

MEMORANDUM

TO: Attendees

FROM: Joseph Jakubowski, P.E., LEED AP

DATE: May 29, 2013

RE: Project No. 5111.GD
Addendum No. 2
RCCSD Bid # 2-13-52
Pavement and Rehabilitation Project
Skyline Middle School
Wilmington, Delaware

This Addendum No. 2 becomes part of the Contract Documents. Please acknowledge receipt of this Addendum in the space provided on Page 3 of the Bid Form.

1. The following modifications/clarifications, to the bid documents, shall be considered in preparation of a bid:
 - Full depth pavement patching included in the Base Bid shall be measured based on the actual square yardage of patch, rounded to the nearest 0.5 square yard, removed and replaced within the limits indicated by the Owner's site representative. The number of square yards of material which is removed and replaced shall be paid for at the Contract Unit Price for Full Depth Pavement Patching

750 sy of full depth pavement patching is estimated for the Base Bid.

Please see attached revision to Section TS-3 of the Technical Specifications and the attached revised Bid Form. Bidders shall utilize the revised bid form.

 - The bid submission shall consist of one original signed bid form (6 pages), one original bid bond, and a summary of experience with the proposed pavement geotextile-overlay system.

2. The following questions/answers shall be considered in preparation of a bid:

Question: “It is stated that the base bid contains a leveling course. Could you estimate a qty (sic) for this leveling course, or break it out of the base bid as a unit price, so all contractors are bidding the same?”

Answer: The completed pavement surface shall be graded and milled to match the surrounding grades and be shaped to provide for positive surface drainage. Additional thickness of overlay or use of a leveling course may be required to provide positive slope to promote drainage. **For the Base Bid, leveling course shall be measured based on the actual tonnage of hot mix, rounded to the nearest 0.5 ton. The number of tons of material shall be paid for at the Contract Unit Price for Leveling Course, which price shall constitute full compensation for all materials, labor, equipment, tools and incidentals necessary to complete the item.**

Fifty (50) tons of bituminous concrete is estimated for the Base Bid.

Question: “For bid alternate #6 are the rails to be replaced in the grass area, as they are now, or drilled into the concrete stairs?”

Answer: Aluminum Pipe Railing shall be reconstructed and secured in a similar manner as the existing railings.

Bids are due on Tuesday, June 4, 2013, at 3:00 p.m. Bids should be submitted to the Red Clay Consolidated School District, Office of Facilities and Maintenance, 1798 Limestone Road, Wilmington, Delaware, 19804. Sealed bids will be received at the reception area of the Facilities Management Office. A public bid opening will follow.

JJ\
WORD\5111GD.0513-ADDENDUM2.MEM

Enclosures: Revised Technical Specifications TS-3 (3 pages)
Revised Bid Form (6 pages)

TS-3: Bituminous Concrete Full Depth Pavement Patching (REVISED)

1.0 DESCRIPTION

This work shall consist of milling and disposal of existing bituminous concrete pavement and subgrade materials, as noted on the Contract Drawings. Subsequently, the subgrade should be proofrolled, regraded as necessary to achieve positive drainage, and the pavement surface should be reconstructed with new compacted bituminous concrete base course and graded aggregate base course, in accordance with the detail provided in the Contract Drawings.

750 sy of full depth pavement patching is estimated for the Base Bid.

2.0 MATERIALS

The Contractor shall furnish all materials required for this item including, but not limited to, the following:

- 2.1 Binder Course: Type B, Hot Mixed, Hot Laid Bituminous Concrete.
- 2.2 Base Course: Graded Aggregate Base Course, Type B.
- 2.3 Tack Coat: CSS-1-h asphalt.
- 2.4 Joint Sealant: Hot poured joint sealant conforming to the requirements of Section 807 of the DelDOT Standard Specifications and ASTM D 6690-07 Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
- 2.5 Geotextile Fabric: Woven, geotextile fabric, such as Geotex 315 or approved equivalent.

3.0 CONSTRUCTION METHODS

- 3.1 The Contractor shall provide all tools, equipment, materials, labor and work for the excavation and removal of the existing pavement and the replacement with new pavement, as indicated on the Contract Drawings. All work under this item shall be performed in a safe and workmanlike manner.
- 3.2 All work shall be performed in accordance with DelDOT Standard Specifications.

- 3.3 The limits of the patching area will be marked on the pavement by the Engineer at the start of the project. Prior to excavation of any existing pavement, the Contractor shall discuss the limits of additional disturbance that may be required to achieve the proposed construction with the Engineer. Damage to any areas which were not agreed to in advance with the Engineer shall be repaired by the Contractor at no additional expense to the Owner.
- 3.4 Sawcutting of existing bituminous concrete pavement shall be performed around the perimeter of the reconstruction area. Sawcutting should be “squared off” and be full depth as required to provide a clean, straight and true edge.
- 3.5 All excavated materials shall become the property of the Contractor and be removed from the site at the completion of the project at no additional expense to the Owner. Where possible, it is preferred that excavated materials be directly loaded onto trucks for subsequent off-site disposal.
- 3.6 Following excavation of the existing pavement section, all loose material shall be removed and leveled off. Subsequently, the exposed subbase shall be compacted with at least 3 passes of a minimum 10-ton, smooth drum. The subgrade shall be regraded as necessary to provide drainage of the final pavement section.
- 3.7 Contractor shall take precautions as necessary to minimize the potential for disturbance or softening of the pavement subgrade materials from inclement weather or construction traffic. If exposed, the subgrade soil shall be proofrolled by a minimum 10-ton vibratory roller or a fully loaded tandem dump truck in the presence of a qualified geotechnical engineer acting as the owner’s representative in the field. Any soft, wet or yielding areas encountered within the pavement areas shall be undercut to firm subgrade and backfilled as recommended by the geotechnical engineer. These areas shall be immediately covered by the geotextile fabric, pulled tight and lapped a minimum of 12 inches. Graded aggregate base course shall then be placed in a lift thickness not to exceed 8 inches, compacted with at least 3 passes of a minimum 10-ton vibratory roller. Any soft areas that develop after initial construction shall be undercut and replaced with graded aggregate at no additional cost to the Owner.
- 3.8 Prior to the placement of any bituminous concrete, the edges of the patching area shall be swept clean, and a tack coat shall be thoroughly applied with a brush to provide full coverage of adjacent sawcut pavement edge and any abutting curbs and sidewalks.
- 3.9 Prior to the placement of the new pavement, butt joints shall be constructed at each termination location for the surface course along the existing pavement. The edge of the existing pavement shall have a clean, straight and true edge, and should be sawcut, if necessary.

- 3.10 The compacted bituminous concrete pavement shall consist of a thickness as specified on the Contract Drawings. The completed pavement surface shall be graded to match the surrounding grades and shaped to provide for positive surface drainage away from the existing structures. The contractor shall be responsible to establish final site grading that provides positive site drainage at all areas on the finished pavement surface. Following its placement, the binder courses shall be compacted in accordance with DeIDOT's Standard Specification requirements (minimum of 90% compaction of the TVD for binder course).
- 3.12 Following completion of construction, the Contractor shall restore all site grades in landscaped areas to their pre-construction condition. The exposed surface shall be fine graded and raked free of roots, cobbles and soil lumps which shall be removed from the site. Subsequently, the Contractor shall restore the landscaped area to its pre-construction condition by providing topsoil, grass or mulch to match its previous condition. Seeding of grassed areas shall be performed in accordance with Delaware Erosion and Sedimentation Control Handbook (1989) and DeIDOT Standard Specifications Section 734.
- 3.13 The interface between the new and existing pavement should be sawcut to a depth of approximately 1/2-inch and be filled with a hot poured joint sealant in strict accordance with Section 807 of the DeIDOT Standard Specifications and the manufacturer's printed label instructions.

4.0 METHOD OF MEASUREMENT

Full depth pavement patching shall be measured based on the actual square yardage of patch, rounded to the nearest 0.5 square yard, removed and replaced within the limits indicated by the Owner's site representative.

5.0 BASIS OF PAYMENT

The number of square yards of material which is removed and replaced shall be paid for at the Contract Unit Price for Full Depth Pavement Patching, which price shall constitute full compensation for all materials, labor, equipment, tools and incidentals necessary to complete the item.

**PAVEMENT AND REHABILITATION PROJECT
SKYLINE MIDDLE SCHOOL
WILMINGTON, DELAWARE
RCCSD BID #2-13-52**

BID FORM (REVISED)

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ___ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ **By:** _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Bid Security
- Summary of experience with proposed geotextile overlay system
(Others as Required by Project Manuals)

**PAVEMENT AND REHABILITATION PROJECT
SKYLINE MIDDLE SCHOOL
WILMINGTON, DELAWARE
RCCSD BID #2-13-52**

BID FORM (REVISED)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Maintenance of Traffic	_____	_____	_____
2. Paving	_____	_____	_____
3. Pavement Fabric	_____	_____	_____
4. Joint/Slurry Sealant	_____	_____	_____
5. PCC Construction	_____	_____	_____
6. Catch Basin Sediment Removal	_____	_____	_____
7. Pavement Markings	_____	_____	_____
8. Staircase Replacement	_____	_____	_____

**PAVEMENT AND REHABILITATION PROJECT
SKYLINE MIDDLE SCHOOL
WILMINGTON, DELAWARE
RCCSD BID #2-13-52**

BID FORM (REVISED)

SUBCONTRACTOR LIST

9. Retaining Wall Surface Repairs	_____	_____	_____
10. Railing Replacement	_____	_____	_____
11.	_____	_____	_____
12.	_____	_____	_____
13.	_____	_____	_____
14.	_____	_____	_____
15.	_____	_____	_____

**PAVEMENT AND REHABILITATION PROJECT
SKYLINE MIDDLE SCHOOL
WILMINGTON, DELAWARE
RCCSD BID #2-13-52**

BID FORM (REVISED)

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to Red Clay Consolidated School District.

All the terms and conditions of RCCSD BID #2-13-52 have been thoroughly examined and are understood.

NAME OF BIDDER: _____

**AUTHORIZED REPRESENTATIVE
(TYPED):** _____

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):** _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____ . NOTARY PUBLIC _____ .

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.