



## ADDENDUM TO THE CONTRACT

for the

### MAIN STREET, SECOND TO FIFTH STREET IMPROVEMENTS

Contract No. E12-167

**ADDENDUM NO.:** FIVE

**CURRENT DEADLINE FOR BIDS:**  
June 6, 2012

**PREVIOUS ADDENDA:** FOUR

**ISSUED BY:** City and Borough of Juneau  
ENGINEERING DEPARTMENT  
155 South Seward Street  
Juneau, Alaska 99801

**DATE ADDENDUM ISSUED:** May 31, 2012

The following items of the Contract are modified as herein indicated. All other items remain the same. This is a faxed addendum. A confirming copy will not be mailed to you. If this fax is incomplete, please call (907) 586-0490, and we will re-send it. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: <http://www.juneau.org/engineering ftp/contracts/Contracts.php>

#### **PROJECT MANUAL**

- Item No. 1 SECTION 02870 – SITE FURNISHINGS, *delete* in its entirety and replace with the attached.
- Item No. 2 SECTION 05120 – STRUCTURAL STEEL, PART 1 – GENERAL, ARTICLE 1.5 – QUALITY ASSURANCE, *delete paragraph B in its entirety.*
- Item No. 3 SECTION 05121 – ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING, PART 1 – GENERAL, ARTICLE 1.5 – QUALITY ASSURANCE, *delete paragraph A in its entirety.*
- Item No. 4 SECTION 06200 – FINISH CARPENTRY, PART 2 PRODUCTS, ARTICLE 2.7 – WOOD TREATMENT, *delete article 2.7 in its entirety.*
- Item No. 5 SECTION 08800 – GLAZING, *delete* in its entirety and replace with the attached.

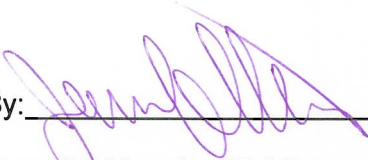
#### **DRAWINGS**

- Item No. 5 Sheet No. 38A, titled "ALASKA OFFICE BUILDING ENTRANCE CANOPY – PLAN AND ELEVATION" *delete the drawing in its entirety and replace with the attached.*
- Item No. 6 Sheet No. 39A, titled "ALASKA OFFICE BUILDING ENTRANCE CANOPY – CANOPY CROSS SECTIONS" *delete the drawing in its entirety and replace with the attached.*

Item No. 7 Sheet No. 41A, titled "ALASKA OFFICE BUILDING ENTRANCE CANOPY – CANOPY DETAILS" *delete the drawing in its entirety and replace with the attached.*

Item No. 8 Sheet No. 43A, titled "ALASKA OFFICE BUILDING ENTRANCE CANOPY PLAN AND ELEVATION" *add the following note:*

10. ELECTRICAL PORTS FOR LIGHTING SHALL BE CENTERED ON COLUMN, 4"X6" OPENING WITH WEATHER-TIGHT COVER PLATE, FASTENED WITH STAINLESS STEEL HARDWARE. LOCATE ELECTRICAL ACCESS AND COVER PLATES SIMILAR TO THAT SHOWN ON SHEET NO. E.305.

By:  \_\_\_\_\_

Jennifer Mannix, CBJ Contract Administrator

Total number of pages contained within this Addendum: 17

## SECTION 02870 – SITE FURNISHINGS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 specification sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following site and street furnishings:
  - 1. Benches
  - 2. Trash cans
- B. Related Sections include the following:
  - 1. CBJ Standard Specifications.
  - 2. Section 03300 – Cast In Place Concrete, for installation of anchor bolts cast in concrete footings.
- C. Products furnished, but not installed under this Section, include anchor bolts to be cast in concrete footings.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, field-assembly requirements, and installation details for approval.
- B. Samples for Initial Selection: For units with factory-applied color finishes.
- C. Product Schedule: For site and street furnishings. Use same designations indicated on Drawings.
- D. Maintenance Data: For site and street furnishings to include in maintenance manuals.

#### 1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain each type of site and street furnishings through one source from a single manufacturer.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Products: Subject to compliance with requirements, provide one of the following or approved equal:

## SECTION 02870 – SITE FURNISHINGS

1. Benches:
  - a. Kenneth Lynch & Sons,  
114 Willenbrock Road, Oxford, CT 06478  
(203) 264-2831  
[www.klynchandsons.com](http://www.klynchandsons.com)
  - b. Landscape Forms, Inc.  
431 Lawndale Ave., Kalamazoo, MI 49048  
(800) 430-6209  
[www.landscapeforms.com](http://www.landscapeforms.com)
2. Trash Cans:
  - a. BearSaver,  
1390 S. Milliken Ave, Ontario, CA 91761  
(909) 605-1697

### 2.2 MATERIALS

- A. Steel: Free from surface blemishes and complying with the following:
  1. Plates, Shapes, and Bars: ASTM A 36/A 36M.
  2. Steel Pipe: Standard-weight steel pipe complying with ASTM A 53, or electric-resistance-welded pipe complying with ASTM A 135.
  3. Tubing: Cold-formed steel tubing complying with ASTM A 500.
  4. Mechanical Tubing: Cold-rolled, electric-resistance-welded carbon or alloy steel tubing complying with ASTM A 513, or steel tubing fabricated from steel complying with ASTM A 569/A 569M and complying with dimensional tolerances in ASTM A 500; zinc coated internally and externally.
  5. Sheet: Commercial steel sheet complying with ASTM A 569/A 569M.
  6. Ductile Iron Castings ASTM A 536.
- B. Aluminum: Alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated; free from surface blemishes and complying with the following:
  1. Rolled or Cold-Finished Bars, Rods, and Wire: ASTM B 211.
  2. Extruded Bars, Rods, Wire, Profiles, and Tubes: ASTM B 221.
  3. Structural Pipe and Tube: ASTM B 429.
  4. Sheet and Plate: ASTM B 209.
- C. Stainless Steel: Free from surface blemishes and complying with the following:
  1. Sheet, Strip, Plate, and Flat Bars: ASTM A 666.
- D. Lumber: Slat shall be of one continuous piece; no joints will be allowed. Lumber shall be without heart center or sap wood and shall be straight grained. Milled surfaces shall be sanded smooth on all four sides and both ends after being worked to the required dimensions. Edges shall be eased to a radius of one-eighth 1/8 inch (3 mm).
  1. Wood shall be thoroughly seasoned and shall contain not more than fifteen percent to twenty percent of moisture by weight. Lumber shall be in sound condition, free

## SECTION 02870 – SITE FURNISHINGS

from worm holes, knots, longitudinal heart cracks, firm or soft sap wood, fungus and deformation (twisting or cupping). Natural drying checks, to a maximum of 1/8 inch (3 mm) in width, will be acceptable. Dimensional tolerance (measured at 20 percent moisture content) shall be plus or minus .08 inch (2 mm) in both width and thickness.

2. Slats shall meet or exceed the mechanical properties as defined by U.S. Forest Product Laboratories testing methods (2 inches standard) as follows:
  - a. Bending Strength: 22,560 psi (155 MPa).
  - b. Modulus of Elasticity: 3,140,000 psi (21,650 MPa).
  - c. Minimum Crushing Strength: 13,010 psi (90 MPa).
- E. Anchors, Fasteners, Fittings, and Hardware: Manufacturer's standard, noncorrodible materials; commercial quality; concealed, recessed, and capped or plugged. Provide as required for site and street furnishings' assembly, mounting, and secure attachment.

### 2.3 BENCH #1

- A. Kenneth Lynch and Sons: 1964 World's Fair, Model 6731-A, or approved equal.
- B. Unit Configuration: Eight foot length, backless with arm rests.
- C. Installation Method: Surface mounted.
- D. Material:
  1. Frame: Cast Ductile Iron
  2. Seat: Ipe: Bethabara/Tabebuia serratifolia
- E. Finishes/Colors:
  1. Frame: Powder coated, color black
  2. Seat: None

### 2.4 BENCH #2

- A. Landscape Forms, Inc.: Presidio, Straight-two unit group, or approved equal.
- B. Unit Configuration: Two backless straight seats with arm rests.
- C. Installation Method: Embedded with center of horizontal tube set 14 inches above finish grade.
- D. Steel Finish: Powder coated.
- E. Color: As selected by Landscape Architect.

## SECTION 02870 – SITE FURNISHINGS

### 2.5 TRASH CANS

- A. Bear Saver, Hid-A-Bag, Model Number: HA-P, 32 gallon capacity, or approved equal, with standard supplied can. Unit to be accessible including lid.
- B. Installation Method: Anchored to concrete pad as indicated by manufacturer.
- C. Steel Finish: Powder coated.
- D. Color: Black.

### 2.6 FABRICATION

- A. Metal Components: Form to required shapes and sizes with true, consistent curves, lines, and angles. Separate metals from dissimilar materials to prevent electrolytic action.
- B. Welded Connections: Weld connections continuously. Weld solid members with full-length, full-penetration welds and hollow members with full-circumference welds. At exposed connections, finish surfaces smooth and blended so no roughness or unevenness shows after finishing and welded surface matches contours of adjoining surfaces.
- C. Pipes and Tubes: Form simple and compound curves by bending members in jigs to produce uniform curvature for each repetitive configuration required; maintain cylindrical cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of handrail and railing components.
- D. Steel and Iron Components: Galvanized, galvanized and color coated, or color coated. Bare metal steel or iron components are not permitted.
- E. Exposed Surfaces: Polished, sanded, or otherwise finished; smooth all surfaces, free from burrs, barbs, splinters, and sharpness; all edges and ends rolled, rounded, or capped.
- F. Factory Assembly: Assemble components in the factory to the greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

### 2.7 FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Landscape Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

### 2.8 STEEL AND GALVANIZED STEEL FINISHES

- A. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester-TGIC, powder-coat finish complying with finish manufacturer's written instructions for surface

## **SECTION 02870 – SITE FURNISHINGS**

preparation, including pretreatment, application, baking, and minimum dry film thickness.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### **3.2 INSTALLATION, GENERAL**

- A. Comply with manufacturer's written installation instructions, unless more stringent requirements are indicated. Complete field assembly of site and street furnishings, where required.
- B. Unless otherwise indicated, install site and street furnishings after landscaping and paving have been completed.
- C. Landscape Architect to approve location of furnishings prior to installation. Install site and street furnishings level, plumb, true, and securely anchored at locations indicated on Drawings. Where indicated on drawings, orient furnishings with paving patterns.

#### **3.3 CLEANING**

- A. After completing site and street furnishing installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

**END OF SECTION 02870**

## SECTION 08800 - GLAZING

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Glass.
- B. Glazing compounds and accessories.

#### 1.2 RELATED REQUIREMENTS

- A. Section 05120, Section 05121

#### 1.3 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; current edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings, Safety Performance Specifications and Methods of Test; 2004.
- C. ASTM C 864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005.
- D. ASTM C 920 - Standard Specification for Elastomeric Joint Sealants; 2005.
- E. ASTM C 1036 - Standard Specification for Flat Glass; 2006.
- F. ASTM C 1048 - Standard Specification for Heat-Treated Flat Glass--Kind HS, Kind FT Coated and Uncoated Glass; 2004.
- G. ASTM C 1172 - Standard Specification for Laminated Architectural Flat Glass; 2003.
- H. ASTM C 1193 - Standard Guide for Use of Joint Sealants; 2005a.
- I. ASTM E 1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2007.
- J. GANA (GM) - GANA Glazing Manual; Glass Association of North America; 2004.
- K. GANA (SM) - FGMA Sealant Manual; Glass Association of North America; 1990.

#### 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

#### 1.5 SUBMITTALS

- A. See Section 01300 - Contractor Submittals, for submittal procedures.



## SECTION 08800 - GLAZING

- B. Product Data on Glass Types: Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.
- C. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors.
- D. Samples: Submit two samples 12X12 inch in size of glass units, showing coloration and design.
- E. Shop Drawings: Specific to canopy glazing; Indicate assembly, dimensions, silkscreen pattern layout, structural calculations stamped and signed by engineer licensed to provide professional services in Alaska. Specific to Security window: Provide assembly details, dimensions, and performance documentation.
- F. Certificates: Certify that products meet or exceed specified requirements.
- G. Maintenance Materials: Furnish the following for OWNER's use in maintenance of project.
  - 1. See Section 01600 - Materials and Equipment, for additional provisions.

### 1.6 QUALITY ASSURANCE

- A. Perform Work in accordance with GANA Glazing Manual and FGMA Sealant Manual for glazing installation methods.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum 10 years documented experience.

### 1.7 FIELD CONDITIONS

- A. Do not install glazing when ambient temperature is less than 50 degrees F.
- B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

### 1.8 WARRANTY

- A. See Section 01700 - Project Closeout, for additional warranty requirements.
- B. Laminated Glass: Provide a five (5) year warranty to include coverage for delamination, including replacement of failed units.

## SECTION 08800 - GLAZING

### PART 2 - PRODUCTS

#### 2.1 GLAZING TYPES

- A. Canopy Glazing: Glazing design for canopy spans to accommodate gravity loads in configuration illustrated, on AESS frame.
1. Application: Locations indicated on the drawings.
  2. Type of glass: Laminated glass fabricated by bonding two or more glass panes with transparent, flexible interlayer material in accordance with ASTM C1172. Laminated glass shall meet requirements of ANSI Z97.1 and CPSC 16 CFR to qualify as safety glass.
  3. Fabricate laminated glass for canopy components from either ASTM C1036 annealed, ASTM C1048 Kind HS heat strengthened, or ASTM C1048 Kind FT fully tempered glass as determined by manufacturer to accommodate Project design and performance requirements.
  4. Glass thickness: 1" Thick laminated Glazing with section size determined by the glass canopy manufacturer to accommodate Project design and performance requirements.
  5. Color: Blue-Green as a basis for design. Final color to be determined by manufacturers range of color selection and selected by Owner.
  6. Edge finishing: chamfer all edges 1/16", polish all exposed edges.
  8. Performance: Panels to be provided to support 50psf live load in an exterior environment, and perform subjected to a seasonal temperature range of 120F.
  9. Glazing Method: mount between continuous shims/neoprene gaskets on bearing surfaces and under securement per construction document details.

#### 2.2 GLASS MATERIALS

- A. Float Glass Manufacturers:
1. Pilkington North America Inc: [www.pilkington.com](http://www.pilkington.com).
  2. PPG Industries, Inc: [www.ppg.com](http://www.ppg.com).
  3. Garibaldi, Incorporated, [www.garibaldiglass.com](http://www.garibaldiglass.com)
  4. Substitutions: See Section 01600 - Materials and Equipment.
- B. Float Glass: All glazing is to be float glass unless otherwise indicated.

## SECTION 08800 - GLAZING

1. Annealed Type: ASTM C 1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select).
2. Heat-Strengthened and Fully Tempered Types: ASTM C 1048.
3. Tinted Types: Color and performance characteristics as indicated.
4. Thicknesses: As proposed by glazing manufacturer for design load criteria to meet 1" lamination proposed as base design criteria.

### 2.7 GLAZING ACCESSORIES

- A. Setting Blocks: Neoprene, 80 to 90 Shore A durometer hardness, ASTM C 864 Option I. Length of 0.1 inch for each square foot of glazing or minimum 4 inch x width of glazing rabbet space minus 1/16 inch x height to suit glazing method and pane weight and area.
- B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness, ASTM C 864 Option I. Minimum 3 inch long x one half the height of the glazing stop x thickness to suit application, self adhesive on one face.
- C. Continuous Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness, ASTM C 864 Option I. Minimum length of bearing/pressure surface x one half the width of the glazing contact area x thickness to suit application (no less than 1/4"), self adhesive on one face.
- D. Glazing Tape: Preformed butyl compound with integral resilient tube spacing device; 10 to 15 Shore A durometer hardness; coiled on release paper; 1/8x1/2 inch size; black color.
- E. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C 864 Option I; black color.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that openings for glazing are correctly sized and within tolerance.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.

### 3.2 PREPARATION

- A. Clean contact surfaces with solvent and wipe dry.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant.

## SECTION 08800 - GLAZING

D. Install sealants in accordance with ASTM C 1193 and FGMA Sealant Manual.

E. Install sealant in accordance with manufacturer's instructions.

### 3.3 INSTALLATION - EXTERIOR WET METHOD (SEALANT AND SEALANT)

A. Place setting blocks at 1/4 points and install glazing pane or unit.

B. Install removable stops with glazing centered in space by inserting spacer shims both sides at 24 inch intervals, 1/4 inch below sight line.

C. Fill gaps between glazing and stops with structural silicone type sealant to depth of bite on glazing, but not more than 3/8" inch below sight line to ensure full contact with glazing and continue the air and vapor seal.

D. Apply sealant to uniform line, flush with sight line. Tool or wipe sealant surface smooth.

### 3.4 CLEANING

A. Remove glazing materials from finish surfaces.

B. Remove labels after Work is complete.

C. Clean glass and adjacent surfaces.

### 3.5 PROTECTION

A. After installation, mark pane with an 'X' by using removable plastic tape or paste.

### 3.6 INSTALLATION

A.. Exterior engineered structural laminated glass plank units as described. Exterior wet method, as modified by details.

**END OF SECTION**