Addendum No. 4

To: Pre-Bid Conference Attendees

From: Shannon McIntyre
City of Mobile Architectural Engineering Department

Re: Copeland-Cox Tennis Center – Tennis Court Resurfacing
Project #PR-010-23

Date: March 28, 2023

This Addendum forms a part of, and modifies, the Request for Bids for the above referenced project, dated February 22, 2023. Acknowledge the receipt of this Addendum No. 4 and all subsequent Addenda in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

General:

Clarifications:

Item 1. Bid date has been changed to be received April 5, 2023. All other bidding instructions to remain the same.

Item 2. A Geo Fabric shall be installed per attached 1/A-2 drawing and specification at all courts.

Request for Bids:

Drawings:

Item 1. Geo Fabric Detail

RFI's:

END OF ADDENDUM NO. 4

2.05 GEOTEXTILE

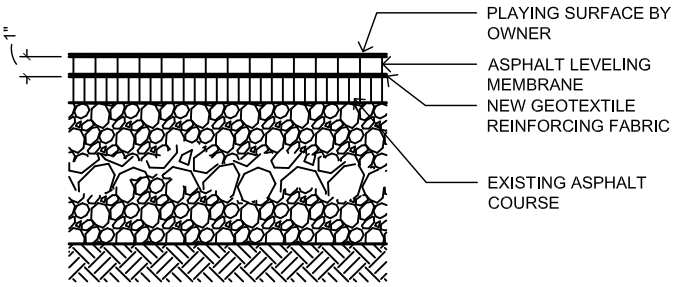
A. The Geotextile fabric shall be a polyester or polypropylene needle punched, non-woven fabric meeting the following minimum standards.

1.	Fabric weight	4.0 ounces/square yard, ASTMD-3776 40 mils, ASTM D-1777
2.	Fabric thickness	90 pounds, ASTM D-4632 55%,
3.	Tensile strength	ASTMD-4632 200 pounds per
4.	Grad elongation	square inch, ASTMD-3786
5.	Mullen burst strength	0.20 gallons/square yard
6.	Asphalt retention	

B. Geotextile fabric shall be supplied by the following manufacturers or approved equivalent:

1. TREVIRA SPUNBOUND # 114
HOECHST CELANESE
CORPORATION
P.O. Box 5887
Spartanburg, South Carolina
29304-5887 (800) 845-7597

2. AMOCO PETROMAT Style 4598
AMOCO FABRICS & FIBERS CORPORATION
250 The Bluffs
Austell, GA
30168 Tel:
770/944-4569



3.05 GEOTEXILE REINFORCING MEMBRANE

A geotextile fabric shall be installed over the HMA intermediate course to act as a reinforcing stress relief membrane and as a waterproofing membrane.

A. The geotextile shall be installed in accordance with the manufacturer's recommendations.

B. The surface upon which the fabric is to be placed should be free of dirt, foreign material water and vegetation. The geotextile should not be laid either immediately after a rain or when rain is imminent as rain may cause a loss of bond between fabric and the HMA pavement. Wet fabric rolls should not be laid. If rolls are wet, allow material to fully dry before using.

C. The liquid asphalt tack coat must be uniformly applied at a rate of 0.25 gallons per square yard residual asphalt to the surface of the HMA intermediate course. Sufficient asphalt must be applied to insure an adequate bond between the fabric and the HMA intermediate course pavement surface and to saturate the fabric. Excessive tack coat application should be avoided to prevent bleed through and possible slippage. Insufficient liquid asphalt can result in lack of bonding between the fabric and the pavement surface.

D. The geotextile shall be laid on the liquid asphalt tack coat applied to the surface of the HMA intermediate course, sprayed over the entire surface to insure full adhesion.

E. The liquid asphalt tack coat shall be applied at a temperature of not less than 290 degrees F and not greater than 320 degrees F, so as to not damage the geotextile fabric material. The liquid asphalt tack coat should be applied at least 6" wider than the fabric width to insure full adhesion of the fabric.

F. The geotextile fabric shall be rolled into the liquid asphalt while the liquid asphalt is still hot and retains its tackiness. The fabric should be unrolled So the bearded (fuzzy) side of the fabric is laid face down into the liquid asphalt.

F.A. Overlay of the fabric joints should be from a minimum of one inch (I ") to a maximum of three inches (3"). Transverse joints should be "shingled" in the direction of paving to prevent edge pick-up by the paving equipment during the HMA leveling course operations. An additional liquid asphalt prime coat of 0.20 gallons per square yard residual at least six inches in width shall be applied to the fabric joints to insure adequate bond.
Traffic shall not be allowed on the geotextile fabric after it is applied to the HMA intermediate course and prior to the laying of the HMA leveling course.

1 / A-2 **GEO FABRIC**
SCALE: 1/2" = 1'

DATE: 03-28-2023

COPELAND-COX TENNIS CENTER - TENNIS COURT RESURFACING
851 GAILLARD DRIVE, MOBILE, ALABAMA
PROJECT # CT-010-23

City of Mobile
Architectural Engineering Department

205 Government Street
South Tower, 5th Floor
PO Box 1827
Mobile, Alabama 36633