



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
PO BOX 778
DOVER, DELAWARE 19903

JACK MARKELL
GOVERNOR

SHAILEN BHATT
SECRETARY

VIA OVERNIGHT DELIVERY

(302) 760-2030
FAX (302) 739-2254

August 30, 2013

Contract No. T201206308.01
Federal Aid Project No. ESTP-S028(03)
Pavement & Rehabilitation, South II-VIII, 2012
Sussex County

Ladies and Gentlemen:

Enclosed is Addendum No. 2 for the referenced contract consisting of the following:

NOTE: The date for the receipt of bids has been moved to Tuesday, September 10, 2013.

1. One (1) page, Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. One (1) page, Table of Contents, page iv, revised, to be substituted for the same page in the Proposal.
3. Four (4) pages, Special Provisions, 748553 - Preformed Retroreflective Thermo Pavement Marking, Bike Symbol, pages 83A through 83D, new, to be added to the Proposal.
4. Quantities have been revised for the following items:
762002
5. The following item has been added:
748553
6. Four (4) pages, Bid Proposal Forms, pages 1 through 4, revised, to be substituted for the same pages in the Proposal.
7. Five (5) sheets, Construction Plans, sheets 1, 14, 15, 18 and 19, revised, to be substituted for the same sheets in the Plan Set.
8. For proposal holders with the electronic bid option only, Amendment Disk No. 1.

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

signature on file

James H. Hoagland
Contract Services Administrator

jhh:
Enclosures

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T201206308.01

FEDERAL AID PROJECT NO. ESTP-S028(03)

PAVEMENT & REHABILITATION, SOUTH II-VIII, 2012

SUSSEX COUNTY

ADVERTISEMENT DATE: JULY 29, 2013

Completion Date 110 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2001

Bids will be received in the Bidder's Room, Transportation Administration Center, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time ~~August 27, 2013~~ **Thursday, September 5, 2013; Tuesday, September 10, 2013.**

401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG-64-22, PATCHING [65](#)
401827 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, (NON-CARBONATE STONE) [65](#)
746774 - SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE [72](#)
748502 - RAISED/RECESSED PAVEMENT MARKER [74](#)
748548 - PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5" [75](#)
748553 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL [83A](#)
749687 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON SINGLE SIGN POST [84](#)
760502 - PAVEMENT MILLING, TAPER CUT [85](#)
760507 - PROFILE MILLING, HOT-MIX [86](#)
763643 - MAINTENANCE OF TRAFFIC – ALL INCLUSIVE [88](#)

UTILITY STATEMENT [93](#)

RIGHT OF WAY CERTIFICATE [95](#)

ENVIRONMENTAL STATEMENT [97](#)

BID PROPOSAL FORMS [99](#)

CERTIFICATION [109](#)

BID BOND [111](#)

- 748541 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
4"**
- 748542 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
6"**
- 748543 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
8"**
- 748544 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
12"**
- 748545 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
16"**
- 748546 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
SYMBOL/LEGEND**
- 748553 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
BIKE SYMBOL**
- 748554 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
PEDESTRIAN SYMBOL**
- 748555 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS,
HANDICAP SYMBOL**

Description:

This work consists of furnishing and installing preformed retroreflective thermoplastic pavement marking with a preapplied Federal Specification Type IV glass bead coating throughout its entire cross section on bituminous asphalt pavement at the locations and in accordance with the patterns on the Plans, or as directed by the Engineer.

The preformed retroreflective markings shall conform to the size and dimensions as shown in the Federal "Standard Highway Signs" book found at: <http://mutcd.fhwa.dot.gov/SHSe/pavement.pdf> as referred to in the Delaware Manual on Uniform Traffic Control Devices, Part 3, Markings.

Materials:

General: Only materials listed on the Department's Approved Pavement Markings Material List will be used for this item. The preformed retroreflective markings shall be fusible to bituminous asphalt pavement by means of the normal heat of a propane type of torch. Adhesives, primers or sealers are not necessary prior to the preformed retroreflective markings application on bituminous asphalt pavement.

The preformed retroreflective markings shall conform to pavement contours, breaks and faults through the action of traffic at normal pavement temperatures. The markings shall have resealing characteristics and be capable of fusing to itself and previously applied worn hydrocarbon and/or alkyd thermoplastic pavement markings.

The preformed retroreflective markings shall be capable of application on bituminous asphalt pavement wearing courses during the paving operation in accordance with the manufacturer's instructions. After application the markings shall be immediately ready for traffic. The preformed retroreflective markings shall be suitable for use for one year after the date of receipt when stored in accordance with the manufacturer's recommendations.

The preformed retroreflective thermoplastic markings shall not be brittle and must be sufficiently cohesive and flexible at temperatures exceeding 50°F (10°C) for one person to carry without the danger of fracturing the material prior to application.

Composition: The retroreflective pliant rosin ester thermoplastic pavement markings shall consist of a homogeneous mixture of high quality polymeric thermoplastic binders, pigments, fillers and glass beads. The thermoplastic material must conform to AASHTO M249-79(86) with the exception of the relevant differences due to the material being preformed, and identified herein.

Intermix Glass Beads: The preformed retroreflective material shall contain a minimum of 30% glass spheres which shall conform to AASHTO M247-81 Type 1. Glass spheres shall have a minimum of 80% true spheres overall.

Top Beads: To provide the required retroreflectivity, the preapplied factory top coating of glass beads shall be a combination of both Federal Spec. Type IV and AASHTO M247-81 Type I beads. Federal Spec. Type IV beads shall be evenly disbursed across the entire surface of the product at a minimum rate of 4 lb. (1.8 kg) per 100 ft² (9.3 m²) and the AASHTO at 3 lb. (1.4 kg) per 100 ft² (9.3 m²). In combination, the total glass bead coverage shall be 7-8 lb. (3.2-3.6 kg) per 100 ft² (9.3 m²). The AASHTO M247-81 Type I beads shall have a minimum of 80% true spheres overall and the Federal Spec. Type IV beads shall be 80% true spheres on the 12 and 14 sieves and shall be no less than 75% true spheres on the remaining sieves.

Retroreflectivity: After satisfactory completion of all striping work and written notification from the contractor, the Department shall test the striping to ensure it has the minimum reflectivity. The testing will be completed within 30 calendar days from notification. Testing will be done using a Delta LTL 2000 Retrometer (30 meter geometry). The required minimum initial reflectivity reading in millicandellas shall be:

White 300
Yellow 200
Blue 200

Skid Resistance: The surface of the preformed retroreflective thermoplastic markings shall provide a pre-applied minimum skid resistance value of 45-51 BPN and a post-applied minimum skid resistance value of 45-55 BPN when tested according to ASTM E303-74.

Thickness: The thickness of the supplied material shall have a minimum average thickness of .090" (90 mils) for all Longitudinal lines and a thickness of .125" (125 mils) for all transverse lines and symbols/legends.

Tensile Strength and Elongation: The preformed retroreflective thermoplastic material shall have a minimum tensile strength of 150 lb. per square inch (1054 kg per square mm) of cross section, at .002" (2.28 mil) thickness, when tested according to ASTM D638-76 except that a sample 6" by 1" (150 mm by 25 mm) shall be tested at a temperature between 70°F and 80°F (21°C and 27°C) using a jaw speed of 10" to 12" (250 mm to 300 mm) per minute. The sample shall have a maximum elongation of 20% at break when tested by this method.

Flexibility: The preformed retroreflective thermoplastic marking material shall have flexibility at 50°F such that when a 1" by 6" (25 mm by 150 mm) sample is bent through an arc of 90 degrees at a uniform rate in 10 seconds (9 degrees per second) over a 1" (25 mm) mandrel, no cracking occurs in the test sample. The sample must be conditioned prior to testing at 50°F±2 degrees (10°C) for a minimum of four hours. At least two specimens tested must meet the flexibility requirements at 50°F (10°C) for a passing result.

Environmental Resistance: The applied markings shall be resistance to deterioration due to exposure to sunlight, water, oil, diesel fuels, gasoline, pavement oil content, salt and adverse weather conditions.

Effective Performance Life: When properly applied, in accordance with manufacturer's instructions, the preformed retroreflective pavement markings shall be neat and durable. The markings shall remain skid resistant and show no lifting, shrinkage, tearing, roll back or other signs of poor adhesion for a period of one winter season.

Oil/grease Resistant Test: The preformed retroreflective thermoplastic material shall not dissolve or smear after rubbing a small amount of motor oil on a small piece of the thermoplastic material for two minutes.

Bond Strength: The material shall exhibit a bond strength to Portland Cement Concrete (PCC) equal or exceed 180 psi when tested at room temperature (73.4±3°F) (23°C) in accordance to ASTM Standard Test Method for Bond Strength of thermoplastic marking Material D4796-88. Place a coarse brick in a 400°F (204°C) oven for 5 minutes. Prepare a 4 square inch test specimen. Place the test specimen on the brick and further heat in the 400°F (204°C) oven for 15 minutes. The test specimen is then allowed to cool to room temperature and prepared for testing.

Low Temperature Cracking (Stress) Resistance for Extended Period: The material shall be tested according to AASHTO T250 Section 7 with Section 7.2.3 modified for and extended cold temperature 15 degrees $\pm 3^{\circ}\text{F}$ ($-9.4 \pm 2^{\circ}\text{C}$) exposure period 72 hours. Any cracking shall constitute failure of the material for PCC road surfaces.

Impact Resistance (Gardner Falling Weight): A 2" by 7.5" (50 by 190 mm) specimen shall be applied on a course concrete brick. Using a Gardner Impact Tester, a 2 lb (.91 kg) weight is dropped from a height of 80" (2032 mm). The specimen when tested at room temperature $73.4 \pm 3^{\circ}\text{F}$ (23°C) should show no sign of cracking. (Test procedure is in accordance with ASTM D5420-93).

Packaging: The flexible preformed retroreflective thermoplastic marking materials, for use as transverse or longitudinal markings as well as legends, arrows and symbols shall be available in flat form material or in rolls. Flat material shall be supplied in maximum of 4' (1.2 m) lengths up to 2' (.6 m) in width. The material shall be packed in suitable cartons clearly labeled for ease of identifying the contents.

Construction Methods:

The markings shall be applied in strict accordance with the manufacturer's recommendations on clean and dry surfaces. Marking configurations shall be in accordance with the "Delaware Manual on Uniform Traffic Control Devices, Part 3, Markings."

The preformed retroreflective thermoplastic material shall be fusible to the pavement by means of a propane torch recommended by the manufacturer. Preheating the surface to remove any latent moisture will be done just prior to the placement and installation of the Symbol/ Legend.

No markings shall be placed when the ambient temperature is below 40°F (4°C). The material shall be kept in a location above 55°F (13°C) until just before application.

The supplier shall provide technical services as may be required.

Method of Measurement:

The quantity of pavement striping (748541-748545) will be measured by the number of linear feet (linear meters) of 4", 6", 8", 12", or 16" pavement striping line placed and accepted. The quantity of symbol/ legend (748546) will be measured by the number of square feet (meters) of symbol/legend placed and accepted. The quantity of bike symbol, pedestrian symbol, and handicap symbol (748551-748553) will be measured as each placed and accepted. The dimensions for the symbol/legends are as follows:

Bike Rider with Helmet shall be 3' X 5'.

Pedestrian shall be 4' X 8'.

Handicap Symbol shall be 40" X 40".

Basis of Payment:

The quantity of pavement striping payment will be paid for at the Contract unit price per linear foot (linear meter) for 4", 6", 8", 12" and 16" (100 mm, 150 mm, 200 mm, 300 mm, and 400 mm) line. The quantity of symbol/legend will be paid for at the Contract unit price per square foot (meter). The quantity of bike symbol, pedestrian symbol, and handicap symbol will be paid for at the Contract unit price per each. Price and payment shall include cleaning and preparing the pavement surface, and placing all materials, for all labor, tools, equipment and incidentals necessary to complete the work.

Warranty:

The Contractor shall warrant to the Department that the installed retroreflective preformed thermoplastic pavement markings are free of defects, as hereafter defined, for a period of one winter season beginning at the initial acceptance of the marking installation by the Department. The initial acceptance of the marking installation will occur upon the satisfactory correction of all deficiencies noted in the marking installation during the Final Inspection of the project. The markings shall be warranted against failure due to blistering,

excessive cracking, bleeding, staining, discoloration, oil content of the pavement materials, smearing and spreading under heat, deterioration due to contact with grease deposits, oil, diesel fuel, or gasoline drippings, chipping, spalling, poor adhesion to the pavement materials, vehicular damage, and wear from normal maintenance activities including snow plowing.

The Contractor shall repair all defective areas identified by the Department after initial installation or during the Warranty Period. All repairs shall begin immediately following the notice to the Contractor by the Department unless weather limitations prevent the corrective work. Should the contractor not commence work within the period stated in the notice, weather permitting, and pending severity, the Department reserves the right to remedy the condition and charge the contractor for the work. Any corrective work shall be as recommended by the manufacturer of the marking material and approved by the Department. The Department shall be given notification before the Contractor begins corrective work to allow for inspection of the operation. All costs associated with the repair work shall be the responsibility of the contractor. These costs shall include, but are not limited to, removal, material, maintenance of traffic, etc.

2/28/09

CONTRACT ID: T201206308.01 PROJECT(S): ESTP-S028(03)

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 Category 0001						

0010	302005 GRADED AGGREGATE BASE COURSE, TYPE B	200.000 TON				
0020	302007 GRADED AGGREGATE BASE COURSE, TYPE B	8.500 CY				
0030	401696 ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	1585.000 TON				
0040	401801 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	21180.000 TON				
0050	401823 WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	360.000 TON				
0060	401827 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON- CARBONATE STONE)	24000.000 TON				
0070	406001 WARM-MIX PATCHING	6280.000 SYIN				
0080	701010 PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	200.000 LF				

CONTRACT ID: T201206308.01 PROJECT(S): ESTP-S028(03)

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0090	710001 ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	EACH 5.000				
0100	732004 TOPSOIL (TON)	TON 1710.000				
0110	734013 PERMANENT GRASS SEEDING, DRY GROUND	SY 20711.000				
0120	743003 ARROWPANELS, TYPE C	EADY 150.000				
0130	743004 FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	EADY 28.000				
0140	743005 FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	EADY 440.000				
0150	743007 TRAFFIC OFFICERS	HOUR 1100.000		75.00000		82500.00
0160	743010 FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	EADY 150.000				
0170	743058 FLAGGER, SUSSEX COUNTY, FEDERAL	HOUR 2400.000		46.94000		112656.00
0180	743067 FLAGGER, SUSSEX COUNTY, FEDERAL, OVERTIME	HOUR 240.000		68.06000		16334.40

CONTRACT ID: T201206308.01 PROJECT(S): ESTP-S028(03)

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0190	746774 SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	1400.000 LF				
0200	748015 PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	1860.000 SF				
0210	748019 TEMPORARY MARKINGS, PAINT, 4"	387308.000 LF				
0220	748026 TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	3720.000 SF				
0230	748502 RAISED/RECESSED PAVEMENT MARKER	780.000 EACH				
0240	748548 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	193654.000 LF				
0250	749687 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	4.000 EACH				
0260	758000 REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	17.000 SY				
0270	760012 RUMBLE STRIPS, BIKE-FRIENDLY, HOT-MIX	124000.000 LF				

CONTRACT ID: T201206308.01 PROJECT(S): ESTP-S028(03)

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0280	760502 PAVEMENT MILLING, TAPER CUT	1140.000 SYIN				
0290	760507 PROFILE MILLING, HOT-MIX	17400.000 SYIN				
0300	761001 BUTT JOINTS, HOT MIX	1500.000 SY				
0310	762001 SAW CUTTING, HOT MIX	500.000 LF				
0320	762002 SAW CUTTING, CONCRETE, FULL DEPTH	40.000 LF				
0330	763000 INITIAL EXPENSE	LUMP	LUMP			
0340	763643 MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	LUMP			
0341	748553 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	6.000 EACH				
	SECTION 0001 TOTAL					
	TOTAL BID					

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
OFFICE OF TRANSPORTATION SOLUTIONS
PLANS AND SPECIFICATIONS FOR

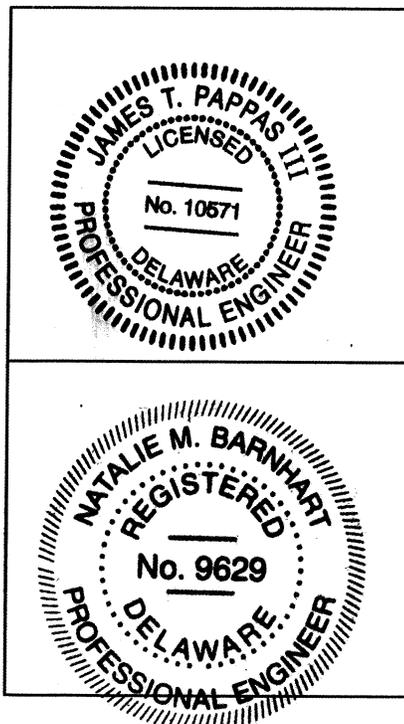
CONTRACT NUMBER - T201206308.01 SOUTH MAINTENANCE
FEDERAL AID NUMBER - ESTP-S028(03) PRIMAVERA ID - 12-06308
CONTRACT TITLE - PAVEMENT & REHABILITATION - SOUTH II-VIII, 2012 PAGE 1 OF 19

PLANS PREPARED BY: Paul Farkas
DESIGN TECHNICIAN

DATE RECOMMENDED: 12/14/2011
Bradford L. Salvo
GROUP ENGINEER, CONSTRUCTION - SOUTH II

DATE RECOMMENDED: 12.22.11
J. T. Pappas III
ASSIST. DIRECTOR DESIGN

DATE RECOMMENDED: 12-22-11
Natalie Barnhart
CHIEF ENGINEER



DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206308

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**SOUTH
MAINTENANCE**

PAVEMENT & REHABILITATION, SOUTH II-VIII, 2012

LOCATION 1 COUNTY SEAT HWY/DE9(S28) FROM HMJ EAST OF SUSSEX HWY/US13(S2) TO HMJ WEST OF DUPONT BLVD(S113)

LENGTH 18917.4120 m 62065.0000 L.F. AADT 6559

GENERAL IMPROVEMENTS

2 1/2" (TWO LIFTS OF 1 1/4") WARM-MIX FULL WIDTH OVERLAYS - MAINLINE(64-22,NC) AND SHOULDERS(64-22,C).

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

302005	GRADED AGGREGATE BASE COURSE, TYPE B	200.00 TON
302007	GRADED AGGREGATE BASE COURSE, TYPE B	8.50 C.Y.
401696	ENTRANCE, DRIVEWAY AND INTERSECTINGSTREET PAVING SURCHARGE	1,585.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	21,180.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	360.00 TON
401827	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON- CARBONATE STONE)	24,000.00 TON
406001	WARM-MIX PATCHING	6,280.00 SY-IN
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	200.00 L.F.
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	5.00 EACH
732004	TOPSOIL (TON)	1,710.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	20,711.00 S.Y.
743003	ARROWPANELS, TYPE C	150.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	28.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	440.00 EA-DY
743007	** TRAFFIC OFFICERS	1,100.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	150.00 EA-DY
743058	** FLAGGER, SUSSEX COUNTY, FEDERAL	2,400.00 HOUR
743067	** FLAGGER, SUSSEX COUNTY, FEDERAL, OVERTIME	240.00 HOUR
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	1,400.00 L.F.
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	1,860.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	387,308.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	3,720.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	780.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	193,654.00 L.F.
748553	 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	6.00 EACH
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	4.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	17.00 S.Y.

ADDENDUM No. 2 – Added Item - (8/28/13-PGF)

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201206308

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**SOUTH PAVEMENT & REHABILITATION, SOUTH II-VIII, 2012
MAINTENANCE**

CONTRACT QUANTITIES SUMMARY SHEET

302005	GRADED AGGREGATE BASE COURSE, TYPE B	200.00 TON
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734013	PERMANENT GRASS SEEDING, DRY GROUND	20,711.00 S.Y.
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743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	28.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	440.00 EA-DY
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743067	** FLAGGER, SUSSEX COUNTY, FEDERAL, OVERTIME	240.00 HOUR
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748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	193,654.00 L.F.
 748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	6.00 EACH
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	4.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	17.00 S.Y.
760012	RUMBLE STRIPS, BIKE-FRIENDLY, HOT-MIX	124,000.00 L.F.

ADDENDUM No. 2 – Added Item - (8/28/13-PGF)

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201206308

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SOUTH PAVEMENT & REHABILITATION, SOUTH II-VIII, 2012
MAINTENANCE

CONTRACT QUANTITIES SUMMARY SHEET

760502	PAVEMENT MILLING, TAPER CUT	1,140.00 SY-IN
760507	PROFILE MILLING, HOT-MIX	17,400.00 SY-IN
761001	BUTT JOINTS, HOT MIX	1,500.00 S.Y.
762001	SAW CUTTING, HOT MIX	500.00 L.F.
 762002	SAW CUTTING, CONCRETE, FULL DEPTH	40.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

** DENOTES FIXED PRICE ITEM