



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

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VIA OVERNIGHT DELIVERY

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August 24, 2011

Contract No. T201106205.01
PAVEMENT & REHABILITATION, SOUTH I-V, 2011
Kent County

Ladies and Gentlemen:

Enclosed is Addendum No. 3 for the referenced contract consisting of the following:

1. One (1) page, Special Provisions, 211523 - Removal of P.C.C. Barrier, page13, revised, to be substituted for the same pages in the Proposal.
2. Standard Specification, 701010 - Portland Cement Concrete Curb, Type 1, new, to be added to the Proposal.
3. One (1) page, Bid Proposal Forms, page 9, revised, to be substituted for the same page in the Proposal.
4. Six (6) sheets, Construction Plans, sheets 10, 23, 24, 38, 39, and 40, revised, to be substituted for the same sheets in the Plan Set.
5. For proposal holders with the electronic bid option only, Amendment Disk No. 1.

Questions and Answers:

1. At Location #1 and #4 what are we removing under Item 758000?

Location 1 - This item is for the removal of p.c.c. curb (per the traffic statement). However, the p.c.c. curb item 701010 is not in the location estimate. Item 701010 will be added per Addendum #3.

Location 4 - Item 758000 is for the removal of existing p.c.c. pavement. Reference Spec. under basis of payment.

2. At Location #1 what is item 302005 used for?

GABC item 302005 and quantity is for unimproved driveways and p.c.c. curb.

3. At Location #1 what is bid item 202000 used for?

This item is for the grading of slopes after pole bases have been placed.

4. Reference Note A on page 29 of 40. How will the excavation for the soils necessary to expose the existing footer be paid for? -

Addressed in Addendum #2.

5. Reference basis of payment for item 211523 on page 13 of the specs indicates the removal of median overhead sign foundation. There is nothing shown on the plan sheets 28, 29, 30, or 31 that addresses removal of sign foundation.

Addressed in Addendum #2.

6. What is the typical detain of items we are removing under item 406002 (i.e. depth of hot mix, concrete pavement)?

Typical existing pavement for hot-mix patching-(concrete) is 7-9 +/- inches hot-mix over 9+/- inches of p.c.c. pavement.

7. Does all barrier in this area get removed except for the barrier that is on the birdge itself which will be done as per detail on plan sheet 18?

Yes

8. Some of this barrier appears to be precast and appear no to have footer under it? Will a footer be required in those areas? Does DeIDOT know which areas do not have footers? If a footer is required how will it be paid for?

As far as we know, the entire wall is on the footer. The existing footer doesn't come out.

9. Will this work take place in both the east and west sides of northbound and southbound.

The wall work is on the East and West sides of South Bound Lanes only.

10. Does the contractor assume the width of the concrete footer that remains after the barrier is demolished under item 211523 is 2' wide?

The dimensions for the existing footer are on Sheet 22 of 40.

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

Sincerely,

A handwritten signature in black ink, reading "Scott S. Gottfried". The signature is written in a cursive style with a large initial "S" and a long horizontal stroke.

Scott S. Gottfried
Competitively Bid Contracts Coordinator
:ssg
Enclosures

211523 – REMOVAL OF P.C.C. BARRIER

Description:

This work consists of the removal and acceptable disposal of existing P.C.C. barrier and all necessary excavation required to expose the existing footing for the completion of new construction in accordance with the notes and details on the Plans and as directed by the Engineer, except such barrier that is designated to remain or is to be removed in accordance with other pay items.

Construction Methods:

Extreme care shall be used during the removal of existing P.C.C. barrier to avoid damage to drainage pipes, and surrounding pavement that is to remain in place. Care shall also be exercised by the Contractor in the operation to ensure that no damage occurs to any existing buried, surface, or aerial utility. The broken P.C.C. barrier shall become the property of the Contractor and shall be removed from the Project or otherwise disposed of as specified in Standard Specification Subsection 106.09.

Method of Measurement:

The quantity of P.C.C. barrier removed will be measured by the linear feet (linear meters) of existing P.C.C. barrier removed.

Basis of Payment:

The quantity of P.C.C. barrier removed will be paid for at the Contract unit price per linear foot (linear meter). Price and payment shall include full compensation for the removal and disposal of the existing P.C.C. barrier, and for all labor, equipment, tools, and all necessary incidentals required to complete the work.

8/19/11

DELAWARE DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF ITEMS

PAGE: 9
 DATE:

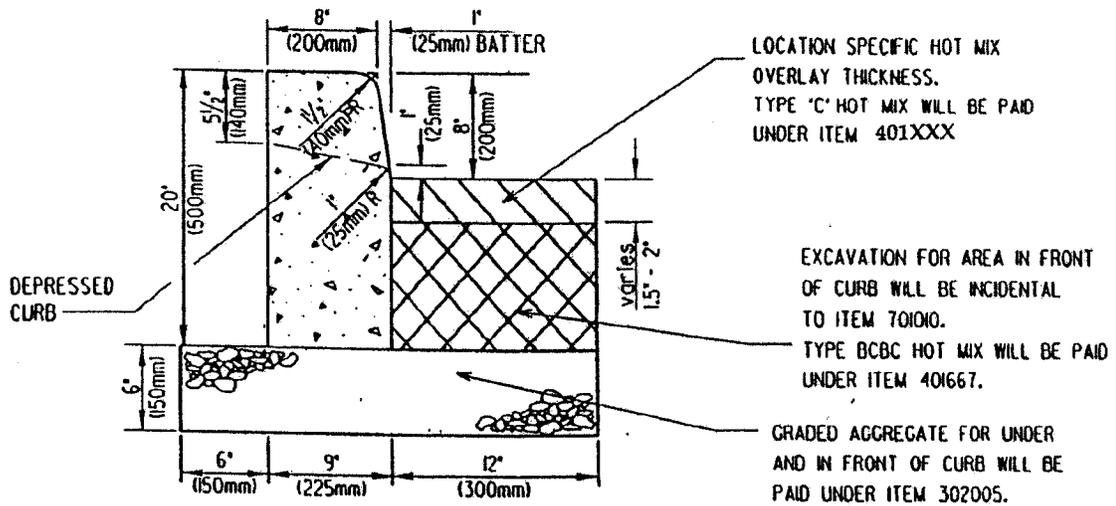
CONTRACT ID: T201106205.01 PROJECT(S): T201106205

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	763509 CPM SCHEDULE UPDATES AND/OR REVISED UPDATES	2.000 EAMO				
0780	763621 CONSTRUCTION ENGINEERING, RE-SURFACING	LUMP	LUMP			
0790	763643 MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	LUMP			
0791	701010 PORTLAND CEMENT CONCRETE CURB, TYPE 1	70.000 LF				
	SECTION 0001 TOTAL					
	TOTAL BID					

DETAILS SHEET



P.C.C. CURB TYPE I
N.T.S.

DELAWARE DEPARTMENT OF TRANSPORTATION

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**CENTRAL
MAINTENANCE**

PAVEMENT & REHABILITATION, SOUTH I-V, 2011

**LOCATION 1 US13, NORTH DUPONT BLVD - (K1) (SMYRNA) N.B. & S.B FROM SMYRNA-LEIPSIC
RD(K12) TO DUCK CREEK BRIDGE**

LENGTH 4511.04 m 14800 L.F. AADT 22594

GENERAL IMPROVEMENTS

HM PATCHING, 2" MILLING AND 2" WARM-MIX OVERLAY.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

202000	EXCAVATION AND EMBANKMENT	8.00 C.Y.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	65.00 TON
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	1.00 C.Y.
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	210.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	3,000.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	5.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	4,485.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	64.00 TON
406001	HOT-MIX PATCHING	90.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	2,650.00 L.F.
△ 701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1	70.00 L.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	140.00 S.F.
705008	CURB RAMP, TYPE 1	180.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	2,090.00 S.F.
708500	REPLACING CATCH BASIN GRATES	1.00 EACH
708504	REPLACING CATCH BASIN FRAMES	1.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	6.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	25.00 EACH
720573	ADJUSTING GUARDRAIL HEIGHT	1,400.00 L.F.
732004	TOPSOIL (TON)	407.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	4,933.00 S.Y.
743003	ARROWPANELS, TYPE C	24.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	95.00 EA-DY
743007	** TRAFFIC OFFICERS	237.00 HOUR
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	24.00 EA-DY
743051	** FLAGGER, KENT COUNTY, STATE	1,184.00 HOUR

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RD(K12) TO DUCK CREEK BRIDGE**

LENGTH 4511.04 m 14800 L.F. AADT 22594

GENERAL IMPROVEMENTS

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COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	178.00 HOUR
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	1.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	130.00 L.F.
745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	63.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	50.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	17.00 L.F.
746776	LOOP DETECTOR SPLICE	16.00 EACH
746850	POLE BASE, TYPE 4	2.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	924.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	82,000.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	1,848.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	185.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	40,700.00 L.F.
748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	12.00 EACH
750000	ADJUST WATER VALVE BOXES	2.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	8.00 S.Y.
760507	PROFILE MILLING, HOT-MIX	128,160.00 SY-IN
760511	BIKE-FRIENDLY RUMBLE STRIPS, HOT-MIX	29,600.00 L.F.
762001	SAW CUTTING, HOT MIX	1,900.00 L.F.
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.

**** DENOTES FIXED PRICE ITEM**

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CENTRAL PAVEMENT & REHABILITATION, SOUTH I-V, 2011
MAINTENANCE

CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	8.00 C.Y.
209001	BORROW, TYPE A	20.00 C.Y.
211523	REMOVAL OF P.C.C. BARRIER	610.00 L.F.
212001	UNDERCUT EXCAVATION, PATCHING	4.00 C.Y.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	100.00 TON
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	37.00 C.Y.
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	825.00 TON
401801	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	15,408.00 TON
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	207.00 TON
401827	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON- CARBONATE STONE)	30.00 TON
401833	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22, (NON- CARBONATE STONE)	24,106.00 TON
402000	HOT-MIX BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	64.00 TON
406001	HOT-MIX PATCHING	1,735.00 SY-IN
406002	HOT-MIX PATCHING, CONCRETE	4,480.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	2,650.00 L.F.
602017	PORTLAND CEMENT CONCRETE MASONRY, PARAPET, CLASS A	4.00 C.Y.
602579	DRILLING HOLES AND INSTALLING DOWELS	120.00 EACH
602586	REHABILITATION OF CONCRETE STRUCTURE	100.00 C.F.
602646	SILICONE ACRYLIC CONCRETE SEALER	5,127.00 S.F.
603000	BAR REINFORCEMENT	960.00 LB
△ 701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1	70.00 L.F.
705002	P.C.C. SIDEWALK, 6"	63.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	140.00 S.F.
705008	CURB RAMP, TYPE 1	180.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	2,090.00 S.F.
708500	REPLACING CATCH BASIN GRATES	10.00 EACH
708504	REPLACING CATCH BASIN FRAMES	10.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	19.00 EACH

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**CENTRAL PAVEMENT & REHABILITATION, SOUTH I-V, 2011
MAINTENANCE**

CONTRACT QUANTITIES SUMMARY SHEET

710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	57.00 EACH
712005	RIPRAP, R-4	35.00 S.Y.
720544	REFLECTORS, WHITE, CONCRETE	15.00 EACH
720567	FURNISH AND MAINTAIN PORTABLE P.C.C. SAFETY BARRIER	800.00 L.F.
720573	ADJUSTING GUARDRAIL HEIGHT	3,550.00 L.F.
720587	P.C.C. SAFETY BARRIER PERMANENT, DOUBLE FACE, MODIFIED	610.00 L.F.
725001	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	1.00 EACH
732000	TOPSOIL, 4" DEPTH	35.00 S.Y.
732004	TOPSOIL (TON)	1,934.00 TON
734013	PERMANENT GRASS SEEDING, DRY GROUND	23,468.00 S.Y.
734015	PERMANENT GRASS SEEDING, WET GROUND	20.00 S.Y.
735533	SOIL RETENTION BLANKET MULCH, TYPE 3	35.00 S.Y.
743003	ARROWPANELS, TYPE C	149.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	96.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	355.00 EA-DY
743006	PLASTIC DRUMS	1,400.00 EA-DY
743007	** TRAFFIC OFFICERS	948.00 HOUR
743008	REFLECTOR PANELS	18.00 EACH
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	139.00 EA-DY
743051	** FLAGGER, KENT COUNTY, STATE	4,760.00 HOUR
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	767.00 HOUR
743504	WARNING SIGNS	6.00 EACH
743525	TEMPORARY WARNING SIGNS	400.00 EA-DY
744520	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	1.00 EACH
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	130.00 L.F.
745542	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-DIRECTIONAL BORE	63.00 L.F.
745543	INSTALLATION OF CONDUIT UNDER EXISTING PAVEMENT-OPEN CUT	50.00 L.F.
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	17.00 L.F.

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CENTRAL PAVEMENT & REHABILITATION, SOUTH I-V, 2011
MAINTENANCE

CONTRACT QUANTITIES SUMMARY SHEET

746776	LOOP DETECTOR SPLICE	48.00 EACH
746850	POLE BASE, TYPE 4	2.00 EACH
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	5,293.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	220,750.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	6,217.00 S.F.
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	570.00 L.F.
748502	RAISED/RECESSED PAVEMENT MARKER	880.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	179,450.00 L.F.
748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	42.00 EACH
750000	ADJUST WATER VALVE BOXES	8.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	175.00 S.Y.
760502	PAVEMENT MILLING, TAPER CUT	8,506.00 SY-IN
760507	PROFILE MILLING, HOT-MIX	162,860.00 SY-IN
760511	BIKE-FRIENDLY RUMBLE STRIPS, HOT-MIX	140,600.00 L.F.
761001	BUTT JOINTS, HOT MIX	5,428.00 S.Y.
762001	SAW CUTTING, HOT MIX	7,210.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	620.00 L.F.
762003	SAW CUTTING, CONCRETE, VARIABLE DEPTH	500.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763501	CONSTRUCTION ENGINEERING	1.00 L.S.
763508	PROJECT CONTROL SYSTEM DEVELOPMENT PLAN	1.00 L.S.
763509	CPM SCHEDULE UPDATES AND/OR REVISED UPDATES	2.00 EA-MO
763621	CONSTRUCTION ENGINEERING, RE-SURFACING	1.00 L.S.
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

** DENOTES FIXED PRICE ITEM