



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

October 27, 2011

Contract No. T201206201.01  
Federal Aid Project No. ESTP-2011(26)  
PAVEMENT & REHABILITATION, SOUTH I-I, 2012  
Kent County

Ladies and Gentlemen:

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

1. One (1) page, Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. One (1) page, Location Description, page i, revised, to be substituted for the same page in the Proposal.
3. One (1) page, Table of Contents, page iv, revised, to be substituted for the same page in the Proposal.
4. The following Standard Specification has been deleted from the Proposal:  

**406002 - Hot Mix Patching, Concrete**
5. Two (2) pages, Special Provisions, 705504 - Brick and/or Block Sidewalk, pages 76A through 76B, new, to be added to the Proposal.
6. Eight (8) pages, Bid Proposal Forms, pages 1 through 8, revised, to be substituted for the same pages in the Proposal.
7. One (1) page, Breakout Sheet, Breakout Sheet - 1, revised, to be substituted for the same page in the Proposal.
8. Twenty four (24) sheets, Construction Plans, sheets 1, 7, 17 through 25, 28, and 30 through 41, revised, to be substituted for the same sheets in the Plan Set.
9. For proposal holders with the electronic bid option only, Amendment Disk No. 1.

## Questions and Answers:

1. Will work be permitted on multiple locations at the same time?

**As long as pedestrian movements at each intersection are maintained, curb work at can be completed on multiple locations at the same time, however there can be no lane restrictions on multiple locations (for paving and curb work operations).**

2. The square footage of all the curb ramp items equates to approximately 380 curb ramps. Because of the number of ramps, the restrictions on construction due to pedestrian traffic, and the project's restrictions on weekend work, there are not enough calendar days to complete the project. Coupled with DELDOT's insistence that the curb and sidewalk in the ramp must be poured separately, we believe this contract will require approximately 150 Work Days on the ramps alone (approximately 210 calendar days). This time computation assumes working on multiple locations at a time, and does not include the time that will be required for the other work items on the project. Adding in the other work (30 days of paving, 7 days of profile milling, 5 days painting, 40 days for electric) takes the project to a total of approximately 325 calendar days.

**Addressed in Addendum No. 2. Time was increased to 250 calendar days.**

3. Will monolithic pours be acceptable for the curb ramps if expansion joint is installed between the curb and the sidewalk? This would cut the project time dramatically, as well as the cost per square foot of curb ramp. If the curb ramps are poured this way, and multiple locations are worked on at a time, then 205 calendar days should be adequate to complete the project.

**Monolithic pours will be acceptable as long as a full depth bond breaker is placed between curb and sidewalk, as approved by the field engineer.**

4. Why is there no item for temporary ramps and resetting temporary ramps?

**Pedestrian traffic can be detoured before and after the work zones.**

5. Will millings be an acceptable temporary surface in ramp removal areas?

**No.**

6. Why are there no flagger hours listed for locations 2, 3, 5, & 6?

**Flagger items were added under Addendum No. 2.**

7. Why is there no item for mulch or matting?

**All locations are curbed except location 4 and 7 which are partially curbed. For areas requiring seeding the mulch is incidental to the seeding item 734XXX. Reference additions and Revision (2-23-2011) section 734.10 Basis of payment.**

8. In reference to the upcoming bid for contract T201206201, can DeIDOT please provide the existing depth of asphalt over concrete for all locations that have either item 406002(hot mix patching concrete) or item 503001(patching pcc pavement)?

**Addressed in Addendum No. 2.**

9. Will DelDOT consider monolithic pours for the curb ramp items?

**Addressed in Addendum No. 2.**

10. At loc #4 what is item 302005 used for other than the 10.92 tons under the PCC Curb Type 1 and 4" sidewalk?

- a. **7 tons for 100 LF p.c.c. curb type 1 base.**
- b. **15 tons for 600 SF sidewalk base.**

11. a.. Where is the detail for item 406002 found in the specs?

**Item 406002 and associated items were deleted under Addendum No. 2.**

- b. What is the depth of the existing hot mix and concrete we are removing at this location? What will be the total depth of excavation? What is the typical section for the hot mix we are placing in the excavated area?

**The typical pavement section was addressed under Addendum No. 2 with the following note;**

**TYPICAL EXISTING PAVEMENT FOR P.C.C. PATCHING IS 5 +/- INCHES OF HOT-MIX OVER 9 +/- INCHES OF P.C.C. CONCRETE.**

12. At loc #1 and #3, what is the depth of the existing concrete we are replacing under item 503001?

**The typical pavement section was addressed under Addendum No. 2 with the following note;**

**TYPICAL EXISTING PAVEMENT FOR P.C.C. PATCHING IS 5 +/- INCHES OF HOT-MIX OVER 9 +/- INCHES OF P.C.C. CONCRETE.**

13. Can steel plates be used?

**No.**

14. Must the roadway be opened to traffic at the end of each work day?

**Yes.**

15. Does DelDOT have the sizes of the patches or all they all 6' x 12' patches?

**Average p.c.c. patch size is 6'X12'.**

16. What is the removal (item 758000) at location #1? It appears to the pcc concrete pavement under item 503001 but that is incidental to item 503001 isn't it?

**Addressed in Addendum No. 2. This item was deleted from this location.**

17. Other than the 80 lf of PCC Curb Type 1 which is 6 sy what else are we removing at location #2 (item 758000)?

**The item quantity has been revised to 7 SY and was addressed under Addendum No. 2.**

18. Is there sufficient area at the Magnolia Yard to store 24000 tons of millings?

**Yes.**

19. Page 35 of 41 for location #6 says the work hours at this location is 8:00pm to 6:00am so why does the breakout sheet for maintenance of traffic for this location indicate daytime recommended cases 2 and 6?

**Bid as per the plans, the breakout sheet was revised under Addendum No. 2.**

20. Item # 720573 - Adjusting Guardrail Height - Is it intended to adjust the existing guardrail in accordance with the new 31" guardrail height requirement as per Standard # B-1 to include post spacing at 3'-1 1/2" from the splice locations and the larger offset blocks/post bolts? Or in accordance with the existing 27" guardrail height requirement as per Standard # B-15 with post spacing at 6'-3" from the splice locations and the smaller offset blocks/post bolts? If it is the new 31" requirement, all existing panel will have to be punched at 3'-1 1/2" spacing since the existing appears to be 6'-3" spacing.

**It is intended to adjust the guardrail in accordance with the existing 27" guardrail height requirement as per Standard # B-15.**

21. In reference to the upcoming bid for contract T201206201, will DelDOT consider adding calendar days to the completion date?

**Calendar days was increased to 250 per Addendum No. 2.**

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

Sincerely,



Scott S. Gottfried  
Competitively Bid Contracts Coordinator  
:ssg  
Enclosures

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T201206201.01

FEDERAL AID PROJECT NO. ESTP-2011(26)

ADVERTISEMENT DATE: OCTOBER 3, 2011

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

KENT COUNTY

Completion Date ~~175~~ **250** 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 November 1, 2011

**Contract No.T201206201.01**

**Federal Aid Project No. ESTP-2011(26)**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012  
KENT COUNTY**

**LOCATION**

These improvements are located in KENT County more specifically shown on the Location Map(s) of the enclosed Plans.

**DESCRIPTION**

The improvements consist of furnishing all materials for PAVEMENT & REHABILITATION, SOUTH I-I, 2012, and other incidental construction in accordance with the location, notes and details shown on the plans and as directed by the Engineer.

**COMPLETION DATE**

All work on this contract must be complete within ~~175~~ **250** Calendar Days .

It is the Department's intent to issue a Notice to Proceed such that work starts on or about February 1, 2012.

**ELECTRONIC BIDDING**

This project incorporates the electronic bidding system Expedite 5.2b. Bidder wishing to use the electronic bidding option should request a bid file disk and installation CD.

**PROSPECTIVE BIDDERS NOTE:**

1. No retainage will be withheld on this contract.
2. The Department has adopted an External Complaint Procedure. The procedure can be viewed on our website at; <http://www.deidot.gov/information/business/>, or you may request a copy by calling (302) 760-2555.

401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	<u>60</u>
401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG-64-22, PATCHING	<u>60</u>
401833 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON-CARBONATE STONE)	<u>60</u>
503001 - PATCHING P.C.C. PAVEMENT, 6' TO 15', TYPE A	<u>68</u>
503006 - DOWEL BARS	<u>68</u>
503503 - PATCHING CONCRETE	<u>74</u>
602547 - WATERPROOFING BRIDGE DECK	<u>75</u>
705504 - BRICK AND/OR BLOCK SIDEWALK	<u>76A</u>
708500 - REPLACING CATCH BASIN GRATES	<u>77</u>
708504 - REPLACING CATCH BASIN FRAMES	<u>77</u>
720573 - ADJUSTING GUARDRAIL HEIGHT	<u>78</u>
720585 - GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1 - 31	<u>79</u>
744520 - CONDUIT JUNCTION WELL, TYPE 1, 20" x 20" PRECAST CONCRETE	<u>81</u>
744523 - CONDUIT JUNCTION WELL, TYPE 4, 20" x 42 1/2" PRECAST CONCRETE	<u>81</u>
744505 - ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	<u>83</u>
745527 - SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	<u>84</u>
745529 - SUPPLY OF 1 1/2" GALVANIZED STEEL CONDUIT	<u>84</u>
745542 - INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT - DIRECTIONAL BORE	<u>86</u>
745543 - INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT - OPEN CUT	<u>86</u>
745544 - INSTALLATION OF CONDUIT IN UNPAVED TRENCH	<u>86</u>
746774 - SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	<u>90</u>
746776 - LOOP DETECTOR SPLICE	<u>92</u>
746830 - REMOVAL OF CONCRETE POLE BASES AND CABINET FOUNDATIONS	<u>94</u>
746847 - POLE BASE TYPE 3	<u>95</u>
746850 - POLE BASE TYPE 4	<u>95</u>
748502 - RAISED/RECESSED PAVEMENT MARKER	<u>97</u>
748548 - PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	<u>98</u>
748553 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	<u>108</u>
748554 - PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, PEDESTRIAN SYMBOL	<u>108</u>
760507 - PROFILE MILLING, HOT-MIX	<u>112</u>
763502 - MAINTENANCE OF RAILROAD TRAFFIC (NORFOLK SOUTHERN)	<u>114</u>
763621 - CONSTRUCTION ENGINEERING, RE-SURFACING	<u>124</u>
763643 - MAINTENANCE OF TRAFFIC – ALL INCLUSIVE	<u>126</u>
UTILITY STATEMENT	<u>131</u>
RIGHT OF WAY CERTIFICATE	<u>133</u>
ENVIRONMENTAL STATEMENT	<u>135</u>
<b>BID PROPOSAL FORMS</b>	<u><b>137</b></u>
<b>BREAKOUT SHEETS</b>	<u><b>155</b></u>

**705504 - BRICK AND/OR BLOCK SIDEWALK**  
**705506 - BRICK AND/OR BLOCK ROADWAY****Description:**

This work consists of furnishing all materials and constructing brick and/or block sidewalk/roadway in accordance with these specifications and in reasonably close conformity with the lines, grades, dimensions, and notes on the Plans and as established by the Engineer.

**Materials:**

The brick/block, referred to as "pavers" elsewhere in this special provision, shall be the shape, style, size and color as specified on the Plans.

1. If the pavers specified are concrete unit pavers, they shall have an average compressive strength of 8000 psi (55 MPa) with no single paver having a compressive strength less than 7200 psi (52 MPa) at the time of delivery to the project. The pigment loading shall be a minimum of 3% and the pigmentation shall be uniform throughout the paver.
2. If the pavers specified are clay brick, the pavers shall meet the requirements of ASTM C902, Class SX, Type I.

In cases of existing sidewalk, the new pavers shall match the existing bricks in material, color and size, unless noted otherwise on the Plans.

If the Plans are silent regarding pavers, the Contractor shall supply clay brick in a color approved by the Engineer.

Sample pavers shall be submitted for approval and if requested by the Engineer, 3 x 3 (0.9 m x 0.9 m) sample panels shall be constructed for approval.

The edge restraint system shall be as specified on the Plans or as recommended by the paver manufacturer, whichever is stronger.

Sand for bedding shall conform to the requirements of Section 804 - Fine Aggregate.

Sand for filling joints shall conform to the requirements of Section 818 - Mortar Sand.

Portland Cement Concrete for sidewalk shall conform to the requirements of Section 812, Class B.

Expansion for sidewalk shall conform to the requirements of Subsection 808.06.

**Construction Methods:**

Place concrete for sidewalk to depths shown on plans and construct in accordance with Section 705 of the Standard Specifications.

Install the edge restraint system on the approved base as shown on the Plans where existing conditions do not provide edge restraint.

Spread a leveling course of bedding sand 1 to 1 1/2 inches (25 to 38 mm) thick, taking care that moisture is constant and the density is loose until the unit pavers are set and compacted. Place a material such as geotextile, or other approved material at curb joints to prevent sand from bleeding through.

Place pavers in patterns as designated on the Plans. If a joint spacing is not noted on the Plans, place the pavers with a tight joint. Select pavers from 4 or more cubes to blend color and texture variations. Do not

use pavers with chips, cracks, discolorations, or other defects. Cut pavers with a motor driven masonry wet saw to provide clean, sharp, unchipped edges. Cut pavers to fit pattern specified and to neatly fit adjoining material.

Vibrate the pavers into the sand leveling course with a low amplitude plate vibrator capable of a 3,500 to 5,000 pound (1,600 to 2,300 kg) compaction force. Perform at least 3 passes across paving with vibrator. Protect paver face and edges by spreading a cushion of sand over the surface. Be careful not to destroy edges.

Spread dry sand and fill joints immediately after vibrating the pavers into leveling course. Brush and vibrate sand until joints are completely filled, then remove excess sand.

Prior to acceptance, any pavers that are chipped, broken, stained, or damaged shall be replaced at the contractor's expense.

**Method of Measurement:**

The quantity of brick and/or block paving will be measured as the number of square feet (square meters) of sidewalk and/or roadway completed in-place and accepted.

**Basis of Payment:**

The quantity of brick and/or block paving will be paid for at the Contract unit price per square foot (square meter). Price and payment will constitute full compensation for excavation, furnishing and installing portland cement concrete, expansion material, brick pavers, restraint system, bedding sand, geotextile and sand for filling joints and for all labor, equipment, tools, and incidentals necessary to complete the work.

3/08/2011

CONTRACT ID: T201206201.01 PROJECT(S): ESTP-2011(26)

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	211002 REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	200.000 LF				
0020	212001 UNDERCUT EXCAVATION, PATCHING	6.000 CY				
0030	302005 GRADED AGGREGATE BASE COURSE, TYPE B	32.000 TON				
0040	302008 GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.000 CY				
0050	401696 ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	939.000 TON				
0060	401801 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	1934.000 TON				
0070	401823 WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	281.000 TON				
0080	401833 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	25272.000 TON				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0090	402000 HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	214.000 TON				
0100	406001 HOT-MIX PATCHING	5600.000 SYIN				
0120	503001 PATCHING P.C.C. PAVEMENT, 6' TO 15', TYPE A	272.000 SY				
0130	503006 DOWEL BARS	544.000 EACH				
0140	503503 PATCHING CONCRETE	1428.000 SYIN	5.65000		8068.20	
0150	602547 WATERPROOFING BRIDGE DECKS, SIDEWALKS ETC.	2400.000 SF				
0160	701010 PORTLAND CEMENT CONCRETE CURB, TYPE 1	180.000 LF				
0170	701020 INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1	20.000 LF				
0180	705001 P.C.C. SIDEWALK, 4"	680.000 SF				
0190	705007 SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	2370.000 SF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	705008 CURB RAMP, TYPE 1	10260.000				
		SF				
0210	705009 CURB RAMP, TYPE 2, 3, AND/OR 4	27550.000				
		SF				
0220	705010 CURB RAMP, TYPE 5	185.000				
		SF				
0230	708500 REPLACING CATCH BASIN GRATES	15.000				
		EACH				
0240	708504 REPLACING CATCH BASIN FRAMES	15.000				
		EACH				
0250	710001 ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	41.000				
		EACH				
0260	710002 ADJUSTING AND REPAIRING EXISTING MANHOLE	161.000				
		EACH				
0270	720573 ADJUSTING GUARDRAIL HEIGHT	560.000				
		LF				
0280	720585 GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	4.000				
		EACH				
0290	732004 TOPSOIL (TON)	418.000				
		TON				

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CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	734013 PERMANENT GRASS SEEDING, DRY GROUND	5189.000 SY				
0310	734017 TEMPORARY GRASS SEEDING, DRY GROUND	5189.000 SY				
0320	743003 ARROWPANELS, TYPE C	226.000 EADY				
0330	743004 FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	98.000 EADY				
0340	743005 FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	816.000 EADY				
0350	743007 TRAFFIC OFFICERS	2038.000 HOUR		75.00000		152850.00
0360	743010 FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	226.000 EADY				
0370	743051 FLAGGER, KENT COUNTY, STATE	11006.000 HOUR		40.83000		449374.98
0380	743063 FLAGGER, KENT COUNTY, STATE, OVERTIME	1638.000 HOUR		59.20000		96969.60
0390	744505 ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	26.000 EACH				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0400	744520 CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	16.000 EACH				
0410	744523 CONDUIT JUNCTION WELL, TYPE 4, 20" X 42" 1/2" PRECAST CONCRETE	2.000 EACH				
0420	745527 SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	2280.000 LF				
0430	745529 SUPPLY OF 1 1/2" GALVANIZED STEEL CONDUIT	280.000 LF				
0440	745542 INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	1000.000 LF				
0450	745543 INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	370.000 LF				
0460	745544 INSTALLATION OF CONDUIT IN UNPAVED TRENCH	1020.000 LF				
0470	746774 SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	16590.000 LF				
0480	746776 LOOP DETECTOR SPLICE	184.000 EACH				
0490	746830 REMOVAL OF CONCRETE POLE BASES AND CABINET FOUNDATIONS	9.000 CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0500	746847 POLE BASE, TYPE 3	5.000				
	EACH					
0510	746850 POLE BASE, TYPE 4	64.000				
	EACH					
0520	748015 PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	29596.000				
	SF					
0530	748019 TEMPORARY MARKINGS, PAINT, 4"	291560.000				
	LF					
0540	748026 TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	56641.000				
	SF					
0550	748027 PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	1650.000				
	LF					
0560	748502 RAISED/RECESSED PAVEMENT MARKER	303.000				
	EACH					
0570	748548 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	153048.000				
	LF					
0580	748553 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	12.000				
	EACH					

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0590	748554 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, PEDESTRIAN SYMBOL	11.000 EACH				
0600	750000 ADJUST WATER VALVE BOXES	125.000 EACH				
0610	758000 REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	97.000 SY				
0620	760507 PROFILE MILLING, HOT-MIX	428985.000 SYIN				
0630	761001 BUTT JOINTS, HOT MIX	600.000 SY				
0640	762001 SAW CUTTING, HOT MIX	8280.000 LF				
0650	762002 SAW CUTTING, CONCRETE, FULL DEPTH	1040.000 LF				
0660	763000 INITIAL EXPENSE	LUMP	LUMP			
0670	763502 MAINTENANCE OF RAILROAD TRAFFIC	LUMP	LUMP			
0680	763621 CONSTRUCTION ENGINEERING, RE-SURFACING	LUMP	LUMP			

CONTRACT ID: T201206201.01 PROJECT(S): ESTP-2011(26)

All figures must be typewritten.

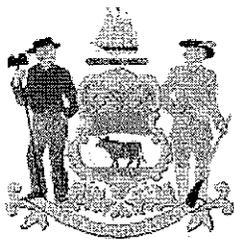
CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0690	763643 MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	LUMP			
0691	705504 BRICK AND/OR BLOCK SIDEWALK	190.000 SF				
	SECTION 0001 TOTAL					
	TOTAL BID					

SECTION 1						BREAKOUT SHEET - 1						CONTRACT NO.T201206201						
ITEM 763643 - Maintenance of Traffic- All Inclusive																		
Location No.	Location - Description					MOT Case Number					Unit of Measurement	Unit Price					Calendar Days	
1	Kings Hwy/Division St - Kings Hwy to US 13					Nighttime recommended Cases 2,6					L.S.	\$						
2	Loockerman St - Forrest Ave to US 13					Nighttime recommended Cases 2,6, 17-A					L.S.	\$						
3	N. Governors Ave. - W. Water St to HMJ North side of Walker Road					Nighttime recommended Cases 2,6					L.S.	\$						
4	Forrest Ave/Division St - HMJ East of Cranbury Run to Kings Hwy Southwest (K66)					Nighttime recommended Cases 2,6, 17-A					L.S.	\$						
5	Walker Rd - HMJ at Saulsbury/Mckee to N. State St					Nighttime recommended Cases 2,6, 17-A					L.S.	\$						
6**	East Water St - HMJ West of Queen St to HMJ East of Legislative Ave					Nighttime recommended Cases 2,6					L.S.	\$						
7	College Road - Saulsbury /Mckee Rd to US 13					Nighttime recommended Cases 2,6, 17-A					L.S.	\$						
Total Lump Sum Bid for Item No. 763643 - Maintenance of Traffic - All Inclusive \$ _____															<u>Total Days*</u>			
															(LS Bid Price for 763643)			
															*Total Days should equal original contract duration			

\*\*ADDENDUM No. 2 - Revised Location 6 from Daytime to Nighttime recommended.

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION  
OFFICE OF TRANSPORTATION SOLUTIONS  
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER- T201206201

SOUTH I CONSTRUCTION

FEDERAL AID NUMBER- ESTP -2011 (26)

PAGE 1 OF 41

CONTRACT TITLE- PAVEMENT & REHABILITATION – SOUTH I-I, 2012

DATE RECOMMENDED: 7/28/11

DATE RECOMMENDED: 7/28/11

*Tennis M. Pinkert*  
GROUP ENGINEER, PAVEMENT MANAGEMENT

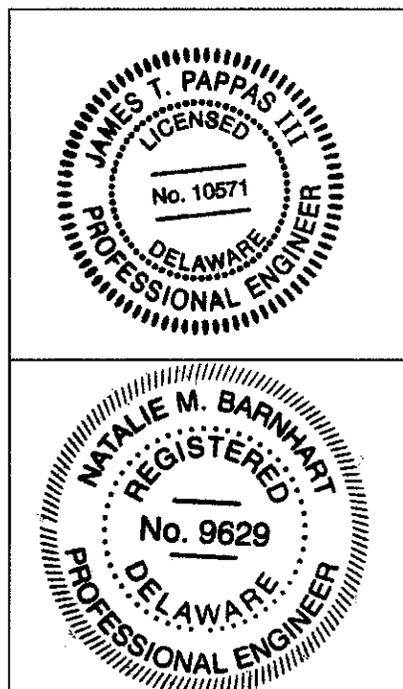
*Jt F Zf*  
GROUP ENGINEER CONSTRUCTION – SOUTH I

DATE RECOMMENDED: 7-28-11

*James T Pappas III*  
ASSIST. DIRECTOR DESIGN

DATE RECOMMENDED: 7/28/11

*Natalie Barnhart*  
CHIEF ENGINEER



PAVEMENT & REHABILITATION, SOUTH I-I, 2012

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**GENERAL CONTRACT PLAN NOTES**

USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" IS PRESENT IN MATERIAL USED FOR BACKFILL. AT EACH LOCATION, BACKFILLING SHALL BE PERFORMED IMMEDIATELY UPON REMOVAL OF FORMS FOR CURB OR SIDEWALK WORK. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF THE ITEM OF WORK. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

22. ALL ADJUSTMENTS SHALL BE MADE NO MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF HOT MIX UNLESS OTHERWISE APPROVED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

23. ALL PAVING, INCLUDING TURN LANES, SHOULDERS AND INTERSECTIONS, IS TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FROM THE TIME THE AREA WAS MILLED. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

24. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBS, ETC. SO THAT EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTHS IS NOT DAMAGED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE REMAINING AFTER MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING AND/OR RECLAMATION ITEMS.

25. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT UNLESS OTHERWISE APPROVED BY THE ENGINEER. ONLY CALIBRATED VOLUMETRIC CONCRETE TRUCKS WILL BE PERMITTED TO PROVIDE ON-SITE MIXTURES. THIS PERTAINS TO BOTH WORK OCCURRING DURING NORMAL WORKING HOURS AND NIGHTTIME RESTRICTED WORK.

26. DRAINAGE INLETS, WHICH ARE 4' GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 708.07 OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 710001.

27. THE PORTLAND CEMENT CONCRETE USED WITHIN ITEM 701002 - ADJUST AND REPAIR EXISTING MAN HOLES AND ITEM 750000 - ADJUST WATER VALVE BOX SHALL CONFORM TO THE REQUIREMENTS OF CLASS A CONCRETE AS STATED WITHIN SECTION 503.02 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.

28. THE USE OF A MONOLITHIC POUR FOR P.C.C. CURB RAMPS SHALL BE PERMITTED WITH A FULL DEPTH BOND BREAKER TO BE PLACED AT THE BACK OF THE CURB AND EDGE OF SIDEWALK AS APPROVED BY THE FIELD ENGINEER.



DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

LOCATION 1                    **KINGS HWY/DIVISION ST, DE8(K16) - (DOVER) FROM KINGS HWY,  
SOUTHWEST(K66) TO US13, DUPONT HWY(K7)**

LENGTH            688.848 m                    2260 L.F.                    AADT    16139

**GENERAL IMPROVEMENTS**

P.C.C. PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 1**

212001	UNDERCUT EXCAVATION, PATCHING	2.00 C.Y.
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.00 C.Y.
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	58.00 TON
<del>401823</del>	<del>WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING</del>	<del>66.00 TON</del>
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	1,330.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	11.00 TON
<del>408002</del>	<del>HOT-MIX PATCHING, CONCRETE</del>	<del>2,888.00 SY-IN</del>
503001	PATCHING P.C.C. PAVEMENT, 6' TO 15', TYPE A	96.00 S.Y.
503006	DOWEL BARS	192.00 EACH
503503	** PATCHING CONCRETE	566.00 SY-IN
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	190.00 S.F.
705008	CURB RAMP, TYPE 1	90.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,900.00 S.F.
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	20.00 EACH
743003	ARROWPANELS, TYPE C	16.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	64.00 EA-DY
743007	** TRAFFIC OFFICERS	160.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	16.00 EA-DY
743051	** FLAGGER, KENT COUNTY, STATE	640.00 HOUR
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	96.00 HOUR
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	4.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	280.00 L.F.
745529	SUPPLY OF 1 1/2" GALVANIZED STEEL CONDUIT	80.00 L.F.
745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	260.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	80.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	20.00 L.F.

**ADDENDUM No. 2 – Added & Deleted Items - (10/18/11-SM)**

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 1**                      **KINGS HWY/DIVISION ST, DE8(K16) - (DOVER) FROM KINGS HWY,  
SOUTHWEST(K66) TO US13, DUPONT HWY(K7)**

**LENGTH**            688.848 m                      2260 L.F.                      AADT    16139

**GENERAL IMPROVEMENTS**

P.C.C. PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 1**

746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	1,130.00 L.F.
746776	LOOP DETECTOR SPLICE	13.00 EACH
746850	POLE BASE, TYPE 4	4.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	1,347.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	10,125.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	2,694.00 S.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	5,063.00 L.F.
750000	ADJUST WATER VALVE BOXES	8.00 EACH
<del>758888</del>	<del>2</del> <del>REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.</del>	<del>96.88 S.Y.</del>
760507	PROFILE MILLING, HOT-MIX	22,000.00 SY-IN
762001	SAW CUTTING, HOT MIX	650.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	360.00 L.F.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

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LOCATION 1 KINGS HWY/DIVISION ST, DE8(K16) - (DOVER) FROM KINGS HWY, SOUTHWEST(K66)  
TO US13, DUPONT HWY(K7)

---

COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES)  
 CASE NO. 2 (SHOUDLERS)

2

PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT  
BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

2

TYPICAL EXISTING PAVEMENT FOR P.C.C. PATCHING IS 5 +/- INCHES OF HOT-MIX  
OVER 9 +/- INCHES OF P.C.C. CONCRETE.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF  
TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7.  
CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402,  
1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CONTRACTOR MAY BE ALLOWED  
TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL  
COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

TRAFFIC LOOPS AT:  
US 13 @ DIVISION ST  
DIVISION ST @ PARK DR

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 2                    LOOCKERMAN ST (K23) - (DOVER) FROM DE8, FORREST AVE(K51) TO US13,  
DUPONT HWY(K7)**

**LENGTH        2221.992 m                    7290 L.F.                    AADT    9046**

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 2**

302005	GRADED AGGREGATE BASE COURSE, TYPE B	7.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	51.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	4,260.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	37.00 TON
406001	HOT-MIX PATCHING	800.00 SY-IN
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1	80.00 L.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	380.00 S.F.
705008	CURB RAMP, TYPE 1	1,260.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	3,420.00 S.F.
705010	CURB RAMP, TYPE 5	120.00 S.F.
705504	 BRICK AND/OR BLOCK SIDEWALK	190.00 S.F.
708500	REPLACING CATCH BASIN GRATES	5.00 EACH
708504	REPLACING CATCH BASIN FRAMES	5.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	7.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	23.00 EACH
743003	ARROWPANELS, TYPE C	30.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	121.00 EA-DY
743007	** TRAFFIC OFFICERS	302.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	30.00 EA-DY
743051	 ** FLAGGER, KENT COUNTY, STATE	1,200.00 HOUR
743063	 ** FLAGGER, KENT COUNTY, STATE, OVERTIME	180.00 HOUR
744505	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	9.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	240.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	100.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	140.00 L.F.
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	3,600.00 L.F.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 2**                      **LOOCKERMAN ST (K23) - (DOVER) FROM DE8, FORREST AVE(K51) TO US13,  
DUPONT HWY(K7)**

**LENGTH**            2221.992 m                      7290 L.F.            **AADT**    9046

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 2**

746830	REMOVAL OF CONCRETE POLE BASES AND CABINET FOUNDATIONS	5.00 C.Y.
746847	POLE BASE, TYPE 3	2.00 EACH
746850	POLE BASE, TYPE 4	13.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	3,745.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	36,450.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	7,490.00 S.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	18,225.00 L.F.
748554	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, PEDESTRIAN SYMBOL	2.00 EACH
750000	ADJUST WATER VALVE BOXES	42.00 EACH
758000	 REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	7.00 S.Y.
760507	PROFILE MILLING, HOT-MIX	74,520.00 SY-IN
762001	SAW CUTTING, HOT MIX	2,000.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	4.00 L.F.
763502	MAINTENANCE OF RAILROAD TRAFFIC	1.00 L.S.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

**LOCATION 2 LOOCKERMAN ST (K23) - (DOVER) FROM DE8, FORREST AVE(K51) TO US13, DUPONT HWY(K7)**

**COMMENTS:**

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES)

- CASE NO. 2 (SHOULDERS)
- CASE NO. 17-A (RAILROAD)



PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

□□□□

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7. CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402, 1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

M.O.R. NOTES

- 
- NORFOLK SOUTHERN
  - 2 PER DAY (FREIGHT)\*
  - 2 PER NIGHT (FREIGHT)\*

\*NO PASSENGER SERVICE IS INVOLVED.

THE PAVEMENT AND REHABILITATION CONTRACT MILLING AND FINAL OVERLAY WILL TIE INTO THE R/R CROSSING AT THE R.O.W. LIMITS (TYPICALLY AT EXISTING HOT-MIX JOINT IF PRESENT.)

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CONTRACTOR MAY BE ALLOWED TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.



WHEN INSTALLING CONDUIT UNDER BRICK, THE REMOVAL AND RESETTING OF BRICK SHALL BE PAID UNDER ITEM 705504.



REPLACEMENT, INSTALLING AND/OR RESETTING OF EXISTING BRICK CURB RAMPS SHALL BE PAID UNDER ITEM 705504 IN COMPLIANCE TO THE STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ITEM 705526.

SIDEWALK SURFACE DETECTABLE WARNING SYSTEMS WHEN ON BRICK CURB RAMPS SHALL BE LIGHT IN COLOR.

TRAFFIC LOOPS AT:

- LOOCKERMAN ST @ QUEEN ST
- LOOCKERMAN ST @ NEW ST
- LOOCKERMAN ST @ GOVERNORS AVE
- LOOCKERMAN ST @ STATE ST
- LOOCKERMAN ST @ LEGISLATIVE AVE
- US 13 @ LOOCKERMAN ST





DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

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LOCATION 3 NORTH GOVERNORS AVE (K3) - (DOVER) FROM WEST WATER ST(K72) TO HMJ  
NORTH SIDE OF WALKER RD(K70)

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COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES)  
CASE NO. 2 (SHOUDLERS)

2 PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES  
□□□□

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT  
BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

HOT-MIX PATCHING ITEMS ARE FOR REPLACEMENT OF BAD UTILITY PATCHES.

2 TYPICAL EXISTING PAVEMENT FOR P.C.C. PATCHING IS 5 +/- INCHES OF HOT-MIX  
OVER 9 +/- INCHES OF P.C.C. CONCRETE.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF  
TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7.  
CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402,  
1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

\*THE REMOVAL OF EXISITING RAISED PAVEMENT MARKERS SHALL BE INCIDENTAL TO  
THE OVERLAY INCLUDING PLACING BACK COMPACTED HOT-MIX MATERIAL TO FILL THE  
EXPOSED VOID.

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CANTRACTOR MAY BE ALLOWED  
TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL  
COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

TRAFFIC LOOPS AT:  
GOVERNORS AVE @ WATER ST  
GOVERNORS AVE @ NORTH ST  
GOVERNORS AVE @ DIVISION ST  
FOVERNORS AVE @ N. STATE ST

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

LOCATION 4 FORREST AVE/DIVISION ST (K51) - (DOVER) FROM HMJ EAST OF CRANBURY RUN  
TO KINGS HWY SOUTHWEST(K66)

COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES).  
.  CASE NO. 2 (SHOULDERS).  
. CASE NO. 17-A (RAILROAD).



PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT  
BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

DO NOT MILL AND OVERLAY SAULSBURY RD, TIE INTO NEW PAVEMENT HOT-MIX JOINTS.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF  
TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7.  
CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402,  
1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

M.O.R. NOTES

-----  
NORFOLK SOUTHERN  
.  2 PER DAY (FREIGHT) \*  
.  2 PER NIGHT (FREIGHT) \*

\*NO PASSENGER SERVICE IS INVOLVED.

THE PAVEMENT AND REHABILITATION CONTRACT MILLING AND FINAL OVERLAY WILL TIE INTO  
THE R/R CROSSING AT THE R.O.W. LIMITS (TYPICALLY AT EXISTING HOT-MIX JOINT IF PRESENT.)

HOT-MIX OVERLAY NOTES\*

-----  
USE 76-22 (NC) TYPE C WARM-MIX FOR TRAVEL LANES, INTERSECTIONS AND INSIDE TURN LANES.  
USE 64-22 (C) TYPE C WARM-MIX FOR OUTSIDE TURN LANES AND SHOULDERS, SEE BELOW;  
. A. EASTBOUND SHOULDER FROM HMJ EAST OF CRANBURY RUN TO BRANDYWINE COURTS.  
. APPROX. 1800LF.  
. B. WESTBOUND SHOULDER FROM NEAR ENTRANCE AT COUNTRY CLUB APT'S TO HMJ EAST  
. OF CRANBURY RUN. APPROX. 2800LF.

THE REMOVAL OF EXISITING RAISED PAVEMENT MARKERS SHALL BE INCIDENTAL TO  
THE OVERLAY INCLUDING PLACING BACK COMPACTED HOT-MIX MATERIAL TO FILL THE  
EXPOSED VOID.

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CANTRACTOR MAY BE ALLOWED  
TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL  
COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

WHEN INSTALLING CONDUIT UNDER BRICK, CONTRACTOR SHALL REMOVE BRICK AND USE ITEM  
745544, REPLACING BRICK AFTERWARDS.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 5                      WALKER RD (K70) - (DOVER) FROM HMJ @ SAULSBURY/MCKEE RD (K156) TO  
NORTH STATE ST(K25)**

**LENGTH    1448.7144 m                      4753 L.F.                      AADT    11416**

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 5**

302005	GRADED AGGREGATE BASE COURSE, TYPE B	3.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	47.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	2,270.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	20.00 TON
406001	HOT-MIX PATCHING	800.00 SY-IN
701020	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1	20.00 L.F.
705001	P.C.C. SIDEWALK, 4"	80.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	340.00 S.F.
705008	CURB RAMP, TYPE 1	2,430.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,330.00 S.F.
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	20.00 EACH
732004	TOPSOIL (TON)	4.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	2.00 S.Y.
734017	TEMPORARY GRASS SEEDING, DRY GROUND	2.00 S.Y.
743003	ARROWPANELS, TYPE C	34.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	136.00 EA-DY
743007	** TRAFFIC OFFICERS	340.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	34.00 EA-DY
743051	 ** FLAGGER, KENT COUNTY, STATE	1,360.00 HOUR
743063	 ** FLAGGER, KENT COUNTY, STATE, OVERTIME	200.00 HOUR
744505	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	2.00 EACH
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	8.00 EACH
744523	CONDUIT JUNCTION WELL, TYPE 4, 20" X 42 1/2" PRECAST CONCRETE	2.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	900.00 L.F.
745529	SUPPLY OF 1 1/2" GALVANIZED STEEL CONDUIT	200.00 L.F.

**ADDENDUM No. 2 – Added Items - (10/18/11-SM)**

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 5                      WALKER RD (K70) - (DOVER) FROM HMJ @ SAULSBURY/MCKEE RD (K156) TO  
NORTH STATE ST(K25)**

**LENGTH      1448.7144 m                      4753 L.F.                      AADT      11416**

**GENERAL IMPROVEMENTS**

**HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.**

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 5**

745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	550.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	330.00 L.F.
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	1,700.00 L.F.
746776	LOOP DETECTOR SPLICE	17.00 EACH
746847	POLE BASE, TYPE 3	3.00 EACH
746850	POLE BASE, TYPE 4	12.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	3,150.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	23,800.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	6,300.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	60.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	11,900.00 L.F.
750000	ADJUST WATER VALVE BOXES	20.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	15.00 S.Y.
760507	PROFILE MILLING, HOT-MIX	39,911.00 SY-IN
762001	SAW CUTTING, HOT MIX	380.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	5.00 L.F.
763502	MAINTENANCE OF RAILROAD TRAFFIC	1.00 L.S.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

LOCATION 5 WALKER RD (K70) - (DOVER) FROM HMJ @ SAULSBURY/MCKEE RD (K156) TO  
NORTH STATE ST(K25)

COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES)  
 CASE NO. 2 (SHOUDLERS)  
CASE NO. 17-A (RAILROAD)



PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT  
BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

REMOVE EXISTING DEPRESSED CURB AND GUTTER ENTRANCE NEAR SAULSBURY RD ON THE NORTH  
SIDE OF ROADWAY AND REPLACE WITH UPRIGHT CURB AND GUTTER TO MATCH EXISTING.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF  
TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7.  
CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402,  
1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

M.O.R. NOTES

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NORFOLK SOUTHERN  
 2 PER DAY (FREIGHT) \*  
 2 PER NIGHT (FREIGHT) \*

\*NO PASSENGER SERVICE IS INVOLVED.

THE PAVEMENT AND REHABILITATION CONTRACT MILLING AND FINAL OVERLAY WILL TIE INTO  
THE R/R CROSSING AT THE R.O.W. LIMITS (TYPICALLY AT EXISTING HOT-MIX JOINT IF PRESENT.)

THE REMOVAL OF EXISITING RAISED PAVEMENT MARKERS SHALL BE INCIDENTAL TO  
THE OVERLAY INCLUDING PLACING BACK COMPACTED HOT-MIX MATERIAL TO FILL THE  
EXPOSED VOID.

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CANTRACTOR MAY BE ALLOWED  
TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL  
COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

WALKER RD @ SAULSBURY RD: EXTEND LANDING AREA TO PEDESTRIAN POLE BASE FOR NW AND SE  
CORNERS TO ELIMINATE GRASS STRIPS AND MAKE PUSHBUTTONS MORE ACCESSIBLE. THIS SHALL  
BE PAID UNDER SIDEWALK ITEM 705001 AND ASSOCIATED ITEMS.

TRAFFIC LOOPS AT:  
WALKER RD @ PEAR ST (DOVER HIGH SCHOOL)  
WALKER RD @ SILVER LAKE BLVD  
N. STATE STREET & GOVERNORS AVE

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 6**                      **EAST WATER ST(K72) - (DOVER) FROM HMJ WEST OF QUEEN ST TO HMJ EAST OF LEGISLATIVE AVE.**

**LENGTH**            701.04 m                      2300 L.F.                      **AADT**    5642

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 6**

401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	80.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	1,122.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	10.00 TON
406001	HOT-MIX PATCHING	1,400.00 SY-IN
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	140.00 S.F.
705008	CURB RAMP, TYPE 1	540.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	760.00 S.F.
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	4.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	23.00 EACH
743003	ARROWPANELS, TYPE C	12.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	50.00 EA-DY
743007	** TRAFFIC OFFICERS	124.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	12.00 EA-DY
743051	 ** FLAGGER, KENT COUNTY, STATE	620.00 HOUR
743063	 ** FLAGGER, KENT COUNTY, STATE, OVERTIME	90.00 HOUR
744505	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	4.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	50.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	30.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	10.00 L.F.
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	1,150.00 L.F.
746776	LOOP DETECTOR SPLICE	10.00 EACH
746830	REMOVAL OF CONCRETE POLE BASES AND CABINET FOUNDATIONS	1.00 C.Y.
746850	POLE BASE, TYPE 4	5.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	2,496.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	9,200.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	4,992.00 S.F.

**ADDENDUM No. 2 – Added Items - (10/18/11-SM)**

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

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**LOCATION 6**                    **EAST WATER ST(K72) - (DOVER) FROM HMJ WEST OF QUEEN ST TO HMJ EAST OF LEGISLATIVE AVE.**

LENGTH            701.04 m                    2300 L.F.            AADT    5642

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 6**

748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	4,600.00 L.F.
748554	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, PEDESTRIAN SYMBOL	1.00 EACH
750000	ADJUST WATER VALVE BOXES	17.00 EACH
760507	PROFILE MILLING, HOT-MIX	19,756.00 SY-IN
762001	SAW CUTTING, HOT MIX	630.00 L.F.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

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LOCATION 6 EAST WATER ST(K72) - (DOVER) FROM HMJ WEST OF QUEEN ST TO HMJ EAST OF LEGISLATIVE AVE.

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COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES).  
.□□ CASE NO. 2 (SHOUDLERS).

2

PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

□□□□

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

DO NOT MILL AND OVERLAY STATE ST., TIE INTO EXISTING HOT-MIX JOINTS.

DO NOT MILL AND OVERLAY GOVERNORS AVE, TIE INTO EXISTING NEW PAVEMENT HOT-MIX JOINTS.

TIE INTO NEW HOT-MIX JOINT FROM THE BUS DEPOT AT QUEEN ST.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7. CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402, 1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CONTRACTOR MAY BE ALLOWED TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

WHEN INSTALLING CONDUIT UNDER BRICK, CONTRACTOR SHALL REMOVE BRICK AND USE ITEM 745544, REPLACING BRICK AFTERWARDS.

REPLACEMENT AND/OR RESETTING OF EXISTING BRICK CURB RAMPS ARE INCIDENTAL TO ITEM 705009.

SIDEWALK SURFACE DETECTABLE WARNING SYSTEMS WHEN ON BRICK CURB RAMPS SHALL BE LIGHT IN COLOR.

TRAFFIC LOOPS AT:  
WATER ST @ QUEEN ST  
GOVERNORS AVE @ WATER ST  
STATE ST @ WATER ST

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 7 COLLEGE RD(K99) - (DOVER) FROM SAULSBURY/MCKEE RD(K156) TO US13,  
DUPONT HWY(K2)**

**LENGTH 2137.8672 m 7014 L.F. AADT 9689**

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING (CURBED AREA) AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 7**

211002	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	200.00 L.F.
401696	ENTRANCE, DRIVEWAY AND INTERSECTINGSTREET PAVING SURCHARGE	68.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	23.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	3,930.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	18.00 TON
406001	HOT-MIX PATCHING	400.00 SY-IN
602547	WATERPROOFING BRIDGE DECKS, SIDEWALKS ETC.	2,400.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	180.00 S.F.
705008	CURB RAMP, TYPE 1	450.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	2,470.00 S.F.
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	9.00 EACH
720573	ADJUSTING GUARDRAIL HEIGHT	560.00 L.F.
720585	GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	4.00 EACH
732004	TOPSOIL (TON)	193.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	2,340.00 S.Y.
734017	TEMPORARY GRASS SEEDING, DRY GROUND	2,340.00 S.Y.
743003	ARROWPANELS, TYPE C	23.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	23.00 EA-DY
743051	 ** FLAGGER, KENT COUNTY, STATE	900.00 HOUR
743063	 ** FLAGGER, KENT COUNTY, STATE, OVERTIME	130.00 HOUR
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	2.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	200.00 L.F.
745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	190.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	20.00 L.F.
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	590.00 L.F.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201206201**

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**CENTRAL  
MAINTENANCE**

**PAVEMENT & REHABILITATION, SOUTH I-I, 2012**

**LOCATION 7                      COLLEGE RD(K99) - (DOVER) FROM SAULSBURY/MCKEE RD(K156) TO US13,  
DUPONT HWY(K2)**

**LENGTH    2137.8672 m                      7014 L.F.                      AADT    9689**

**GENERAL IMPROVEMENTS**

HM PATCHING, 2" MILLING (CURBED AREA) AND 2" WARM-MIX TYPE C(76-22,NC) FULL WIDTH OVERLAY.

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 7**

746776	LOOP DETECTOR SPLICE	7.00 EACH
746850	POLE BASE, TYPE 4	3.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	2,554.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	45,135.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	2,557.00 S.F.
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	850.00 L.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	29,835.00 L.F.
748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	12.00 EACH
750000	ADJUST WATER VALVE BOXES	8.00 EACH
760507	PROFILE MILLING, HOT-MIX	36,000.00 SY-IN
761001	BUTT JOINTS, HOT MIX	600.00 S.Y.
762001	SAW CUTTING, HOT MIX	180.00 L.F.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206201

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CENTRAL  
MAINTENANCE

PAVEMENT & REHABILITATION, SOUTH I-I, 2012

LOCATION 7 COLLEGE RD(K99) - (DOVER) FROM SAULSBURY/MCKEE RD(K156) TO US13,  
DUPONT HWY(K2)

COMMENTS:

RECOMMENDED M.O.T. CASE NO. 6 (TRAVEL LANES)  
 CASE NO. 2 (SHOULDERS)  
CASE NO. 17-A (RAILROAD)

 PEDESTRIAN M.O.T: COMPLY WITH NOTE 8 IN THE GENERAL CONTRACT NOTES

NIGHTTIME WORK HOURS: 8:00P - 6:00A, SUNDAY NIGHT THROUGH FRIDAY MORNING

ANY WORK OR ACTIVITIES INCLUDING ADA REQUIREMENTS ASSOCIATED WORK THAT CANNOT  
BE COMPLETED DUE TO RIGHT-OF-WAY ISSUES WILL BE DELETED FROM THE CONTRACT.

2" MILLING FROM SAULSBURY/MCKEE RD TO END OF GUARDRAIL(EAST SIDE) OVER CULVERT.

ADJUST EXISTING GUARDRAIL HEIGHT AS DIRECTED BY THE FIELD ENGINEER.

ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE DEPARTMENT OF  
TRANSPORTATION AND BE DELIVERED TO THE MAGNOLIA YARD, AREA 7.  
CONTACT AND NOTIFY THE YARD SUPERVISOR, RON GRALESKI, PHONE NO. 697-4402,  
1 WEEK PRIOR TO DELIVERY.

DISTANCE TO YARD: APPROX. 7 MILES.

M.O.R. NOTES

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NORFOLK SOUTHERN  
2 PER DAY (FREIGHT)\*  
2 PER NIGHT (FREIGHT)\*

\*NO PASSENGER SERVICE IS INVOLVED.

THE PAVEMENT AND REHABILITATION CONTRACT MILLING AND FINAL OVERLAY WILL TIE INTO  
THE R/R CROSSING AT THE R.O.W. LIMITS (TYPICALLY AT EXISTING HOT-MIX JOINT IF PRESENT.)

CONTRACTOR WILL HAVE TO OBEY CITY OF DOVER NOISE ORDINANCE. CONTRACTOR MAY BE ALLOWED  
TO PERFORM SOME WORK DURING DAYTIME HOURS (IE JACKHAMMERING SIDEWALK). NO ADDITIONAL  
COMPENSATION WILL BE MADE FOR CHANGES DUE TO ORDINANCES.

TRAFFIC LOOPS AT:  
SAULSBURY RD @ COLLEGE RD  
US 13 @ COLLEGE RD

LOCATION 7 - COLLEGE ROAD GOES OVER BRIDGE 2-0069A AT FORK BRANCH. THIS BRIDGE  
IS A PRESTRESSED CONCRETE BEAM STRUCTURE WITH ASPHALT PLACED DIRECTLY ON BEAMS.  
TAKE CARE NOT TO DAMAGE BEAMS DURING MILLING OPERATION. REMOVE ALL HOT MIX FROM  
BRIDGE DECK AND PLACE A WATERPROOFING MEMBRANE (602547) PRIOR TO PLACING HOT-MIX  
OVERLAY.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT: T201206201**

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**CENTRAL PAVEMENT & REHABILITATION, SOUTH I-I, 2012  
MAINTENANCE**

**CONTRACT QUANTITIES SUMMARY SHEET**

211002	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	200.00 L.F.
212001	UNDERCUT EXCAVATION, PATCHING	6.00 C.Y.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	32.00 TON
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.00 C.Y.
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	939.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	1,934.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	281.00 TON 
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	25,272.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	214.00 TON
406001	HOT-MIX PATCHING	5,600.00 SY-IN
503001	PATCHING P.C.C. PAVEMENT, 6' TO 15', TYPE A	272.00 S.Y.
503006	DOWEL BARS	544.00 EACH
503503	** PATCHING CONCRETE	1,428.00 SY-IN
602547	WATERPROOFING BRIDGE DECKS, SIDEWALKS ETC.	2,400.00 S.F.
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1	180.00 L.F.
701020	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1	20.00 L.F.
705001	P.C.C. SIDEWALK, 4"	680.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	2,370.00 S.F.
705008	CURB RAMP, TYPE 1	10,260.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	27,550.00 S.F.
705010	CURB RAMP, TYPE 5	185.00 S.F.
705504	BRICK AND/OR BLOCK SIDEWALK	190.00 S.F. 
708500	REPLACING CATCH BASIN GRATES	15.00 EACH
708504	REPLACING CATCH BASIN FRAMES	15.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	41.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	161.00 EACH
720573	ADJUSTING GUARDRAIL HEIGHT	560.00 L.F.
720585	GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	4.00 EACH

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT: T201206201**

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**CENTRAL PAVEMENT & REHABILITATION, SOUTH I-I, 2012  
MAINTENANCE**

**CONTRACT QUANTITIES SUMMARY SHEET**

732004	TOPSOIL (TON)	418.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	5,189.00 S.Y.
734017	TEMPORARY GRASS SEEDING, DRY GROUND	5,189.00 S.Y.
743003	ARROWPANELS, TYPE C	226.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	98.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	816.00 EA-DY
743007	** TRAFFIC OFFICERS	2,038.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	226.00 EA-DY
743051	** FLAGGER, KENT COUNTY, STATE	11,006.00 HOUR 
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	1,638.00 HOUR 
744505	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	26.00 EACH
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	16.00 EACH
744523	CONDUIT JUNCTION WELL, TYPE 4, 20" X 42 1/2" PRECAST CONCRETE	2.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	2,280.00 L.F.
745529	SUPPLY OF 1 1/2" GALVANIZED STEEL CONDUIT	280.00 L.F.
745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	1,000.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	370.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	1,020.00 L.F.
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	16,590.00 L.F.
746776	LOOP DETECTOR SPLICE	184.00 EACH
746830	REMOVAL OF CONCRETE POLE BASES AND CABINET FOUNDATIONS	9.00 C.Y.
746847	POLE BASE, TYPE 3	5.00 EACH
746850	POLE BASE, TYPE 4	64.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	29,596.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	291,560.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	56,641.00 S.F.
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	1,650.00 L.F.
748502	RAISED/RECESSED PAVEMENT MARKER	303.00 EACH

**ADDENDUM No. 2 – Revised Qty's - (10/18/11-SM)**

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DELAWARE DEPARTMENT OF TRANSPORTATION

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CENTRAL PAVEMENT & REHABILITATION, SOUTH I-I, 2012  
MAINTENANCE

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CONTRACT QUANTITIES SUMMARY SHEET

748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	153,048.00 L.F.
748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	12.00 EACH
748554	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, PEDESTRIAN SYMBOL	11.00 EACH
750000	ADJUST WATER VALVE BOXES	125.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	97.00 S.Y. 
760507	PROFILE MILLING, HOT-MIX	428,985.00 SY-IN
761001	BUTT JOINTS, HOT MIX	600.00 S.Y.
762001	SAW CUTTING, HOT MIX	8,280.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	1,040.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763502	MAINTENANCE OF RAILROAD TRAFFIC	1.00 L.S.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

\*\* DENOTES FIXED PRICE ITEM