

# Nick H. Barnard Architect LLC

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**ADDENDUM NO. THREE**

**TO: Bidders**

**DATE: April 7, 2022**

**RE: Hawthorne Middle School  
Athletic Field Facility  
1025 W. Eldredge Rd  
Pocatello, Idaho**

This Addendum forms a part of the Contract Documents and modifies the original Bidding Drawings dated **February 2022**, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. The following information is being issued to General Contractors only. It is the obligation of the Contractor to notify his Subcontractors and suppliers of items relating to their bids prior to bid opening. This Addendum consists of **six** page(s) and **no** drawing(s).

**I - CHANGES TO PRIOR ADDENDA: NONE**

**II - CHANGES TO BIDDING REQUIREMENTS: NONE**

**III - CHANGES TO CONDITIONS OF THE CONTRACT: NONE**

**IV - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: NONE**

**V - CHANGES TO SPECIFICATIONS:**

**Item V-1.** Section 01200 Price & Payment Procedures. Article 1.3 Allowances. Add the following.

B. Allowance Items -

2. Pavement Marking. Allow \$ 600.00.

**Item V-2.** Section 32 1226 Asphalt Paving. Add the entire section, see attached.

Article 2.4.A. Add item: 2. Mixture type SP3, Asphalt grade PG 58-28, aggregate size 1/2". Mix shall contain no more than 7% RAP.

**Item V-3.** Section 32 1723 Pavement Markings. Add the entire section, see attached.

**Item V-4.** Baby Changing Station. Provide Koala Kare KB200-05 horizontal type, wall mounted, white Granite color or approved equal.

**Item V-5.** Section 08 5313 Aluminum Windows. Provide Kawneer 451T frame with 1" insulating Solar Ban glass.

**Item V-6.** Interior Window Sill. Provide solid surface window sill by Corian or approved equal.

**Item V-7.** Section 07 2616 Below-Grade Vapor Retarders, delete section.

**Item V-8.** Section 08 3313 Coiling Counter Door shall be manually operated only. It will not be wired into a fire alarm system.

**VI - CHANGES TO DRAWINGS:**

**Item VI-1.** Sheet 6 (civil). Provide bollards at fire hydrant per detail AD2.2.

**Item VI-2.** Sheet SD1.0. In addition to the 24' gate on the North fence, Contractor to provide a Knox padlock and chain for the 20' gate on the South fence, and one additional Knox padlock as directed by the Architect for a total of three padlocks.

**Item VI-3.** Sheet SD1.2, 4' chain link fence. Under a separate contract, the owner is adding more seating to the Home Team (west side) bleachers. Contractor to subtract 72 LF of fence from total shown to allow for the new bleacher layout.

**Item VI-4.** Sheet A1.1, signs. Provide 4 signs reading: "Maximum Occupant Load 49" and 2 signs reading: "No Open Flame Cooking In This Building". Signs shall be wall mounted type by ASI or approved equal and will be located as directed by the Architect. All other signs shall be by Owner.

**Item VI-1.** Sheet A6.1. Provide one, one-hour rated attic access door (08 3110) as directed by the Architect.

**END of ADDENDUM**

## **SECTION 32 1216 - ASPHALT PAVING**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section includes:
  - I. Hot-mix asphalt paving.
- B. Related Requirements:
  - 1. Section 312000 "Earth Moving" for subgrade preparation, fill material, unbound-aggregate subbase and base courses, and aggregate pavement shoulders.

#### **1.2 PREINSTALLATION MEETINGS**

- A. Preinstallation Conference: Conduct conference at Project site.

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.

#### **1.4 INFORMATIONAL SUBMITTALS**

- A. Material Certificates: For each paving material.

#### **1.5 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: A paving-mix manufacturer registered with and approved by authorities having jurisdiction or the DOT of state in which Project is located.
- B. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of Standard Specification for Highway Construction of Idaho Transportation Department (ITD) for asphalt paving work.
  - 1. Measurement and payment provisions and safety program submittals included in standard specifications do not apply to this Section.

### **PART 2-PRODUCTS**

#### **2.1 AGGREGATES**

- A. Coarse Aggregate: ASTM D 692/D 692M, sound; angular crushed stone, crushed gravel, or cured, crushed blast-furnace slag.
- B. Fine Aggregate: ASTM D 1073 or AASHTO M 29, sharp-edged natural sand or sand prepared from stone, gravel, cured blast-furnace slag, or combinations thereof.

#### **2.2 ASPHALT MATERIALS**

- A. Asphalt Binder: AASHTO M 320, PG 58-28.
- B. Tack Coat: ASTM D 977 or AASHTO M 140 emulsified asphalt, or ASTM D 2397 or AASHTO M 208 cationic emulsified asphalt, slow setting, diluted in water, of suitable grade and consistency for application.

#### **2.3 AUXILIARY MATERIALS**

- A. Herbicide: Commercial chemical for weed control, registered by the EPA, and not classified as "restricted use" for locations and conditions of application. Provide in granular, liquid, or wetttable powder form.

## 2.4 MIXES

- A. Hot-Mix Asphalt: Dense-graded, hot-laid, hot-mix asphalt plant mixes approved by authorities having jurisdiction: designed according to procedures in AI MS-2, "Mix Design Methods for Asphalt Concrete and Other Hot-Mix Types"; and complying with the following requirements:
  - 1. Provide mixes with a history of satisfactory performance in geographical area where Project is located.

## PART 3 - EXECUTION

### 3.1 SURFACE PREPARATION

- A. General: immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.
- B. Proof-roll subgrade below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.
- C. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.

### 3.2 PLACING HOT-MIX ASPHALT

- A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.
  - 1. Spread mix at a minimum temperature of 250 deg F.
  - 2. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
- B. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.
- C. Promptly correct surface irregularities in paving course behind paver. Use suitable band tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

### 3.3 JOINTS

- A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.
  - 1. Clean contact surfaces and apply tack coat to joints.
  - 2. Offset longitudinal joints, in successive courses, a minimum of 6 inches.
  - 3. Offset transverse joints, in successive courses, a minimum of 24 inches.
  - 4. Construct transverse joints at each point where paver ends a day's work and resumes work at a subsequent time. Construct these joints using either "bulkhead" or "papered" method according to AI MS-22, for both "Ending a Lane" and "Resumption of Paving Operations."

### 3.4 COMPACTION

- A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot: band tampers or with vibratory-plate compactors in areas inaccessible to rollers.
  - 1. Complete compaction before mix temperature cools to 185 deg F.
- B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.
- C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:

1. Average Density: 92 percent of reference maximum theoretical density according to ASTM D 2041, but not less than 90 percent or greater than 96 percent.
- D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.
- E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot: compact thoroughly.
- F. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- G. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

### 3.5 **INSTALLATION TOLERANCES**

- A. Pavement Thickness: Compact each course to produce the thickness indicated within the following tolerances:
  1. Base Course: Plus or minus 1/2 inch.
  2. Surface Course: Plus 1/4 inch. no minus.
- B. Pavement Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:
  1. Base Course: 1/4 inch.
  2. Surface Course: 1/8 inch.
  3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch.

### 3.6 **FIELD QUALITY CONTROL**

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Replace and compact hot-mix asphalt where core tests were taken.
- C. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

**END OF SECTION 32 1216**

**SECTION 32 1723**  
**PAVEMENT MARKINGS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Includes But Not Limited To:
  - 1. Furnish material and apply pavement and curb markings as described in Contract Documents.

**1.2 REFERENCES**

- A. Definitions:
  - 1. Reflectorization: Material, treatment OR process to enable incident light to be returned in high proportions in the general direction of the light source.
- B. Reference Standards:
  - 1. U.S. Department of Transportation Federal Highway Administration:
    - a. Manual on Uniform Traffic Control Devices (MUTCD).

**1.3 QUALITY ASSURANCE**

- A. Regulatory Agency Sustainability Approvals:
  - 1. Paint handicap spaces to conform to ADA Standards and local code requirements.

**1.4 FIELD CONDITIONS**

- A. Ambient Conditions:
  - 1. Apply only on dry surfaces, during favorable weather, and when damage by rain, fog, or condensation not anticipated.
  - 2. Latex Paint:
    - a. Atmospheric temperature above 50 deg F (10 deg C).
    - b. When temperature is not anticipated to drop below 50 deg F (10 deg C) during drying period.
  - 3. Alkyd or Chlorinated Rubber Paint:
    - a. Atmospheric temperature above 40 deg F (4 deg C).
    - b. When temperature is not anticipated to drop below 40 deg F (4 deg C) during drying period.

**PART 2 • PRODUCTS**

**2.1 MATERIAL**

- A. Paint:
  - 1. Non-reflectorized.
  - 2. Types:
    - a. Acrylic Latex for uncured paving.
    - b. Alkyd or chlorinated rubber for cured paving.
  - 3. Colors:
    - a. White: Lane lines, edge lines, transverse lines, arrows, words, symbol markings, speed bump markings, parking space markings.

- b. Yellow: Cross-hatching in medians, cross hatching in safety zones separating opposing traffic flows, crosswalk stripes, safety markings, centerlines, edge lines along the left edge of a one-way roadway or one way ramp.
  - c. Blue And White: In parking spaces specifically designated as reserved for the disabled.
  - d. Red: Fire lanes, no parking zones, special raised pavement markers that are placed to be visible to "wrong-way" drivers.
4. Type Two Acceptable Products:
- a. 442XX Traffic Marking Paint by ICI Devoe, Cleveland, OH [www.devoepaint.com](http://www.devoepaint.com).
  - b. Set-Fast Traffic Marking Paint by Sherwin-Williams, Cleveland, OH [www.sherwin-williams.com](http://www.sherwin-williams.com).
  - c. Equal as approved by Architect before application. See Section 01 6200.

## **PART 3 • EXECUTION**

### **3.1 PREPARATION**

- A. Do not apply acrylic latex system until paving has cured 7 days minimum.
- B. Do not apply alkyd or chlorinated rubber systems until paving has cured 3 months minimum.
- C. Surfaces shall be dry and free of grease and loose dirt particles. Scrape and wire brush chipped or damaged paint on existing curbs.
- D. Perform layout with chalk or lumber crayon only.

### **3.2 APPLICATION**

- A. Tolerances:
  - 1. General: Make lines parallel, evenly spaced, and with sharply defined edges.
  - 2. Line Widths;
    - a. Plus or minus 1/4 inch (6 mm) variance on straight segments.
    - b. Plus or minus 1/2 inch (13 mm) variance on curved alignments.
- B. Coverage:
  - 1. Apply a single coat to parking lots which are being re-stripped and where no surface treatments are being applied.
  - 2. Apply a single coat to an emulsion seal coat.
  - 3. Apply two coats to a slurry seal coat. Apply a single coat and then wait 30-45 days and after ravel sweeping to apply the second coat.
  - 4. Apply two coats to new parking lots and new overlays.
  - 5. Apply each coat at 150 sq ft (14 sq m) per gal.
  - 6. Apply second coat after three hours minimum or when first coat is thoroughly dried, whichever is longer.

### **3.3 CLEANING**

- A. Remove drips, overspray, improper markings, and paint material tracked by traffic by sand blasting, wire brushing, or other method approved by Architect before performance.

**END OF SECTION**