SPECIFICATIONS – ADDENDUM 1

Asphalt Repair

1. Scope:

Provide all materials, equipment, labor, and supervision necessary to properly repair designated areas of asphalt walkways and roadways of Montgomery County Community College, Blue Bell, Pennsylvania.

2. References

2.1 PENNDOT Specifications Publication 408/2003

2.2 ASTM D 946 Standard Specifications for Penetration Graded Asphalt Cement in Pavement Construction.

2.3 ASTM D 2397 Standard Specification for Cationic Emulsified Asphalt

2.4 ASTM D 3381 Standard Specification for Viscosity – Graded Asphalt Cement for use in Pavement Construction

2.5 ASTM D 3628 Standard Practice for Selection and Use of Emulsified Asphalt.

3. Materials

3.1 Asphalt Base – Superpave asphalt mixture design HMA base course, PG 64-22, 3.0 to 10.0 million ESALS, 25 mm mix, 4.5” depth or match existing depth. SRL-H

3.2 Asphalt Binder – Super asphalt mixture design, HMA binder course, PG 64-22, 3.0 to 10.0 million ESALS, 19 mm mix, 2” depth.

3.3 Asphalt Wearing – Superpave asphalt mixture design HMA wearing course, PG 64-22, 3.0 to 10.0 million ESALS, 9.5 mm mix, 1.5” depth, SRL-H.

3.4 Tack Coat – emulsified asphalt.

4. Full – Depth Finish Asphalt Restoration

4.1 Layout and mark all areas of repair.

4.2 Excavate areas to be repaired to the existing subgrade. All debris produced from excavation is to be disposed of offsite.

4.3 Square surface of repair and cut walls of repair to produce vertical edges.

4.4 Roll existing subgrade material to achieve maximum density.
4.5 Mechanically apply liquid asphalt tack coat to all vertical edges of repair.

4.6 Install 4.5” of 25 mm SUPERPAVE hot mix asphalt base coat to parking areas and driveways.

4.7 Roll asphalt base course to achieve a true firm finish

4.8 Tack coat surface of asphalt base course to provide proper bonding of new surface course.

4.9 Install 2” of 19 mm SUPERPAVE hot mix asphalt binder course to parking areas and driveways.

4.10 Roll surface course to achieve a true firm finish to match existing grade.

4.11 Tack coat surface of asphalt binder course to provide proper bonding of new surface course.

4.12 Install 1.5” average minimum depth of 9.5 mm SUPERPAVE hot mix asphalt wearing course material.

4.13 Apply seal of liquid asphalt to adjoining edges of the finished repair.

5. Wearing Course Restoration

5.1 Lay out and mark all areas of repair.

5.2 Mill existing surface to a depth of 1.5” utilizing machinery designed for this operation.

5.3 Cut perimeter of areas to produce a vertical face adjacent to the stable surface.

5.4 Clean entire area of repair and dispose of all debris offsite.

5.5 Mechanically apply liquid asphalt tack coat to all vertical edges of repair.

5.6 Install 1.5” average minimum depth of 9.5 mm SUPERPAVE hot mix asphalt wearing course material.

5.7 Roll surface course to achieve a true firm finish. Match existing grade.

5.8 Apply a seal of liquid asphalt to the adjoining edges of the finished repair.

6. Pavement Markings

6.1 Pavement to be dry and properly cleaned and prepared in accordance with paint manufacturer’s instructions.
6.2. Material to be Sherwin Williams Premium Blend Traffic Paint or approved equal.

6.3 Application of pavement paint to be in accordance with manufacturer’s instructions.

7. Execution

7.1 Provide cones, barriers, and/or other traffic control devices to cordon off working areas for safety of college personnel and guests.

7.2 The Morris Road Parking lot cannot be completely closed for the duration of the seal coating project. The project needs to be completed in two phases.

7.3 Contractor is responsible to repair any landscaping damaged as a result of the work.

7.4 Schedule work to allow minimum interference and inconvenience to college personnel.

7.5 Contractor (bidder) is totally responsible for all parameters (including measurements) relevant to the bidding process.

8. Validations

8.1 Contractor must supply a Certificate of Authenticity from the manufacturer certifying that the product used meets this specification.

8.2 A dual manufacturer’s/contractor’s warranty of 24 months is required with warranty repair work being accomplished as often as needed during the 24 month warranty period.

8.3 Contractor, at his expense, will provide for sampling and testing to confirm the physical specification parameters that need to be met.

8.4 Contractor shall have a minimum of five (5) years commercial experience in applying coal tar.
### PROJECT SUBMISSION FORM – SECTION 1

#### FIXED PRICE

**A. Tabulation of Prices**

1. **Guarantee/Warranty**
   - a. **Material** _______ year(s)
   - b. **Workmanship** _______ year(s)
   - c. **Conditions**

2. **Exceptions**

3. a. **Unclassified Excavation**
   - • Unit Price per cubic yd. $____________

   b. **Full Depth Restoration**
   - • Unit Price per square yd. $____________

4. a. **Crack Repair**
   - • Linear Feet 1000 +/- ft.
   - • Unit Price per linear ft. $____________

   **TOTAL ITEM FIXED PRICE** $____________

   b. **4” Pavement Marking**
   - • Approx Linear Feet 10,000 +/- ft.
   - • Unit Price per linear ft. $____________

   **TOTAL ITEM FIXED PRICE** $____________

   c. [RESERVED]

d. **Grind & top coat restoration**
   - • Approx Square Yards - area 3 216 +/- sq yd
   - • Approx Square Yards - area 4 10 +/- sq yd
   - • Approx Square Yards - area 5 80 +/- sq yd
   - • Approx Square Yards - area 6 5 +/- sq yd
   - • Approx Square Yards - area 7 1,049 +/- sq yd
   - • Approx Square Yards - area 8 98 +/- sq yd
   - • Approx Square Yards - area 9 126 +/- sq yd
   - • Approx Square Yards - area 10 89 +/- sq yd
   - • Approx Square Yards - area 11 15 +/- sq yd
   - • Approx Square Yards - area 12 1,180 +/- sq yd
• Approx Square Yards - area 13  737 +/- sq yd
• Unit Price per square yard  $_______________

TOTAL ITEM FIXED PRICE  $_______________

5.  TOTAL PROJECT PRICE (4a+4b+4d)  $________

Special Notes

1.  Contracts may be awarded for each, any, or all items.
2.  MCCC has the right to refuse any part or all of any submission.
3.  Take-off quantities and other project data or information are the complete responsibility of the contractor/bidder.
4.  The quantity figures shown above are estimates only. If a contract is awarded as a result of this Invitation to Bid, MCCC will use the unit prices shown in 3. and 4. above as the basis for establishing pricing for the actual quantity.
5.  Crack repair to be directed and accepted by MCCC before sealing is initiated.
6.  The “Total Project Price” shown above shall be inserted in the appropriate place on page 2 of the Bid Form section.
7.  The Unit Prices shown above in 3a, 3b, 4a, 4b and 4d shall be inserted in the appropriate places on page 3 of the Bid Form section.
A. Previous Similar Contracts Completed

1. Name __________________________________________
   Address _________________________________________
   Contact Person ________________________________
   Phone # _________________________________________

2. Name __________________________________________
   Address _________________________________________
   Contact Person ________________________________
   Phone # _________________________________________

3. Name __________________________________________
   Address _________________________________________
   Contact Person ________________________________
   Phone # _________________________________________
CERTIFICATION OF SUBMITTING VENDOR

A. Company Name ________________________________________________
   Address – Street ________________________________________________
   City, State, Zip ________________________________________________

B. Phone Number ________________________________________________
   FAX Number __________________________________________________

B. Quotation Validation
   1. Name of Authorized Representative ____________________________
   2. Title ________________________________________________________
   3. Signature __________________________________________________
   4. Date _________________________________________________________

TO BE RESPONSIVE, THIS FORM (SECTIONS 1, 2 & 3), PROPERLY COMPLETED AND SIGNED WITH ORIGINAL SIGNATURE, NEED TO BE SUBMITTED AS PART OF YOUR BID TO MONTGOMERY COUNTY COMMUNITY COLLEGE, 340 DEKALB PIKE, P.O. BOX 400, BLUE BELL, PA 19422, ATTN: PURCHASING DEPARTMENT