



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

August 11, 2009

**Addendum No. 1**

RE: Contract ID: C202161  
WBS# 39886.3.ST1  
F.A. # STM-085-3(200)100  
**Davidson County (K-4905)**  
Rest Area On I-85

**August 18, 2009 Letting**

To Whom It May Concern:

Reference is made to the proposal and plans recently furnished to you on this project.

The following revisions have been made to the proposal:

On Page No. 25 the Project Special Provision entitled "Notes To Contractor" has been added. Please void Page No. 25 in your proposal and staple the revised Page No. 25 thereto.

On Page No. 160 Section 10170 "Plastic Toilet Compartments", paragraph 2.02 A. 4. "Panel Materials" has been revised to add to the list of acceptable manufacturers. Please void Page No. 160 in your proposal and staple the revised Page No. 160 thereto.

On Page No. 170 Section 12484 "Floor Grid and Mat Systems", paragraph 2.01 A. "Manufactures" has been revised to add to the list of acceptable manufacturers. Please void Page No. 170 in your proposal and staple the revised Page No. 170 thereto.

The following revisions have been made to the plans:

Sheet Nos. A4, A5 and A6 have been revised to clarify the areas where "T & G Cedar" material is required. Please void Sheet Nos. A4, A5 and A6 in your plans and staple the revised Sheet Nos. A4, A5 and A6 thereto.

On Sheet Nos. P1, P2 and P5 the Plumbing Fixture Schedule has been revised (the new plumbing schedule was moved to Sheet P5). Please void Sheet Nos. P1, P2 and P5 in your plans and staple the revised Sheet Nos. P1, P2 and P5 thereto.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128  
FAX: 919-250-4119

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

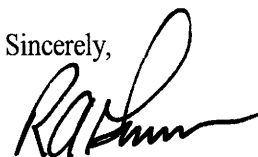
**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

On Sheet No. VP1 the Plumbing Fixture Schedule has been revised. Please void Sheet No. VP1 in your plans and staple the revised Sheet No. VP1 thereto.

On Sheet Nos. M1 and M2 the HVAC, Exhaust Fan and Register Schedules have been revised. Please void Sheet Nos. M1 and M2 in your plans and staple the revised Sheet Nos. M1 and M2 thereto.

On Sheet No. VM1 the HVAC Schedule has been revised. Please void Sheet No. VM1 in your plans and staple the revised Sheet No. VM1 thereto.

Sincerely,



R. A. Garris, PE  
Contract Officer

RAG/jag  
Attachments

cc: Mr. J.G Nance, PE  
Mr. Ron Hancock, PE  
Mr. S. P. Ivey, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J.V. Barbour, PE  
Mr. R. E. Davenport, Jr., PE  
Project File (2)

Mr. Robert Memory  
Mr. Don Lee  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Ms. Marsha Sample  
Ms. Norma Smith  
Ms. Lori Strickland

- (4) Workability of the concrete mix - determine in accordance with ASTM C995. The flow time - not be less than 7 seconds or greater than 25 seconds.
- (5) Assure the fibers are well dispersed and prevent fiber balling during production. After introduction of all other ingredients, add the plastic concrete and mix the plastic concrete for at least 4 minutes or for 50 revolutions at standard mixing speed.

### **Measurement and Payment**

No separate payment will be made for substitution of macro-fiber synthetic reinforcement for the steel reinforcing. The price bid for the precast units will be full compensation for furnishing and incorporating the macro-fiber synthetic reinforcement.

### **QUALIFICATION OF WELDS AND PROCEDURES:**

(7-21-09)

SP10 R43

**Page 10-143, Subarticle 1072-20(D) Qualification of Welds and Procedures**, replace the third sentence of the first paragraph with the following:

For all prequalified field welds, submit Welding Procedure Specifications (WPS) for each joint configuration for approval at least 30 days prior to performing any welding. In lieu of this, use the WPS provided and preapproved by the Department. These preapproved WPS are available from the Materials and Tests Unit or at:

[http://www.ncdot.org/doh/operations/materials/structural/appr\\_proc.html](http://www.ncdot.org/doh/operations/materials/structural/appr_proc.html). Use non-prequalified welds only if approved by the Engineer. Submit WPS for all non-prequalified welds to the Engineer for approval. At no cost to the Department, demonstrate their adequacy in accordance with the requirements of the Bridge Welding Code.

### **PAINT SAMPLING AND TESTING:**

(8-15-06)

SP10 R45

Revise the *2006 Standard Specifications* as follows:

**Page 10-190, Article 1080-4**, Delete the first paragraph and replace with the following:

All paint will be sampled, either at the point of manufacture or at the point of destination. Inspection and sampling will be performed at the point of manufacture wherever possible. The Contractor shall not begin painting until the analysis of the paint has been performed, and the paint has been accepted.

### **NOTES TO CONTRACTOR:**

In all sections of the special provisions for this project when three acceptable manufacturers are listed an "approved equal" will also be considered and is subject to approval by the Engineer. Do not order materials until approval is received.

## SECTION 10170 – PLASTIC TOILET COMPARTMENTS

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Revised 8-11-09

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Section Includes:
  - 1. Water-closet compartments Compartments and urinal screens.
  - 2. Restroom counters and bench.

#### 1.02 SUBMITTALS

- A. Product Data.
- B. Shop Drawings.
- C. Panel Color Verification Samples: Submit 6-inch-square samples of each panel finish type and color to be installed.
- D. Manufacturer's Instructions.
- E. Maintenance Data.

#### 1.03 QUALITY ASSURANCE

- A. Regulatory Requirements: Products and finished installations to be used by handicapped persons must comply with requirements of the NC State Building Code, Volume I-C, Accessibility Code, 2004 Edition.

#### 1.04 COORDINATION

- A. Use manufacturer's instructions and data to determine anchorage requirements for panel systems. In a timely manner, distribute to affected installers of related work those system components and anchorage devices provided by panel manufacturer for incorporation into other work.

### PART 2 - PRODUCTS

#### 2.01 PANEL SYSTEMS

- A. Compartments: Provide compartments fabricated of partitions and erected using the following panel systems at locations indicated on the drawings:
  - 1. Solid plastic, floor-anchored and overhead-braced.
- B. Screen Systems: Provide screens erected using the following panel systems at locations indicated on the drawings:
  - 1. Solid plastic, wall-hung.

#### 2.02 PANEL MATERIALS

- A. Plastic Solid Plastic:
  - 1. Panel material: High-density polyethylene or polypropylene, of homogeneous composition and color throughout, minimum thickness of material 1 inch. Provide seamless panels with eased edges.
  - 2. Plastic Panel; shoes, and continuous mounting brackets in matching colors;
    - a. Santana, color shall match AMPCO, Ash Grey.
    - b. Sanymetal, color shall match AMPCO, Ash Grey.
    - c. **AMPCO\***: "Ash Grey".
    - d. Columbia Partitions, a Division of PSiSC, [www.PSiSC.com](http://www.PSiSC.com)
  - 3. Hardware, head rails, heat-sink, and accessories. Manufacturer's standard styles. The following materials will be acceptable:
    - a. Chromium-plated nonferrous cast alloy ("Zamac").
    - b. Extruded aluminum, anodized and polished.
  - 4. Manufacturers: Products of the following manufacturers, provided they comply with requirements of the contract documents, will be among those considered acceptable (colors shall match those specified):
    - a. Scranton Products: Santana/Comtec/Capitol.
    - b. The Sanymetal Products Company, Inc.
    - c. **Amppo\*** Florida, Opa Locka, Florida 33054. (305) 821-5700, [www.amppo.com](http://www.amppo.com).
    - d. Columbia Partitions, a Division of PSiSC, [www.PSiSC.com](http://www.PSiSC.com)

3. R.C. Musson Rubber Co.
4. Pawling Corp., [www.pawling.com](http://www.pawling.com).
5. Reese Enterprises, Inc., [www.reeseusa.com](http://www.reeseusa.com)
6. KADEE Industries, [www.KadeeIndustries.com](http://www.KadeeIndustries.com)

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*Revised 8-11-09*

## **2.02 MATERIALS**

- A. Aluminum Frame: clear anodized aluminum frames recommended by manufacturer; ASTM B 221 (ASTM B 221M), alloy 6063-T5 or 6061-T6.
  1. Recessed Mat Frames: Extruded aluminum frame members, not less than 3/4 inch deep, with mitered corners and finish to match mat. Provide size and style to fit floor mat with anchorage devices required.
- B. Carpet:
  1. A combination of BASF yarn and nylon, or level-cut DuPont Antron III nylon filament tread inserts 1/4 inch thickness, 28-32 oz/sq yd, solution dyed with polypropylene and backing fusion bonded to guard against fraying, delamination or moisture penetration.
- C. Vinyl: Flexible PVC. Extruded aluminum tread-slats with continuous vinyl cushions on bottom surface of slats.
  1. Tread Inserts: As selected from manufacturer's standards.
  2. Edge frames and fillers: Black.
  3. Continuous hinge: Black.
  4. Continuous cushions.

## **2.03 PRODUCTS**

- A. Floor Grid System: Recessed pit with a series of tread rails spaced 1-1/2 in o.c. and running perpendicular to traffic flow.
- B. Roll-Up Aluminum Linked-Tread Floor Mats: Aluminum tread rails 2 inches o.c. by 3/8-inch-thick slat modules with fusion-bonded carpet insert, running perpendicular to traffic flow, connected by flexible joints to permit rolling up for access to debris and water.
  1. **C/S, PediTred #G3-C-CP-PTF-NL**: Continuous vinyl hinge construction.
    - a. Tread rails: Aluminum or vinyl.
    - b. Frame: Aluminum.
    - c. Tread inserts: Carpet, **C/S color #7319, Hearty Moss**.

## **2.04 FABRICATION**

- A. Fabricate assemblies to sizes indicated, minimizing need for splicing on site. Where joints are necessary, space symmetrically and away from normal traffic patterns.
- B. Provide frames with hairline joints, complete with corner pins and installation anchors.

# **PART 3 EXECUTION**

## **3.01 EXAMINATION**

- A. Verify that field measurements are as shown on shop drawings prior to releasing materials for fabrication by the manufacturer.
- B. Examine conditions under which work is to be performed and notify Contractor in writing of unsatisfactory conditions. Do not proceed with installation until unsatisfactory conditions have been corrected.

## **3.02 INSTALLATION**

- A. Install products in accordance with governing regulations, industry standards applicable to the work and the manufacturer's written installation instructions.
- B. Recessed Frames and Mats: Set mat tops at height recommended by manufacturer for most effective cleaning action. Coordinate top of mat surfaces with bottom of doors that swing across mats to provide clearance between door and mat.
  - a. Tile Flooring: Set recessed mat frames to allow for Tile Work. Coordinate with other trades as required.
  - b. Concrete Flooring: Install necessary shims, spacers, and anchors for proper location and secure to prevent displacement when placing concrete. Install Latex / concrete screed leveling material.
- C. Space anchors at maximum 24 in o.c.