD to 4.93 LWD.
  - F. Changed inside thickness of outer panels from 1'-6" to 1'-8".
  - G. Showed 1/2" bearing pads under outer edge of inside panels.
- Change 100: Sheet CE7.11, Structural Cross Sections
- A. Moved handholes from south side to north side of pier (section 7V).
  - B. Moved conduit from center of pier to north side of pier (section 7U).
  - C. Changed T/SSP elevation to 3.87, B/CAP BEAM elevation to 3.89.
  - D. Changed depth of outside of cap beam to 1'-8 ¼".
  - E. Changed bearing pad thickness from 3/8" to 1/2".
- Change 101: Sheet CE7.12, Structural Cross Sections
- A. Modified SSP tip elevations.
- Change 102: Sheet CE8.1, Structural Details – North Side of Lakefill
- A. Deleted SSP summary table (has been moved to sheet CE3.0, which will be included in Addendum 3).
  - B. Changed titles of details 4 and 5 to read WT16.5x84.5, instead of WT16.5x54.5.
  - C. Modified certain weld callouts to allow shop welding.
- Change 103: Sheet CE8.3, Structural Details – Ends of Dime Pier
- A. Modified certain weld callouts to allow shop welding.
- Change 104: Sheet CE8.4, Structural Details – Dime Pier Framing
- A. Modified tie rod spacing for west leg and east leg. Spacing is now shown as 14'-3" for the west leg, and 9'-6" for the east leg.
  - B. Beveled plates are called out to be per manufacturer's recommendations.
  - C. Modified certain weld callouts to allow shop welding.
- Change 105: Sheet CE8.5, Structural Details – N/S Breakwaters
- A. Beveled plates are called out to be per manufacturer's recommendations.
  - B. Modified certain weld callouts to allow shop welding.
- Change 106: Sheet CE8.6, Structural Details
- A. Changed offset of centerline of gangway dimension from 9'-6" to 10'-0".
- Change 107: Sheet CE8.7, Structural Details – Navy Pier Skirt Wall
- A. Added extra HP14x117 battered piles within 152' of east commercial pier (Detail 1).
  - B. Changed certain battered piles to W14x132's, within 152' of east commercial pier (Detail 1).
  - C. Added grating over skirt wall along south edge of Navy Pier (Detail 2).
  - D. Number of piles and elevations added to south king pile wall (Detail 3).
  - E. Modified king pile wall type along east edge of Navy Pier. This 114' stretch is now comprised of two distinct types of king pile wall (Detail 4).
- Change 108: Sheet CE8.8, Structural Details - Navy Pier Skirt Wall
- A. Adjusted top of skirt wall along south edge to reflect new offset from Navy Pier, new top of SSP elevation, and addition of grating along top of skirt wall (sections 1 and 2).

## PUBLIC BUILDING COMMISSION OF CHICAGO

- B. Added callouts regarding stone to be placed along bottom of SSP (all sections).
  - C. Changed king pile types and elevations (sections 3 through 5).
  - D. Added Section 5, for separate type of king pile wall along east edge of Navy Pier.
  - E. Changed type of coped cap beam adjacent to king pile wall (sections 3 through 5).
- Change 109: Sheet CE8.9, Structural Details – Navy Pier Skirt Wall
- A. Modified details at top of skirt wall to show new offset from Navy Pier, extra row of fenders, new top of SSP elevation, and grating along the top of the skirt wall.
  - B. Modified details at top of king pile wall to show new types of king piles and new type of cap beam adjacent to king pile wall.
  - C. Added detail for attachment of grating support angle to existing Navy Pier.
  - D. Modified spacing of holes on connection WT bracket, as well as size of holes on bracket (details 7 and 8).
- Change 110: Sheet CE8.10, Structural Details – Handhold / Ladder, South Guidewall Rub Stripping
- A. Added 5" schedule 40 pipe at each anchor.
  - B. Added "Gr. 50" to SSP callout.
  - C. Added note 3 (pertaining to seals at ends of channels).
- Change 111: Sheet CE9.1, Structural Details – North Side of Lakefill; Cap Beam
- A. Detail 3 – Showed bearing pads as 1/2" thick.
  - B. Detail 3 – Showed rebar as being a closed tie.
  - C. Detail 4 – Added note concerning installation of threshold plate.
  - D. Detail 4 – Modified title of detail to include SW corner.
  - E. Detail 5 – Called for 1/2" bearing pads along east building.
  - F. Detail 5 – Showed panel on left side of detail as precast.
  - G. Detail 5 – Changed cap beam thickness from 3/4" to 5/8".
  - H. Detail 6 – Added threshold plate over joint.
  - I. Detail 6 – Added wood decking to the east of threshold plate.
  - J. Detail 6 – Changed geometry and rebar configuration of cap beam.
  - K. Detail 6 - Changed B/SLAB elevations on both sides of cap beam.
  - L. Detail 7 – Deleted detail.
  - M. Detail 8 - Showed bearing pads as 1/2" thick.
  - N. Detail 8 - Showed rebar as being a closed tie.
  - O. Detail 9 - Showed bearing pads as 1/2" thick.
  - P. Detail 9 - Showed rebar as being a closed tie.
  - Q. Detail 10 - Showed bearing pads as 1/2" thick.
  - R. Detail 10 - Showed rebar as being a closed tie.
  - S. Detail 11 - Showed bearing pads as 1/2" thick.
- Change 112: Sheet CE9.2, Structural Details – Cap Beam
- A. Detail 3/4– Cap beam plate changed to 5/8" thick, A588 steel
  - B. Detail 2 – Added 1/2" bearing plate, changed number of bolts per connection from 3 to 6, and showed plates and tube to be slotted to allow for conduit.
  - C. Detail 6 – For conduit box, "BY OTHERS" changed to "SEE DETAIL 5 / EL4.0".
  - D. Detail 5/6/7 - Showed bearing pads as 1/2" thick.
  - E. Detail 5/6/7 – Changed thickness of outside of cap beam from 1'-8" to 1'-8 1/4".
  - F. Detail 5/6/7 - Changed T/SSP elevation to 3.87, B/CAP BEAM elevation to 3.89.
  - G. Detail 8 – Showed stiffener plates as A588 steel.
  - H. Detail 12 – Detail modified so that it represents all Dime Pier and arc breakwater cap beams.
- Change 113: Sheet CE9.3, Structural Details – Precast Concrete
- A. Panels A, B, C1, D1, D2, and G2 – Modified rebar
  - B. Panel F3 – Modified to show contractor must design panel so that it fits around light pole base.

## PUBLIC BUILDING COMMISSION OF CHICAGO

- C. Panel F4 – deleted (F4 panels now designated as F3).
  - D. Note 4 – deleted.
- Change 114: Sheet CE9.4, Structural Details – Precast Concrete
- A. Detail 5 – Modified vertical dimensions of inside edge of panel.
  - B. Detail 6 – Modified vertical dimensions of panel.
  - C. Detail 6 – Moved embedded plate and threaded rods (for seiche cable posts) from right to left side.
  - D. Detail 7/8 – Changed #4 rebar to #5 rebar.
  - E. Note 5 – deleted.
- Change 115: Sheet CE9.6, Structural Details – Concrete Joints, Seiche Cable
- A. Detail 3 – Joint width changed to 3/8".
  - B. Detail 3 – Modified to represent both construction and sawcut joints.
  - C. Detail 4 – Title changed to indicate detail applies only to joints in north-south direction.
  - D. Detail 4 – Backer rod callout changed to say only "BACKER ROD".
  - E. Detail 6 – Reference to stainless steel cable deleted. Contractor is advised to see spec section 05505 for cable material.
  - F. Detail 6 - Showed bearing pads as 1/2" thick.
- Change 116: Sheet CE9.7, Structural Details – Breakwater Deck
- A. Detail 3 – Reference to "bent" and "curved" deleted for the cap beam plates, since detail applies to both curved and straight portions of the breakwaters.
  - B. Detail 4 – Transverse rebar shown to be #9 bars, while longitudinal rebar shown to be #8 bars.
- Change 117: Sheet CE9.9, Navigation Details
- A. Changed vertical dimension of footing from 7'-0" to 6'-0".
- Change 118: Sheet CE10.1, Commercial Boat Piers – Piers and Pile Location Plan, Drawing Index and General Notes
- A. Added extra HP14x89 vertical piles.
  - B. Changed battered pile to vertical pile along Navy Pier.
  - C. Showed type of SSP for baffle wall along east pier.
  - D. Modified type of fenders.
  - E. Added extra fender at southeast corner of each pier.
  - F. Added diameter and grade information for 24" piles to notes.
  - G. Modified pile schedule to include pile orientation, diameter and wall thickness, and maximum design tension load.
  - H. Modified general notes to include information on water datum, design ship, and mooring.
- Change 119: Sheet CE10.2, Commercial Boat Piers – Deck Framing Plan
- A. Added extra HP14x89 vertical piles.
  - B. Changed battered pile to vertical pile along Navy Pier.
  - C. Showed type of SSP for baffle wall along east pier.
  - D. Added callouts regarding centerpoint of curve and point of tangency.
- Change 120: Sheet CE10.3, Commercial Boat Piers – Deck Reinforcing Plan
- A. Added extra HP14x89 vertical piles.
  - B. Changed battered pile to vertical pile along Navy Pier.
  - C. Modified type of fenders.
  - D. Added extra fender at southeast corner of each pier.
  - E. Added callouts for pipe piles.
  - F. Added typical fender spacing.
  - G. Removed callout for baseline.
- Change 121: Sheet CE10.4, Commercial Boat Piers – Typical Pier Bent Details
- A. Added reinforcing in pile caps above piles.
  - B. Added note regarding roughening of surface of structural slab for overlay.

## PUBLIC BUILDING COMMISSION OF CHICAGO

- C. Showed width of pile caps in Section F through J.
  - D. Modified location of welded wire mesh in overlay slab (Section N).
  - E. Modified callout for grading of overlay at existing Navy Pier (Section P).
  - F. Added note stating elevations are for top of overlay (Section P).
  - G. Removed normal water datum reference.
  - H. Removed tension ties in middle of pile caps.
- Change 122: Sheet CE10.5, Commercial Boat Piers – Piles, Bollards, Fenders, and Expansion Joint Details
- A. Modified detail 2 to show correct plate layout.
  - B. Modified detail 7 to show revised fenders.
  - C. Modified detail 9 to show revised anchorage of SSP to pile cap.
  - D. Modified section C to show correct SSP type, as well as battered pile type.
  - E. Modified details 4 and 6 to show dimension of pile cap and structural slab.
  - F. Modified detail 5 to show proper splice; wall thicknesses
  - G. Modified section F to show revised anchorage of SSP to pile cap.
  - H. Modified section D to show type of anchor bolts for bollards.
- Change 123: Sheet ME0.1
- A. Revised General Note 7 to clarify the scope of the Sanitary Pumpout System.
  - B. Added General Note 8 regarding Ice Suppression System.
  - C. Renumbered General Notes 9-12.
  - D. Changed "National Fire Protection Agency" to "National Fire Protection Association" in abbreviations.
- Change 124: Sheet ME1.1
- A. All dimensions to Arc breakwater have been updated.
  - B. Deleted references to "-6' LWD."
  - C. Added dimensions for marginal walkways/piers.
- Change 125: Sheet ME1.1A
- A. All dimensions to Arc breakwater have been updated.
  - B. Deleted references to "-6' LWD."
  - C. Added dimensions for marginal walkways/piers.
  - D. Pier N: Revised width of southernmost finger pier from 3' to 6'.
- Change 126: Sheet ME1.2
- A. Added Sheet ME1.2 – Tender Landing Dock Plan & Details
- Change 127: Sheet ME2.1
- A. Added utility note to Proposed Gangway Ramp Detail
  - B. Removed General Notes in the upper right-hand corner.
  - C. Revised dimensions and quantity of pier identification signs on Typical Sign Installation Detail.
- Change 128: Sheet ME4.3
- A. Revised Telecommunication Note No.1 to change JCASS cable to coaxial cable (RG-11).
  - B. Revised Transformer Enclosures Note to remove reference to the manufacturer.
  - C. Removed Firehouse-SS Center Note No.1 regarding layout of fire centers.
  - D. Deleted Manufacturer Logos from the Distribution Panel and Substation Cabinet Details
  - E. Added note to the Distribution Panel and Substation Cabinet Details referencing electrostatically shielded barrier wall.
- Change 129: Sheet ME 5.1 and ME 5.1A
- A. Revised legend to eliminate abbreviations and clarify perforated/non-perforated lines.
  - B. Extended perforated aeration line along the south side of Dime Pier to the west.
  - C. Revised layout of de-icing system aeration line near the southernmost finger pier of Pier N.
- Change 130: Sheet ME 6.1
- A. Added Note 6 to clarify seasonal installation and removal of deck-mounted de-icing equipment.

## PUBLIC BUILDING COMMISSION OF CHICAGO

- B. Revised Typical Aerator Layout Detail for Point Diffusors and Perforated Line to show fully perforated distribution line and to depict a fender pile.
- Change 131: Sheet ME 7.1
- A. Pier F: Trimmed back sanitary sewer suction line to northernmost sanitary hydrant.
  - B. Pier M/N: Clarified dimensions for water main serving these piers.
- Change 132: Sheet ME 7.1A
- A. Pier F: Added terminal water main drain valve.
  - B. Pier G: Added terminal water main drain valve.
  - C. Pier M/N: Clarified dimensions for water main serving these piers.
- Change 133: Sheet ME 8.1
- A. 360° Swivel Sanitary Hydrant Detail: Added graphics depicting 1.5" sanitary hydrant cap.
  - B. Revised title of "Gangway Utility Chase – Utility Schematic Plan" to "Gangway Utility Raceway – Utility Schematic Plan"
  - C. Gangway Utility Raceway – Utility Schematic Plan: Changed 500JCASS Cable to Coaxial Cable (RG-11).
- Change 134: Sheet C2.1
- A. Added notes 23 and 24.
  - B. Added 2 additional structure adjustments.
  - C. Revised call out for promenade removal to clarify "topping slab".
  - D. Added reference to detail showing the existing pier cap section.
  - E. Added requirement to remove concrete promenade topping slab.
- Change 135: Sheet C2.3 (New Sheet)
- A. Added historical information for the existing concrete pier cap.
- Change 136: Sheet C4.1
- A. Removed "pile wall" call-out.
  - B. Revised the catch basin location and rim elevation
- Change 137: Sheet C4.2
- A. Added notes 4 and 5.
  - B. Changed pipe material to Ductile Iron.
  - C. Revised location and information for CB-10.
- Change 138: Sheet C4.3
- A. Changed pipe material to Ductile Iron.
- Change 139: Sheet C5.1A
- A. Revised catch basin and filter location.
- Change 140: Sheet C6.2D
- A. Added Detail 6 – Steel Casing Detail.
- Change 141: Sheet C7.4 Gateway Marina Sanitary and Water Service Plan (included in this Addendum)
- A. Lift Station Detail Clarifications
  - B. The valve per keyed note #3 is to be placed on the north service line.
- Change 142: Sheet C7.6 Navy Pier South Wall Utility Connections
- A. Change callout to read **"Refer to Detail 2, this Sheet (Typ. Of 2 Piers)"**
  - B. Add note: **"An approved flexible expansion joint must be provided for each duct and pipe utility where bridging existing Navy Pier and the new pier structure."**
- Change 143: Sheet C7.8 Utility Details (included in this Addendum)
- A. Enclosure Detail Clarification
- Change 144: Sheet C7.9 Utility Details (included in this Addendum)
- A. This is a new Sheet to the Gateway Project
- Change 145: Sheet L1.1
- A. Revised Materials and Furnishings Schedule
  - B. Callouts organized for improved readability
  - C. Dimension added to located motorized gate

## PUBLIC BUILDING COMMISSION OF CHICAGO

- D. Dumpster area revised/enlarged
- E. Dimensions added to bike rack area and adjacent path
- F. Utility pad dimensioned and note revised to include detail reference
- G. Dimensions added to east building patio
- H. Railing detail tags revised
- I. Scale bars added/relocated to specific plans
- J. Notes for railing P.O.B's added

Change 146: Sheet L1.2

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Railing detail tags revised
- D. Transformer and distribution panel notes revised to include detail reference
- E. Scale bars added/relocated to specific plans

Change 147: Sheet L1.3

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Railing detail tags revised
- D. Transformer and distribution panel notes revised to include detail reference
- E. Utility access door callouts added
- F. Fabric structure pedestal outlines added
- G. Scoring and jointing on arc breakwater revised, layout info added
- H. Score lines added to CIP concrete ramp
- I. Seiche cable notes added
- J. Seiche cable spacing updated
- K. Scale bar relocated to specific plan
- L. Seat wall at breakwater coursing revised and notations added

Change 148: Sheet L1.4

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Cleat detail callouts removed and relocated in furnishings schedule
- D. Seiche cable notes added
- E. Seiche cable spacing updated
- F. Scale bars added/relocated to specific plans

Change 149: Sheet L1.5

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Cleat detail callouts removed and relocated in furnishings schedule
- D. Seiche cable notes added
- E. Seiche cable spacing updated
- F. Navigation light detail callout revised to include sheet reference
- G. Scale bars added/relocated to specific plans

Change 150: Sheet L1.6

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Seat wall detail callout added, layout adjusted
- D. Fabric structure pedestal outlines added
- E. Scoring and jointing on arc breakwater revised, layout info added
- F. Scale bar relocated to specific plan
- G. Seat wall at breakwater coursing revised and notations added
- H. Note for railing end point added
- I. Railing detail tags revised

## PUBLIC BUILDING COMMISSION OF CHICAGO

Change 151: Sheet L1.7

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Seat wall detail callout added, layout adjusted
- D. Fabric structure pedestal outlines added
- E. Scoring and jointing on arc breakwater revised, layout info added
- F. Gate detail, notes and callouts revised
- G. Scale bars added/relocated to specific plans
- H. Seat wall at breakwater coursing revised and notations added
- I. Note for railing end point added
- J. Railing detail tags revised

Change 152: Sheet L1.8

- A. Revised Materials and Furnishings Schedule
- B. Callouts organized for improved readability
- C. Gate detail callouts revised
- D. Silva Cell boundary revised
- E. Fence along limits of disturbance revised
- F. Fence note added
- G. Limits of disturbance notes revised
- H. Tree grate dimensions updated
- I. Island paving revised, enlargement reference and material callout added
- J. Existing bollards and chain symbols added and notated
- K. Scale bars added/relocated to specific plans

Change 153: Sheet L1.9

- A. Revised Materials and Furnishings Schedule
- B. Layout titles revised
- C. Island paving enlargement added
- D. Scale bars added/relocated to specific plans
- E. Updated Tender Landing Dock

Change 154: Sheet L1.13

- A. Detail 7 concrete pad added

Change 155: Sheet L1.14

- A. Detail 1 revised per details on CE8.6
- B. Eliminated notes of "shop drawings required" in details 2,3
- C. Detail 2 steel angle callout reference revised

Change 156: Sheet L1.18

- A. Dimension added to detail 2 section to locate inside edge of rail

Change 157: Sheet L1.20

- A. Detail 3 revised to replace porcelain enamel text with epoxy composite
- B. Details 3,4,5 revised to include studs for embedment into concrete
- C. Text revisions for clarity on details 3,4,5
- D. Eliminated notes of "shop drawings required" in details 3,4,5,7
- E. Details 1,2 note revised to eliminate shop drawing reference
- F. Detail 7 revised to eliminate swing gate and show planting screen, dimensions revised

Change 158: Sheet L2.1

- A. Linetypes for matchlines fixed
- B. Detail tags revised to show MP

Change 159: Sheet L2.5

- A. Detail 9 revised to remove product specific reference
- B. Detail 9 dimensions revised

Change 160: Sheet LI3.1

## PUBLIC BUILDING COMMISSION OF CHICAGO

- Change 161: Sheet LI3.2
- A. Added drip tubing to tree symbol to Equipment Schedule on attached sheet LI3.1.
  - A. Revised irrigation layout for tree irrigation in Silva Cell area on attached sheet LI3.2.
  - B. Added note to limit irrigation to within Silva Cell area on attached sheet LI3.2.
  - C. Revised irrigation mainline layout to accommodate new irrigation to trees in trench along the pier on attached sheet LI3.2.
- Change 162: Sheet LI3.3
- A. Revised irrigation layout for trees in utility trench on attached sheet LI3.3.
- Change 163: Sheet LI3.4
- A. Revised irrigation layout for trees in utility trench on attached sheet LI3.4.
- Change 164: Sheet LI3.6
- A. Added detail D to attached sheet LI3.6.
- Change 165: Sheet A0.1
- A. Delete text "N.I.C." from Future Tenant 110 room tag on **Occupancy Schedule** and drawing 1.
- Change 166: Sheet A1.0
- A. Delete text "N.I.C." from Future Tenant 110 room tag on drawings 2 and 3.
- Change 167: Sheet A3.0
- A. Delete text "N.I.C." from Future Tenant 110 room tag on drawings 5, 6 and 7.
- Change 168: Sheet A8.2, Interior Elevations and Millwork Details
- A. Revised notes to add Access Control items to Contract in elevation 16 on attached sheet **A8.2**.
- Change 169: Sheet A12.1
- A. Delete text "N.I.C." from Future Tenant 110 room tag on **Finish Schedule** and drawing 1.
- Change 170: Sheet A13.0
- A. Delete text "N.I.C." from Future Tenant 110 room tag on drawing 1.
- Change 171: Sheet M0.1 Mechanical Abbreviations, Notes and Symbols
- A. Note 46 revised to read "**ALL UNLINED CONCEALED SUPPLY DUCTWORK SHALL BE INSULATED WITH 1-1/2" THICK FIBERGLASS BLANKET INSULATION EXCEPT IN FAN ROOM. PROVIDE 1-1/2" THICK FIBERGLASS BOARD WITH VAPOR BARRIER FOR SUPPLY DUCT IN FAN ROOM.**"
  - B. Note 49 revised to read "**PROVIDE 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER AND ALL SERVICE JACKET ON ALL INTERIOR POTABLE AND AC CONDENSATE PIPING. PROVIDE 3/4" ARMAFLEX ON REFRIGERANT PIPING. PROVIDE PVC JACKET OVER ALL OUTDOOR INSULATION PIPING.**"
- Change 172: Sheet M1.1 Mechanical floor and Roof Plans
- A. Note 12 added to read "**CONDENSATE PIPING SHALL BE COPPER TYPE 'L'.**"
- Change 173: Sheet M4.1 Airflow and Piping Diagram
- A. Gas Piping note added to read "**PROVIDE CITY OF CHICAGO GAS TRAIN FOR DUCT FURNACE AND WATER HEATER.**"
  - B. Gas Piping note added to read "**PROVIDE ISOLATION VALVE, DIRT LEG AND CITY OF CHICAGO APPROVED FLEX CONNECTION TO DRYERS.**"
- Change 174: Sheet M7.1 Ventilation Schedule
- A. Supply Grille revised from single deflection (301 RL-SS) to **double deflection (300RL-SS)**.
- Change 175: Sheet P1.1 Plumbing Floor and Roof Plans (included in this Addendum)
- A. Provide 3" vent for future Tenant space
  - B. Increase vent piping to accommodate future Tenant space
  - C. Increase cold water pipe size in Mechanical 111
  - D. Provide ball valve for future Tenant water feed
- Change 176: Sheet P3.1 Plumbing Riser Diagrams (included in this Addendum)
- A. Updated in coordination with plan updates on Sheet P1.1



## PUBLIC BUILDING COMMISSION OF CHICAGO

- Change 177: Sheet ES1.2 Electrical Site Plan (included in this Addendum)
- A. Modified multiple services ductbanks to have segregated handholes.
  - B. Revised Keyed Note #5.
- Change 178: Sheet ES1.3 Electrical Site Plan (included in this Addendum)
- A. Modified tags.
- Change 179: Sheet ES1.6 Electrical Site Enlarged Plans (included in this Addendum)
- A. Modified tags; expanded view of enlarged plan #2 to show all notes.
- Change 180: Sheet ES1.7 Electrical Site Enlarged Plans (included in this Addendum)
- A. Modified tags.
- Change 181: Sheet ES2.2 Electrical Site Lighting Partial Plan (included in this Addendum)
- A. Modified conduit tags.
- Change 182: Sheet ES3.3 Electrical Site Details
- A. Detail #6: Revised all callouts referring to "EC" or "Electrical Contractor" to read "**Contractor**"; Corrected spelling of "wiring" to be "**wiring**"; Changed the feeder tag to read "**M3-2**" instead of "M3-35".
- Change 183: Sheet ES3.4 Electrical Site Details
- A. Detail #9: added detail note #3 to read: "**All pullboxes located within UACs to be NEMA 4X rated**".
- Change 184: Sheet E4.1 Electrical Riser Diagram (included in this Addendum)
- A. Modified disconnects on 1<sup>st</sup> riser.
  - B. Modified pier detailing on detail #2.
  - C. Modified barrier callouts on details #2 and #5.
- Change 185: Sheet E4.2 Electrical Riser Diagram
- A. Riser #1: modified transformer service tag to read "From **Primary** Switch".
- Change 186: Sheet E4.3 System Riser Diagrams (included in this Addendum)
- A. Modified notes and tags on risers #1 and #3.
- Change 187: Sheet E4.4 System Riser Diagrams (included in this Addendum)
- A. Modified devices and notes for access control system riser and notes.
- Change 188: Sheet E4.5 System Riser Diagrams
- A. Riser #2: modified riser note #1 to read: "Each enclosure will have a stand-alone timeclock and photocell to signal lighting contactors to on/off positions. Timeclocks to be set in field with **commissioning agent and/or lighting designer**. Refer to schedules for quantity of lighting contactors".
- Change 189: Sheet E6.1 Electrical Schedules (included in this Addendum)
- A. Modified schedules for handholes and conduit/wire.
- Change 190: Sheet E6.3 Electrical Schedules (included in this Addendum)
- A. Modified schedule for DP-2.
- Change 191: Sheet FP1.1 Fire Protection Floor Plans and Riser Diagram (included in this Addendum)
- A. Provide only upright sprinklers where no ceiling exists.

### Questions and Answers:

#### *Question 1:*

*Article 2.02-B-3 specifies a 316 stainless steel fastener for the Kebony decking. Would the fastener in specified in article 2.02-A-5 be acceptable?*

#### Answer 1:

Stainless steel fasteners are specified by the manufacturer of the Kebony decking lumber. Alternate fastener materials or coated fasteners may be accepted by the CR, provided they are accompanied with written approval from the decking manufacturer.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 2:*

*Article 2.04-C specifies that a free-cutting brass nylock nut be used with the hot-dipped galvanized steel bolt for frame attachment. Would a galvanized steel locking nut be an acceptable substitute?*

*Answer 2:*

Galvanized nuts with nylon locking inserts may be accepted, provided they conform to ASTM A563 requirements, are structurally adequate and are compatible with the specified bolt.

*Question 3:*

*Article 3.02-B-2-b specifies a deck structural live load. Would a 50 psf live load be acceptable?*

*Answer 3:*

This live load is for the decking material only. Deck material spans are frequently designed for higher loading than the substructure to prevent decking failure due to local live loads in excess of the specified live load for the dock structure. 100 psf is a common design value for decking materials in a variety of applications. Stringer spans and other structural elements of the floating dock structure may be designed based on the 30 psf loading as specified.

*Question 4:*

*There is a floating dock shown on page L1.9 (far left side of page) that is not shown on any of the other dockage plans. Where does this dock go?*

*Answer 4:*

Tender landing dock plan and details are now included in the plan set as sheet ME1.2.

*Question 5:*

*The pedestal chart in the specs on page 02000-17 conflicts with what is shown on the plans and is not complete. Should we go by the plans?*

*Answer 5:*

We've added a table for single loaded slips and addressed any points of confusion. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

*Question 6:*

*There is a conflict with the specs and plans on the location of the dock ladders. The plans call for one per dock and specs say one on every other finger pier.*

*Answer 6:*

The plans are correct. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

*Question 7:*

*Signage specs -02000-26, 2.16 A.2. Is there signage that is supposed to get mounted to the dock boxes?*

*Answer 7:*

Pedestrian signage shall be installed on the utility pedestals as shown on sheet ME4.3. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

*Question 8:*

*Signage 02000-26, 2.16 C. Pedestrian Slip Identification. What material are these to be made of? Are these stick on?*

## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 8:

The pedestrian signage is Dibond aluminum composite material. Pedestrian signage shall be bolted on and backed with silicone sealant. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

Question 9:

*Please define the limits of the dynamic compaction with a plan section.*

Answer 9:

Dynamic Compaction limits added to sheet CE2.7 (see attached).

Question 10:

*Sheet CE2.9 indicates 99.3 ft of SCZ-26 sheet pile at the east commercial pier. Detail 1 on CE8.7 indicates SCZ-26 and SCZ-30 in this area. Details 2 and C on CE10.5 indicate SCZ-30 sheet pile while Detail B on CE10.5 indicates SCZ-26. Sheet Pile Summary Table on CE8.1 shows SCZ-26 in these areas. The top of pile and tip elevations also are not the same. Please clarify what are the correct sheet pile section and the correct top and tip elevations.*

Answer 10:

Sheet CE2.9 (see attached) has been corrected to indicate the proper sheet piling type and wall lengths. The sheet pile summary table has been revised and moved from CE8.1 to the new drawing CE3.0, which will be included in Addendum 3. Tip elevations, wall lengths, and SSP types shown in sheets CE8.7 through CE8.9 and CE10.1 through 10.5 have been updated. These sheets will be included in Addendum 03.

Question 11:

*Detail 5/CE9.2 indicates a precast cap beam. All other similar details for the cap beam on CE9.1 & CE9.2 show the cap beam as cast in place. Does the contractor have the option of using precast or cast in place for all of the cap beams?*

Answer 11:

The cap beams along the lakefill and on the west leg of Dime Pier are to be cast-in-place, and the cap beams for the east leg of Dime Pier are precast.

Question 12:

*Drawing C4.1 indicates a pile wall at the east side of the lake fill at approximately station 6+00. The CE drawings, including the Sheet Pile Summary Table on CE8.1 do not show any sheeting in this area. Is sheeting required in this area? If so, please furnish sheeting details.*

Answer 12:

Reference to pile wall has been deleted from drawing C4.1.

Question 13:

*Is it assumed that vessels will be moored on the end finger piers on a full time basis ? This has an impact on design wind loads.*

Answer 13:

Wind loads should account for broadside mooring at the end of the finger pier.

Question 14:

*The 3 foot wave climate is dangerous for a boater and boats moored in a marina. Clarify what is meant by this. Are the cleats required in the specs capable of accommodating impact loads from boats experiencing 3 foot waves ?*

## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 14:

Wave conditions associated and dock performance for the various design storms are specified in Section 02000 – Floating Dockage System reissued as part of this addendum.

*Question 15:*

*The utility raceway system needs to be better defined concerning Spec item 2005 page 4 & 5. Item 2.04 F. This raceway system must be discontinued where the gangways come over the dock deck.*

Answer 15:

Correct. See the Detail on the Plans Sheet ME8.1. Due to the variable length of the gangways and the variable distance from the bulkhead at dime pier, the raceways need to be measured for each application.

*Question 16:*

*Are 4 foot corner-walks to be used on 3' and 4' fingers and the 5 foot corner walks used on any fingers greater than 4 feet?*

Answer 16:

4' Fillets are shown at all locations. Subject to CR approval, 5' fillets may be proposed by the dock manufacturer if necessary to effectively reinforce the finger pier connection.

*Question 17:*

*Per our conversations with the vendors of Kebony lumber they have no load information available to substantiate use for 100 psf. Has the owner already determined the suitability of such lumber for strength, warping, and the durability issues required in the specs? We have been advised that this Kebony wood is not to be used in contact with galvanized steel.*

Answer 17:

100psf is a common live load conditions for the design of decking planks in commercial and marina applications. The manufacturer of the lumber needs to demonstrate compliance with the specifications.

*Question 18:*

*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. Shoremaster uses high strength bolts, min. 8 per section to section connection.*

Answer 18:

Response will be provided in Addendum 03.

*Question 19:*

*Specification drawings did not indicate pile on the ends of the longer fingers. Is this at the designers option?*

Answer 19:

Piling for finger piers will be per the specifications and the Notes on sheets ME1.1 and ME1.1a. No pilings are shown to prevent confusing the plans for depicting a fully-designed anchorage system. This is the responsibility of the dock manufacturer's engineer.

*Question 20:*

*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 designer?*

Answer 20:

Response will be provided in Addendum 03.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 21:*

*Are metal base plates required under the power pedestals?*

Answer 21:

Base plates are required.

*Question 22:*

*For 2 inch inset shown for the cleats; we assume is this measured from the face of the wood dock skirting on the sides of the dock sections. This seems in conflict with specs*

Answer 22:

This assumption is correct. The 2" dimension is the practical limit in order to provide secure mounting to the dock structure. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

*Question 23:*

*The dock skirting boards are all 2x8 MCQ or MCA, even if Kebony decking option is used.*

Answer 23:

The dock skirting boards shall match decking material.

*Question 24:*

*DWG ME3.1 shows a gangway with a deck width of 4 feet. Specs call out 5 CLEAR width on all gangways. In addition, does "clear width" mean between the ADA railing?*

Answer 24:

Per Article 2.02.A.1, Gangways are required to provide a minimum of 36 inches clear width between the railings. An updated and reissued specification Section 02000 – Floating Dockage System is attached.

*Question 25:*

*Plan DWG. ME1.1 indicates docks that contain ADA slips. Specs suggest other locations that may require ADA gangways. Please clarify.*

Answer 25:

ADA gangways are required for A Pier and E/F/G/H/I Pier connections. Gangways serving other piers are not required to meet ADA slopes at the design water elevation. However, the main or header piers shall provide level surfaces which comply with ADA codes.

*Question 26:*

*Spec section 2005, page 2 item 2.02 calls out specific gangway lengths.*

Answer 26:

Yes, this information is correct. An updated and reissued specification Section 02005 – Floating Dock Access Gangways is attached.

*Question 27:*

*Are structural section bolts that are coated to achieve the same corrosion protection standards required on deck screws allowed? Specs are not clear. (This coating is better than galvanizing per the 2000 hr. salt fog tests.)*

Answer 27:

Article 2.04.B.1 states that all structural steel fasteners, other than stainless steel, shall be hot-dip galvanized. Coated bolts are not permitted.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 28:*

*Shoremaster wishes to use flange nuts and bolts which have been used in the heavy equipment and automotive industry for years. Both the bolt heads and nuts contain a flange which is more resistant to loosening than a lock washer, even with a nylock nut. Nuts are of same high strength rating as bolts. Brass nuts are not.*

Answer 28:

Flange head bolts may be substituted for standard bolt and flat washer. Flange nuts may be accepted in lieu of flat washers, provided they incorporate a nylon locking insert. This type of nut retention insert has been specifically requested by the Marina Operator.

*Question 29:*

*Is galvanized chain required for the anchor rode /chain system. Specs are not clear.*

Answer 29:

Grade 70 Transport chain is zinc plated, not galvanized.

*Question 30:*

*When we received Addendum No. 1 we were missing specs 15738, 16315, 16341 and 16521. If you look at Change 27, 31, 32 and 36 it states (attached). Will these specs be issued in addendum 2?*

Answer 30:

Specification sections are attached herein.

*Question 31:*

*We would like to have our Rockwood Classic 8" Retaining Wall block approved as an equal for the retaining wall that is being called out on the PBC Gateway Harbor project.*

Answer 31:

Block types were chosen as closest matches to existing. Wall area to be rebuilt is limited to 8' in length. Preferred option is to reuse salvaged block on site and this language has been added to specifications. Substitutions will therefore not be necessary.

*Question 32:*

*Specification Section 16660, PHOTOVOLTAIC (PV) SYSTEMS, Paragraph 1.7(A)1, under CONTRACTOR'S WARRANTY, items a, b and c list the warranties required of the Contractor. Our bonding Company may refuse to participate in this project due to these warranty issues and thus we would not be a bidder. Can this warranty be for the MANUFACTURER only, which is where it rightfully belongs?*

Answer 32:

Response indicating that the requirement is for a manufacturer's warranty rather than a Contractor's warranty will be provided in Addendum 03.

*Question 33:*

*In the Drawings sheet CE3.1, the tie rod spacing is 14'-3" Max. for the West End of Dime Pier, and sheet CE3.5 shows the tie rod spacing 9'-6" Max for the East End of Dime Pier. On the structural details drawing CE8.4 (detail 1 and 2), the tie rod spacing is switched, 9'-6" for the West End of Dime Pier and 14'-3" for the East End of Dime Pier. Which spacing is correct?*

Answer 33:

The 3-series drawings are correct. Drawing CE8.4 has been revised and is attached.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 34:*

*If a certified MBE or WBE supplier is used to supply materials on this project, can 100% of this purchase price be used toward the project MBE and WBE utilization goals?*

Answer 34:  
Yes.

*Question 35:*

*In general, is it necessary to precast all items shown as precast, or would it be possible to cast-in-place the elements of the dime pier shown as precast.*

Answer 35:  
Items shown as Precast must be precast. The Commission may, however, entertain Value Engineering proposals from the Contractor post-award.

*Question 36:*

*Is it possible to eliminate the pile load tests? It seems redundant if we are running a PDA on the piles.*

Answer 36:  
The pile load tests are required.

*Question 37:*

*Sheet CE8.4 calls out #18 epoxy ctd tie bars, Grade 75. Spec Section 05503 Par 2.1.1 states that they are to be Grade 150*

Answer 37:  
The tie bars shall be Grade 75. Spec section 05503 (see attached) has been modified.

*Question 38:*

*Sheet CE8.4 calls out #18 epoxy coated tie bar, Grade 75. Specification 05503 paragraph 2.1.1 lists 150,000 PSI ASTM A722, (1 3/8" diameter bar with 237 Kip ultimate tensile strength). Please clarify what type of bar is to be used. From talking with suppliers the 1 3/8" diameter 150 KSI bar will have a cost savings compared to the #18 Grade 75 bar.*

Answer 38:  
The tie bars shall be Grade 75. Spec section 05503 (see attached) has been modified.

*Question 39:*

*Sheet CE8.4 detail 5 shows a #18 coupler spaced 12" from the wale. Is the intent to have two couplers per each individual tie-rod assembly at each wale or just one coupler? Specification 05503-4 paragraph 3.1.1 states that one coupler per tie rod is permitted. Please clarify.*

Answer 39:  
The intent is to have one coupler per tie-rod assembly.

*Question 40:*

*Specification 05503, paragraph 3.2 – Tie Rod Stressing: A hydraulic jack will not fit between the wale and out-pan of the sheeting to stress the tie rod. Given this configuration the tie rods can not be stressed.*

Answer 40:  
The required prestress force is approximately 10 kips. This prestress force can be applied with a torque wrench.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 41:*

*What is the size of the dished plate for the tie rods shown on sheet CE8.4?*

Answer 41:

The dished plates (i.e. bevel plates) shall be sized per tierod manufacturer recommendations. Sheets CE8.4 and CE8.5 (see attached) have been modified to indicate this.

*Question 42:*

*Detail 1 on sheet CE8.4 (addendum 1) shows tie bars being spaced at 9'-6". Plan sheets CE3.1 & CE3.2 show 14'-3" tie rod spacing. Please clarify which spacing is correct?*

Answer 42:

The 3-series drawings are correct. Drawing CE8.4 has been revised and is attached.

*Question 43:*

*Since all of the bidders are prequalified, and financial information was submitted on the first bid package; can the financial statements, etc. be eliminated from the next two packages? This cuts down on all the paper, sensitive information.*

Answer 43:

Yes. See "Changes to Book 1," change 2, above.

*Question 44:*

*The spec. for steel H piles states that the measurement for payment will be by the linear foot of pile installed, pulled, spliced or cut off. There is no place on the Bid Form for unit prices of the HP 14x117 piles.*

Answer 44:

The bid form will be updated in Addendum 03 to include all H-piles and pipe piles.

*Question 45:*

*Is it possible to make shop or field welding of items the Contractor's option?*

Answer 45:

Drawings CE8.1, CE8.3, CE8.4, and CE8.5 (attached) have been revised allow select welds to be done in the shop.

*Question 46:*

*On sheet CE9.2 detail 2 - it shows the S10 light pole on the edge of the sea wall. It appears there is not enough room for 2- 3/4 pvc conduits to enter and leave each pole. Is it expected that the manufacture will make this pole with the short leg to be supported on the wall?*

Answer 46:

The detail has been modified to make room for the conduits. See sheet CE9.2 (attached).

*Question 47:*

*On sheet E4-1 detail 2 shows concrete under the floating dock enclosure. If this is so, please provide a design on how this is to be attached to the floating dock structure.*

Answer 47:

Detail Revised in Add 02.

*Question 48:*

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



## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 48:

For floating dock structures:

G-Cable used for electrical distribution does not require conduit. Telecommunications conduit has been omitted per the Marina Operator. Telecommunication distribution shall be bundled and tied to the dock structure with sufficient slack to permit horizontal and vertical movement of the dock structure.

*Question 49:*

*Are the fixture mounting brackets shown on sheet L1.15 detail-6 expected to be provided by the fence supplier or the electrical contractor?*

Answer 49:

Electrical contractor shall provide this mounting bracket since it is an accessory to the fixture.

*Question 50:*

*DETAIL C ON CE10.5 SHOWS B/PILE ELEV -37 AND TOP OF SHEET PILE AT +7.2 = 44.2 FT SHEETING. THE SHEETING TABLE ON CE8.1 CALLS FOR 42' SHEETS. ARE THESE SHEETS TO BE 42' OR 44.2' LONG?*

Answer 50:

SSP table has been removed from sheet CE8.1. It has been moved to sheet CE3.0. The new sheet CE3.0 and the revised sheet CE10.5 will be included in Addendum 3.

*Question 51:*

*Seiche cable – The specs call for steel pipe posts, but plans call for 8" square steel tube. Would you please verify which will be required?*

Answer 51:

Drawing CE9.6 governs in this situation. The seiche cable posts shall be 8" square tubes.

*Question 52:*

*There is a note reference on drawing C4.1 lower right corner to a pile wall, there is also a reference to a pile wall on C4.2, is this an existing wall or new wall. Please provide details for the construction of new wall, I have not been able to find any details on this wall.*

Answer 52:

Reference on C4.1 has been deleted.

*Question 53:*

*CE8.10 shows the attachment of sheetpile to the existing guidewall using a Williams hollowcore anchor. This detail is not constructible as shown as there is nothing to contain the grout in between the channel and the existing concrete. Please advise.*

Answer 53:

A pipe section has been added to allow for containment of grout. See the attached revised sheet CE8.10.

*Question 54:*

*What is the diameter of the Stone Columns?*

Answer 54:

3'-0". See CE2.7 (attached) for layout of stone columns.

PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 55:*

*Is the precast and cast-in-place concrete required to be colored? If so, what criteria are to be maintained for matching precast to cast-in-place concrete?*

Answer 55:

There is no requirement for color matching.

*Question 56:*

*Detail 1 on CE8.7 shows SSP at commercial pier as SCZ-30 GR60. The SSP summary table on CE 8.1 calls out SCZ26 GR50*

Answer 56:

The SSP along the commercial boat pier shall be SCZ-26 grade 50. The revised sheet CE8.7 is attached.

*Question 57:*

*On detail 7M on CE7.7, the addendum 1 shows SKZ 25 sheeting. The detail 7N on CE7.7 and the SSP summary table on CE8.1 show SKZ24*

Answer 57:

This has been clarified on detail 7M on sheet CE7.7 (see attached).

*Question 58:*

*Detail 2 on CE8.7 calls for 2 wale bolts per SSP. Detail 1 on CE8.9 shows 1 wale bolt per SSP*

Answer 58:

Revised sheets CE8.7 and CE8.9 are included.

*Question 59:*

*Gangway / Planting Screen – The specs call for Aura 8859 galvanized steel mesh, but the plans call for Aura 8150 stainless steel mesh. Would you please verify which screens should will be required?*

Answer 59:

Response will be provided in Addendum 03.

*Question 60:*

*Detail 7.W and 7.X on CE7.12 shows B/SSP -48 south for the break waters. The SSP summary table calls out B.SSP -43 south.*

Answer 60:

B/SSP for both breakwaters has been changed to -49.0. See attached CE7.12 (attached).

*Question 61:*

*Detail 4 on CE8.4 shows tie rods as #18 GR75. Spec. 05503-3 tie rods shall conform to ASTM A722, Type 2, minimum ultimate tensile strength of 150,000 psi.*

Answer 61:

Spec section 05503 (see attached) has been modified to show the tie rods being Grade 75.

Question 62:

*Are there any known suppliers for the pile encasement material?*

## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 62:

Xylethon is a tradename of an Ultra-High Molecular Weight (UHMW) polymer material made by the DuraWear Corporation of Birmingham, Alabama.

Question 63:

*Will bringing the stone and steel piles by truck be permitted?*

Answer 63:

Truck deliveries to the site will be severely restricted via the Building Permit, IDOT permit and coordination with MPEA. Contractors should assume delivery of bulk materials may only be made by water, and not via the Chicago River Locks during the lock closure period.

Question 64:

*In Addendum No. 1, BID FORM, you have requested (for information only) the amount included for the USACE South Lock Wall, the West Commercial Pier and the East Commercial Pier. Should we consider these to be potential DEDUCT values against the lump sum bid, or is this merely an accounting issue? If these are potential DEDUCT items, will the appropriate amounts of Bid Item 5, 6, and 7 be considered as a DEDUCT unit price as well? Please clarify.*

Answer 64

The information is being requested for the user agency purposes only and not as a potential deductive alternate.

Question 65:

*Gangway /Planting Screen – The spec call for 1" aluminum "U-Edging" around the screen panels. The plans show 2" square galvanized steel tube with stainless screens. There will be a reaction between the dissimilar metals. Would you please clarify?*

Answer 65:

Response will be provided in Addendum 03.

Question 66:

*a. Section 02295, 2.03 Portable Seismographs does not specify or give an example of an acceptable instrument. Can the PBC provide an example of an acceptable instrument that meets the specified criteria under 2.03, A. 1. to A. 9.? Examples of acceptable equipment are provided for other instrumentation (e.g. 2.04 Crack Monitors and 2.05 Tiltmeters).*

*b. Would the PBC allow the seismographs to be powered using 115 volts AC brought to each instrument location? Where could the source of the power be located?*

Answer 66:

Portable Seismographs shall meet specifications and an example instrument will not be provided. The power source will be provided by the Contractor.

Question 67:

*Section 02295, 3.03, D. 1. states that tiltmeters will be uniaxial. However, the Tiltmeter Direction arrow on the plans (Sheet CE2.8) is an arc, not a line. As such, a single biaxial or two uniaxial tiltmeters would be required per installation to evaluate movement in more than one plane. Please advise, for each tiltmeter installation, is only one uniaxial tiltmeter required?*

Answer 67:

## PUBLIC BUILDING COMMISSION OF CHICAGO

The tiltmeters were intended to be uniaxial and measure rotation, hence the arc, in only the general direction shown on the drawing, which is intended to be the north-south direction.

*Question 68:*

*Section 02295, 3.12, G. 1. does not specify the make, model and quantity of data loggers to be provided. The referenced specification section indicates that instruments monitored by data loggers should have data posted within four hours of data collection; however the data logger type, number of data loggers, and type and number of instruments to be routed to each data logger are not specified in this Section. What instruments require dataloggers?*

*b. In addition, does the four-hour post deadline apply to the time of data collection or time of data download from the data logger by an operator? Data could be continuously posted by remote signal to a website from instrument data loggers, but this would require specialized equipment not discussed in the specifications.*

Answer 68:

The vibrating wire tiltmeters require dataloggers and 4-hour collection timeline is from data collection by datalogger.

*Question 69:*

*Section 02295, 2.01, states that the instrumentation must be certified by the manufacturer and have up-to-date calibration. Could used, certified and up-to-date calibrated instrumentation be acceptable? In particular, used seismographs need to be annually calibrated by the manufacturer and would be appropriate for the specified vibration monitoring.*

*b. Section 02295, 3.14 states that the instruments become the property of the Contractor after the project monitoring is completed, so there is no clear advantage to the PBC to require new equipment.*

Answer 69:

See revised specification section 02295 in Addendum 02.

*Question 70:*

*Section 02296, 3.01, 7. states "Install and monitor vibrations..." What is to be installed? How should the monitoring occur? This section does not explain. Is the vibration monitoring here different from the 30-day vibration monitoring specified to occur before fill or pile placement as described in Section 02295, 3.02, A.4.?*

Answer 70:

See revised specification section 02296 in Addendum 02.

*Question 71:*

*Section 02296, 3.01, A. 13. states "Items to be inspected shall be the interior and exterior of the tunnel..." How is the tunnel exterior to be video documented?*

Answer 71:

The tunnel exterior is exposed, as shown on drawing CE5.1, attached.

*Question 72:*

*Seiche cable – The specs call for ½", 2700 ksi, galv cable, but plans call for ½" stainless steel grade 316 cable. Would you please verify which cable will be required?*

Answer 72:

Reference to the cable being stainless steel has been removed from sheet CE9.6 (see attached). For cable material, contractor shall refer to spec section 05505.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 73:*

*Section 02296, 3.01, B. 2. states "Re-inspect structures owned or occupied by persons claiming damage has occurred..." This is a very open-ended item depending on the discretion of the PBC and the disposition of the residents surrounding the site.*

Answer 73:

See revised specification section 02296 in Addendum 02.

*Question 74:*

*Detail 2/CE8.8 shows the battered pile being driven under the existing concrete pier slab. In order to drive the pile, part of the pier slab will need to be removed to provide for the pile driving equipment. Please provide a detail for the slab removal and replacement or change the location of the SSP and battered pile to allow for the installation of the pile.*

Answer 74:

Navy Pier shall not be modified to allow for driving the battered piles. Detail 2 on sheet CE8.8 has been modified. The revised sheet CE8.8 is attached.

*Question 75:*

*The UAC vaults show electrical lines and other utilities in the same vault. Please clarify that this detail is correct or issue a new detail.*

Answer 75:

Yes, detailing is correct.

*Question 76:*

*On sheet CE9.2 detail 2 shows the S10 light pole on the edge of the sea wall. It appears there is not enough room for 2- 3/4 pvc conduits to enter and leave each pole. Also, if the poles are trimmed in the field to meet actual field conditions, the manufacturer's warranty for the poles will be voided. Can a different pole be specified?*

Answer 76:

A modification to the light pole detail is being investigated. If the detail is modified, it will be shown on a revised sheet CE9.2 that will be included in Addendum No. 3.

*Question 77:*

*Drawing sheet CE4.1, approx. Station 4+60. There is a detail noted (below the Plan View) with cut "1/CE9.2". Should this be "1/CE9.6"?*

Answer 77:

The detail callout has been changed on sheet CE4.1 (see attached).

*Question 78:*

*In section 7R on Sheet CE7.9, the max. thickness of the TYPE D slabs is 1'-6". In Section 6 on Sheet CE9.4 it is 1'-7 3/4". Which is correct?*

Answer 78:

Sheet CE7.9 shows the correct dimension. Section 6 on sheet CE9.4 (see attached) has been revised to show the correct dimension.

*Question 79:*

*What is the maximum length that the L1 walls can be produced? Do they need to align with the C.I.P. Cap Beams?*

## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 79:

There is no maximum length shown. It is recommended that the length of the walls be made 20 feet, to match the length of the cap beams.

*Question 80:*

*Sheet CE9.2. Is the embedded bent plate in the Precast Cap Beams meant to be continuous? Can 2 individual plates be butted together (and not welded together) and used?*

Answer 80:

The cap beams are not designed to be continuous. There shall be a 3/4" gap between cap beam sections. See detail 5 on sheet CE9.6 (attached).

*Question 81:*

*Section 6 on Sheet CE9.4 (and other drawings). Are the 17" x 17" plates meant to be galvanized or Cor-Ten steel? In this Section the bolts are 1 1/4". In Section 7R on Sheet CE7.9, they are 1 3/8". Which is correct?*

Answer 81:

The plates shall be galvanized. See the revised sheet CE9.4 (attached). The bolts shall be 1 1/4". See the revised sheets CE7.9, CE7.10, and CE7.11 (attached).

*Question 82:*

*Sheet CE9.3. I believe the dimensions for pieces S1 and S2 should be 16'-3" and not 18'-6". Please verify.*

Answer 82:

The dimensions of panels S1 and S2 have been modified. See attached sheet CE9.3.

*Question 83:*

*There are re-bar sizes and spacings for the precast shown on both Sheets CE9.3 and CE9.4. There are significant differences when comparing each TYPE of precast between the 2 sheets.*

Answer 83:

Rebar sizes and spacings have been modified. See attached sheets CE9.3 and CE9.4.

*Question 84:*

*The dowel detail in Section 4 on Sheet CE9.6 is unworkable. The tolerances (<1/8") required for this detail to work are much too small for precast concrete. They are well outside the limits used by PCI. An alternate detail must be incorporated. (If this is a Detail that has been previously recommended, submitted and used on other projects, we are interested in knowing the specifics of its use).*

Answer 84:

The hole size for the dowels has been increased to 1".

*Question 85:*

*What is meant by the ADA designations on the docks? There are too many interpretations in the various codes/ guidelines for ADA. (It is understood what ADA means to the access gangways.)*

Answer 85:

Local, State and Federal guidelines call for the provision of ADA accessible slips. These slips shall provide barrier-free access for handicapped boaters by providing ADA compliant slopes, clear widths and surface characteristics as

## PUBLIC BUILDING COMMISSION OF CHICAGO

defined by the applicable codes. In addition, the specifications for this project require that all main or marginal piers be compliant with ADA slope requirements, regardless of the gangway type. This allows for barrier-free access at higher water elevations as well as the flexibility for conversion to ADA use in the future by providing a longer gangway.

*Question 86:*

*Are there any soil borings for Gateway Harbor in the floating dock area? This is required for pile and anchorage design.*

Answer 86:

Boring log location map and borings are provided in Supplemental Volume (For Reference Only) in Issued for Bid Documents

*Question 87:*

*In opening Addendum #1 for the above mentioned project we found that the new Division 16000 specifications that were listed as being "attached" are not there. Please verify and/or confirm.*

Answer 87:

Included in Add 02.

*Question 88:*

*Initially, dowel bars were shown at 2'-0" on center (CE 9.6 – detail 4) being placed between (north to south orientation) panels A & B exclusively.*

*In addendum #1 - this has been changed to have dowels run in the east to west orientation (on specified panels only – not all panels) **and** the north to south orientations (only on panel A to B)  
The placement of the dowels on both orientations would not be erectable.*

Answer 88:

Detail 4 on sheet CE9.6 has been modified to say "along north to south joint only". See attached sheet CE9.6.

*Question 89:*

*Also, the reinforcing details as shown on CE 9.3 do not match the reinforcing sections on CE 9.4.*

Answer 89:

Sheets CE9.3 and CE9.4 (see attached) have been revised.

*Question 90:*

*Panel callout for C4 at approx. station 11+40 appears to be a typical C1 panel – could this be mismarked? C4 @ approx. station 10+25 is narrower.*

Answer 90:

The panel should be type C1. Sheet CE4.2 (see attached) has been revised.

*Question 91:*

*Detail 7V on CE7.11 indicates that there are F3 to F3 panels called out on the detail. The drawings on sheet CE4.5 indicate a F3 to F4 panel designation. Which is correct?*

Answer 91:

F3 to F3 is correct. Sheet CE4.5 and CE9.3 (see attached) have been updated.

## PUBLIC BUILDING COMMISSION OF CHICAGO

*Question 92:*

*It appears that the panel arrow designations on the Addendum #1 drawings are pointing to the wrong panels. This typically appears on the lower plan view on sheets CE4.4 & CE4.5. Can this be clarified?*

Answer 92:

Sheets CE4.4 and CE4.5 (see attached) have been updated.

*Question 93:*

*On Addendum #1 drawings – Panel G2 (approx. station 27+75) does not have the opening shown – the section detail (7V on sheet CE7.11 still shows opening. Which is correct?*

Answer 93:

Sheet CE4.5 (see attached) has been updated to show a handhole at station 27+75. The callout of panel G2 on sheet CE4.5 is correct.

*Question 94:*

*Section arrow designated 7S/CE7.9 is not on CE7.9 (indicated on bottom section on sheet CE4.4) – 7S is on CE7.10 as indicated on top section on sheet CE4.4.*

Answer 94:

Section marker on sheet CE4.4 has been modified to indicate section 7S being on sheet CE7.10.

*Question 95:*

*Section arrows (on pier panels east of breakwater) are shown facing east. Section details 7S/CE7.10, 7T/CE7.10 & 7V/CE7.11 indicate the openings are actually on the south side of the pier – not the north side as indicated by the section arrows. Which is correct?*

Answer 95:

Openings are on north side of pier. Sheets CE7.10 and CE7.11 (see attached) have been updated.

*Question 96:*

*Precast panel (LP) detail 3/CE9.9 is dimensioned as 7' deep and the note on the same detail indicates 6' deep. Which is correct?*

Answer 96:

The dimension has been changed to 6'. See attached CE9.9.

*Question 97:*

*Sheets ES 1.6-ES 1.7 are enlarged Pier Power Distribution Plans. ES 1.7 show panels I & J. There is no panel "I" on the panel schedule, but the location shown on ES 1.7 appears to match up with panel locations of M & N on the ME3.1-ME3.1A drawings.*

Answer 97:

Tags on ES Series sheets have been modified to match the ME Series Sheets.

*Question 98:*

*Sheets E 1.6-ES 1.7 show cable ID tags. In looking at the cable schedule and the panel schedule shown on ME 4.1-4.1A the size of the cable does not seem to work with the size of the panels.*



## PUBLIC BUILDING COMMISSION OF CHICAGO

Answer 98:

The feeds for 'Substations' are primary feeders for the substation transformers, which then feed the panels. Feeder sizes are correct as shown.

*Question 99:*

*Drawing sheet L1.19 from Addendum 1 added the Fender details but deleted the Cleat Detail that is still called out from sheet L1.15 as being on sheet L1.19. Please clarify.*

Answer 99:

The specific cleat detail callouts have been removed from L1.5. The furnishings schedule has been updated to refer to Detail 7/CE9.2 in Addendum 02 attachment.

*Question 100:*

*Drawing sheet CE8.1, detail 4 and 5 are labeled "Detail: WT16.5X54.5" but in detail 1 and 3 these same members are labeled as WT16.5X84.5 – please clarify.*

Answer 100:

The members are to be Wt 16.5X84.5. Details 4 and 5 on sheet CE8.1 (see attached) have been modified.

*Question 101:*

*Drawing CE9.6 details the SEICHE CABLE as ½" dia. STAINLESS CABLE while in the technical specifications sheet #05505-6, the SEICHE CABLE is called out as GALVANIZED CABLE. Please clarify.*

Answer 101:

Reference to the cable being stainless steel has been removed from sheet CE9.6 (see attached). For cable material, contractor shall refer to spec section 05505.

*Question 102:*

*Drawing sheet CE9.9, Reinforced Concrete Base Detail shows the depth at 7 foot while the note indicates the base shall be 6 foot deep. Please clarify.*

Answer 102:

Dimension has been changed to 6'-0". See sheet CE9.9 (attached).

*Question 103:*

*The precast for this project is basically slabs resting on a stone base. Based on the specifications, the erector of the precast would need to be a firm experienced in structural erection of precast. This will substantially increase the cost to erect the precast slabs on grade. Since this precast concrete is not structural in nature, can the requirements of Section 03410.1.6.B be eliminated?*

Answer 103:

Some precast panels will be structural in nature. Requirements of section 03410.1.6 will remain as is.

*Question 104:*

*Specification 03410.2.3 requires metakaolin, silica fume and coloring admixtures along with granular ground blast-furnace slag. These specifications would normally be found in a structural precast specification. The cost of these admixtures will significantly increase the cost of the precast and appear to be a duplication considering the reinforcing steel is epoxy coated. Can some of these admixtures be eliminated?*

Answer 104:

Section 03410.2.3 will remain as is.

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*Question 105:*

*Specifications 02751-2.6 and 0310.2.3 refer to a color admixture for the concrete walkways on Dime Pier. Please specify what the color requirements are.*

Answer 105:

Reference to color admixture has been deleted in Section 02751, see description herein. Additional response will be included in Addendum 03.

### LIST OF ATTACHMENTS:

Book 2, Article 25, Value Engineering

Drawings

G0.2, 1 page (30"x42" format)  
CE0.1, 1 page (30"x42" format)  
CE2.1, 1 page (30"x42" format)  
CE2.2, 1 page (30"x42" format)  
CE2.3, 1 page (30"x42" format)  
CE2.4, 1 page (30"x42" format)  
CE2.5, 1 page (30"x42" format)  
CE2.6, 1 page (30"x42" format)  
CE2.7, 1 page (30"x42" format)  
CE2.8, 1 page (30"x42" format)  
CE2.9, 1 page (30"x42" format)  
CE3.0, 1 page (30"x42" format)  
CE3.3, 1 page (30"x42" format)  
CE4.1, 1 page (30"x42" format)  
CE4.2, 1 page (30"x42" format)  
CE4.3, 1 page (30"x42" format)  
CE4.4, 1 page (30"x42" format)  
CE4.5, 1 page (30"x42" format)  
CE4.6, 1 page (30"x42" format)  
CE4.7, 1 page (30"x42" format)  
CE5.1, 1 page (30"x42" format)  
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CE5.5, 1 page (30"x42" format)  
CE5.6, 1 page (30"x42" format)  
CE5.7, 1 page (30"x42" format)  
CE5.8, 1 page (30"x42" format)  
CE6.1, 1 page (30"x42" format)  
CE6.2, 1 page (30"x42" format)  
CE6.6, 1 page (30"x42" format)  
CE6.7, 1 page (30"x42" format)  
CE6.8, 1 page (30"x42" format)  
CE6.9, 1 page (30"x42" format)  
CE7.1, 1 page (30"x42" format)  
CE7.2, 1 page (30"x42" format)  
CE7.3, 1 page (30"x42" format)  
CE7.4, 1 page (30"x42" format)  
CE7.5, 1 page (30"x42" format)  
CE7.6, 1 page (30"x42" format)

PUBLIC BUILDING COMMISSION OF CHICAGO

CE7.7, 1 page (30"x42" format)  
CE7.8, 1 page (30"x42" format)  
CE7.9, 1 page (30"x42" format)  
CE7.10, 1 page (30"x42" format)  
CE7.12, 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)  
CE8.6, 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)  
CE8.10, 1 page (30"x42" format)  
CE9.1, 1 page (30"x42" format)  
CE9.2, 1 page (30"x42" format)  
CE9.3, 1 page (30"x42" format)  
CE9.4, 1 page (30"x42" format)  
CE9.6, 1 page (30"x42" format)  
CE9.7, 1 page (30"x42" format)  
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CE10.1, 1 page (30"x42" format)  
CE10.2, 1 page (30"x42" format)  
CE10.3, 1 page (30"x42" format)  
CE10.4, 1 page (30"x42" format)  
CE10.5, 1 page (30"x42" format)  
ME0.1, 1 page (30"x42" format)  
ME1.1, 1 page (30"x42" format)  
ME1.1A, 1 page (30"x42" format)  
ME1.2, 1 page (30"x42" format)  
ME2.1, 1 page (30"x42" format)  
ME4.3, 1 page (30"x42" format)  
ME5.1, 1 page (30"x42" format)  
ME5.1A, 1 page (30"x42" format)  
ME6.1, 1 page (30"x42" format)  
ME7.1, 1 page (30"x42" format)  
ME7.1A, 1 page (30"x42" format)  
ME8.1, 1 page (30"x42" format)  
C2.1, 1 page (30"x42" format)  
C2.3, 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)  
C5.1A, 1 page (30"x42" format)  
C6.2D, 1 page (30"x42" format)  
C7.4, 1 page (30" x 42" format)  
C7.8, 1 page (30" x 42" format)  
C7.9, 1 page (30" x 42" format)  
L1.1, 1 page (30"x42" format)  
L1.2, 1 page (30"x42" format)

PUBLIC BUILDING COMMISSION OF CHICAGO

L1.3, 1 page (30"x42" format)  
L1.4, 1 page (30"x42" format)  
L1.5, 1 page (30"x42" format)  
L1.6, 1 page (30"x42" format)  
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L1.8, 1 page (30"x42" format)  
L1.9, 1 page (30"x42" format)  
L1.13, 1 page (30"x42" format)  
L1.14, 1 page (30"x42" format)  
L1.18, 1 page (30"x42" format)  
L1.20, 1 page (30"x42" format)  
L2.1, 1 page (30"x42" format)  
L2.5, 1 page (30"x42" format)  
LI3.1, 1 page (30"x42" format)  
LI3.2, 1 page (30"x42" format)  
LI3.3, 1 page (30"x42" format)  
LI3.4, 1 page (30"x42" format)  
LI3.6, 1 page (30"x42" format)  
A8.2, 1 page (30"x42" format)  
P1.1, 1 page (30" x 42" format)  
P3.1, 1 page (30" x 42" format)  
ES1.2, 1 page (30" x 42" format)  
ES1.3, 1 page (30" x 42" format)  
ES1.6, 1 page (30" x 42" format)  
ES1.7, 1 page (30" x 42" format)  
ES2.2, 1 page (30" x 42" format)  
E4.1, 1 page (30" x 42" format)  
E4.3, 1 page (30" x 42" format)  
E4.4, 1 page (30" x 42" format)  
E6.1, 1 page (30" x 42" format)  
E6.3, 1 page (30" x 42" format)  
FP1.1, 1 page (30" x42" format)

Specifications Table of Contents, pages 1-5  
Section 01010  
Section 01810  
Section 02000  
Section 02005  
Section 02010  
Section 02485  
Section 02486  
Section 02295  
Section 02296  
Section 03307  
Section 03410  
Section 05503  
Section 09310  
Section 09640  
Section 15738  
Section 15746  
Section 15755

PUBLIC BUILDING COMMISSION OF CHICAGO

Section 16130  
Section 16315  
Section 16341  
Section 16521  
Section 16721  
Section 17250  
Section 17333

Supplemental IDNR Bid Documents (bid form excerpt and drawings)

**END OF ADDENDUM NO. 02**