



STATE OF DELAWARE  
DEPARTMENT OF TRANSPORTATION  
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**VIA OVERNIGHT DELIVERY**

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December 13, 2012

Contract No. T201230008.01  
Federal Aid Project No. CMAQ-2012(28)  
OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX  
COUNTIES

Ladies and Gentlemen:

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

1. One (1) page, Pre-Bid Questions and Answers, new, to be added to the Proposal.
2. Five (5) pages, Questions and Answers, new, to be added to the Proposal.
3. Two (2) pages, Table of Contents, pages v and vi , revised, to be substituted for the same pages in the Proposal.
4. One (1) page, Training Special Provisions, page 8, revised, to be substituted for the same page in the Proposal. (The new training requirement is now **ZERO (0).**)
5. Two (2) pages, Federal Davis Bacon Wages Rates for Sussex County, pages 32A and 32B, new, to be added to the Proposal.

6. Standard Items have been deleted:

612023  
617005  
701016  
701031  
720052  
746829

7. Quantities have been revised for the following items:  
302007  
701010  
701011  
708512  
743552
8. Standard Items have been added:  
720051  
743051  
743063  
612033  
720050  
726001
9. The following Special Provision item was added:  
749584
10. Two (2) pages, Special Provisions, 602615 - Modular Block Retaining Wall, pages 74 through 75, **DELETED**, to be removed from the Proposal and substituted with the enclosed sequencing pages.
11. One (1) page, Special Provision, 705522 - PCC Sidewalk, Special, page 85A, new, to be added to the Proposal.
12. Sixteen (16) pages, Bid Proposal Forms, pages 1 through 16, revised, to be substituted for the same pages in the Proposal.
13. Twenty three (23) sheets, Construction Plans, sheets 1 through 23, revised, to be substituted for the same sheets in the Plan Set.
14. 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,



Scott S. Gottfried  
Competitively Bid Contracts Coordinator  
:ssg  
Enclosures

**Pre-Bid Questions and Answers**  
**T201230008.01**  
**Open-End Construction Services, Statewide Trails, Kent & Sussex County**

**Junction & Breakwater Trail**

1. What is the area for the clearing and grubbing item?

**Item 201000 - Clearing and Grubbing:**

Between 203+50 to 208+50 at 7.5' wide = approximately 3750sf

Between 211+50 to 213+00 at 7.5' wide = approximately 1125sf

Between 213+25 to 214+00 at 15' wide = approximately 1125sf

Between 234+50 to 236+50 at 20' wide = approximately 4000sf

Between 239+25 to 242+00 at 20' wide = approximately 5500sf

Between 271+75 to 273+00 at 20' wide = approximately 2500sf

Total area = approximately 18,000sf

Approximate number of trees removed = 15

2. The length of section where the work zone will be only 15' along the Breakwater subdivision is approximately 1,350' long. Distance is confirmed
3. The DRBA contact is Dave Hoppenjans (302) 571-6439.
4. The summer restrictions for lane closures on Freeman Highway are as follows between May 1st through September 30th. No Lane closures from Friday 9:00am through Monday 11:00am unless prior approval is granted by DRBA.
5. What is included in **Item 211000 – Removal of Structures and Obstructions?**

The removal of fencing and the concrete that holds the fence posts are included in this item.

There is two locations with the total length of fencing to be removed being approximately 91'

6. There is a new item for this project - **705522 - PCC Sidewalk, Special**. Estimated Quantity is 4785 SF.
7. In the residential areas how late can the contractor work. Working hours are 9am to 5pm. Adjustments to these working hours can be submitted by the contractor and reviewed on a case by case basis.



Delaware Department of Transportation

**QUESTIONS AND ANSWERS**

**T201230008.01**

**OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX COUNTIES**

**Thursday, December 13, 2012**

Q #	Question	Answer
37	The breakout sheet for Item 763510 Site Furnishings indicates 16 each – Concrete Light Poles and Fixtures to be relocated. The special provision for 763510 refers the bidder to “Special Provision #746509 for Installation”. Please clarify what will be paid under 746509 and what will be paid under 763510 with regards to light pole relocation, specifically the concrete light poles & fixtures shown on the breakout sheet for item 763510.	Installation will be paid under Special Provision 746509 and purchase of the product will be paid under Item 763510.
36	The plan sections indicate the #57 stone under the pervious pavement (401574) will be paid under Item 302012 #57 Stone. The Special Provision for Item 401574 Pervious Pavement indicates the #57 stone is incidental to item 401574. Under which item will the #57 stone be paid?	Per the special provision for item 401574, Delaware #57 stone is incidental to this item. There are other locations within the project limits of location 1 where item 302012 will be used.
35	Please be advised that upon reviewing the specifications for the above contract - the specifications jump from Item # 746653 Electrical Testing to Item # 746852 Pole Base, Type 6. There is a section missing for Item # 746829 Decorative Light Standard, Single. The page numbers in the specification book are numbered correctly but the entire spec for Item # 746829 is missing.	Item 746829 has been removed as part of addendum 2. Item 749584 has been added as part of addendum 2.
34	Item 763510 – there is no description or details of the site furnishing.	A breakout sheet is provided in the bid proposal. Descriptions are provided in the special provision.
33	There is no detail for Item 727510 and the plan only shows wood fence on one side of the trail, the quantity is enough to do both sides.	An example and style of the proposed wood fence can be found along Gills Neck Road. The typical sections are for informational purposes only and the bid should be based on the advertised quantity.
32	Typical Section calls for special sidewalk and curb to be paid for as Item 705522. There is no Item 705522 in the proposal.	This item was added as part of addendum 2.

Q #	Question	Answer
31	There should be a detail for Item 602615 Modular Block Retaining Wall.	This item was deleted as part of addendum 2.
30	Item 302011 calls for 2,663cy of 57 using the Typical Sections. I only come up with 1,400cy.	Correct Item Number is 302012 and the unit of measurement is in Tons. Plan Sheet #14 has been adjusted to reflect this change. The typical sections are for informational purposes only and the bid should be based on the advertised quantity of 2,663 Tons.
29	Where are you going to need 6,000 cubic yards of F Borrow on the project?	Borrow will be used to fill existing voids and drainage swales that the path crosses over and to create ADA complaint grades and side slopes throughout the proposed project limits.
28	There is a note on the Typical Sections that says subgrade is to be tested & unsuitable material removed and replaced with approved material. There is no 21200 Item for unsuitable material.	The preparation of the subgrade will be per DelDOT Standards Specifications Section 202000. For this location it is assumed 212000 will not be required.
27	Item 202000 calls for 11,800cy of Excavation. Using Typical Sections. I only come up with less that 5,000cy.	The Typical Sections are for informational purposes only and show the general pavement section along the proposed path alignment. There are topography changes that will require additional Excavation and Embankment throughout the project limits. There are also locations outside of the footprint of the path where the existing drainage swales/slopes will need to be cut to accommodate the design.
26	On the Breakout Sheet #2 for Item 737523, planting, there are no sizes for some of the plants on the schedule. Where does the contractor find the size of all plants	The planting size (caliper) for Location#1-Junction & Breakwater Pathway, Showfield Extension will be 1" to 2" in size. The planting size (caliper) for Location#2- Garfield Parkway Streetscape Improvements will be provided in the plans as Addendum 2.
25	Need details on Item 718512, Trench Drain 8" Wide	detail provided in Garfield Parkway Plans
24	We need the detail for item 705511, unit paver Ty B.	detail provided in Garfield Parkway Plans
23	The footage of new storm sewer piping installed is 2784 LF so why is the quantity for bid item 612529 3176 LF? If we are video inspecting existing pipes we need to know the diameter and where they are located.	Quantity listed in the bid proposal is correct.

Q #	Question	Answer
22	For all storm sewer piping and inlets and manholes, the deciding factor for installation is the depth of installation. Where do I find the depths of the storm sewer piping installation as well as the depth of drainage structures? Normal DeIDOT specs indicate that the contractor is not paid Item 208000 and 210000 for any pipe under 24" in diameter. Is that the case on this project and if so the depth of installation is critical, or since the depth is not given will the contractor be paid item 208000 and 210000 for all pipe installations?	Pipe information can be found on the Garfield Parkway plans that will be provided to the contractors.
21	For Item 401574 Pervious Bit Asphalt Pavement what is the spec on the Geotextile Fabric Required?	Section D under Auxiliary Material specifies requirements.
20	Where is the detail for Bid Item 602615 Modular Block Wall found?	Item is being removed from the contract.
19	With the amount of info that is lacking on this project we are requesting that the Bid due date be delayed.	We do not anticipate delaying this contract opening
18	More info is needed on Item 763510 for Ped/Bicycle Counter. Also need details of bid items 10, 11, 12, and 13 on the breakout sheet. I would assume this is remove and relocate so we need details of the relocation.	Ped/Bicycle counter information provided under special provision (page 180 of the bid proposal). Descriptions of items 10, 11, 12 and 13 of the breakout sheets will be provided in the Garfield Parkway plans. It is the intent of the project to have the contractor remove the existing item, store the item and when ready install the same item in the new location as specified on the construction plans.
17	Where are the details for the following items found: a. 705528 Temporary Curb Ramps b. 708512 Drainage Inlet Special I c. 708513 Drainage Inlet Special II d. 727015 Wood Rail Fence e. 741504 Granite Cobble Tree Well f. 743552 Pedestrian Channelizing Barricade g. 746586 Relocate Sign	a. detail included in Garfield Parkway Plans b.detail included in Garfield Parkway Plans c.detail included in Garfield Parkway Plans d.detail of item included in specification manual. It is the intent of this project to match the split rail fence installed along Gills Neck Road e.detail included in Garfield Parkway Plans f.detail included in Garfield Parkway Plans g.detail included in Garfield Parkway Plans

Q #	Question	Answer
16	Both Loc #1 and Loc #2 have item 737523, Planting on them. There is only 1 Breakout Sheet for both locations. Can you tell the Contractors which plants go to which location?	Location#1-Junction & Breakwater Pathway, Showfield Extension 31 EACH Juniperus Virginiana, Eastern Red Cedar, B&B 13 EACH Crataegus Viridis, Winter King Hawthorn, B&B 30 EACH Viburnum Dentatum, Arrowwood Viburnum, 36" Cont. 25 EACH Ilex Glabra 'Compacta', Dwarf inkberry, 24" Cont. 25 EACH Itea Virginica, Virginia Sweetspire 1 M/GAL Water Location#2- Garfield Parkway Streetscape Improvements 18 EACH Zelkova serrata 'Green Vase', 2 1/2" Cal., B&B
15	Why is there no flagger rate for Kent if work is in both counties?	Kent County Flagger rates have been added to the proposal.
14	Why is bid item 302007 the only bid item where the total on the location plans for location 1 thru 4 does not equal the bid proposal total (4421 CY versus 3975 CY)	The proposal has been changed to reflect a quantity of 4421 CY.
13	Bid item 743552 on page 19 of the plans indicates 140000 LF/DY while bid item on the proposal is 140 LF/DY so which is correct?	Quantity should be 140,000 LF/DY.
12	Where is the detail for bid item 741504 found?	Detail provided in Garfield Parkway plans.
11	Where is the detail for bid item 718512 found?	Detail provided in Garfield Parkway plans.
10	What work is being done at location #3 shown on page 22 of the plans? It appears that this is only striping work.	Signing and striping modifications are included in Addendum 2.
9	Where is the scope of work for locations #1 thru #4 that is shown on plan sheet 13 thru 23 in the plans?	Explanation and scope of each location was provided as part of the pre-bid meeting
8	Is there a map available showing the locations #1 thru #4 shown on pages 13 thru 23 of the plans?	Project displays and renders were provided as part of the pre-bid meeting. These information and the explanation provided by the project engineer gives project location information.
7	Since this is an open end contract how does the contractor determine what costs will be required to conform to the requirements of note 19 on plan sheet 12?	This note should only apply to site 4. The MOT items for this site are currently not included in the contract and will be negotiated at a later time.

Q #	Question	Answer
6	Ref note 14 on plan sheet 11 says payment for portable light plants will be paid under item 746591. There is no item 746591 in the proposal.	Portable light assemblies will only be required for night time work. We do not anticipate any night time work on this contract.
5	Since this is an open end contract how does the contractor determine where note 24 on plan sheet 9 of the plans will apply?	This note should only apply to site 4 along Killens Pond Road.
4	If this is an open end contract, how does the contractor determine what monies he should include in this bid to comply with note 15 on page 7 of the plans?	The information provided as part of the pre-bid meeting gives a good indication as to what to expect on each project.
3	Are the locations shown on pages 13 thru 23 the only work locations we will be doing?	Presently they are the only projects included in the contract. As other project plans are completed they will be added to the contract. DeIDOT does not guarantee any additional projects being added to the contract.
2	Front page of plans for this project indicate both Kent and Sussex County as well as page 2 and 3 of the plans however page i of the specs indicates only Kent County work. Specific site locations on page 13 thru 23 all indicate Sussex County work. Please clarify which wage rates will be required and is any work in Kent County? Most flagger rates are shown as Sussex County.	Wage rates for both Kent and Sussex County are included in Addendum 2.
1	Upon review of the specifications for this project, I have some questions regarding the wage determination. Page 32 is the State of DE Highway Construction Prevailing Wages dated 03/15/12. Page 33 appears to be the Davis –Bacon Prevailing Wages sheet with rates and no fringes that equals only the Kent County prevailing rates (and is specified as Kent County). There is not a page like it for Sussex County.	The Davis-Bacon Prevailing Wage sheet for Sussex County was mistakenly left out of the proposal. The sheet, General Decision Number: DE120015 07/27/2012 DE15 Publication Date of 07/27/2012, will be included via addendum. Note the rates on the Davis-Bacon Prevailing Wage sheet for Sussex County match the Delaware Prevailing wage rates for Sussex County.



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n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontractors from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female work force participating, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is under utilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Order of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment-related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community

other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

\* \* \* \* \*

### TRAINING SPECIAL PROVISIONS

This Training Special Provision supersedes subparagraph 7b of the Special Provision entitled "Specific Equal Employment Opportunity Responsibilities", (Attachment 1), and is in implementation of 23 U.S.C. 140(a).

As part of the contractor's equal employment opportunity affirmative action program, training shall be provided as follows:

The contractor shall provide on-the-job training aimed at developing full journeyman in the type of trade or job classification involved. The number of trainees to be trained under the special provision will be 0. In the event the contractor subcontracts a portion of the contract work, he shall determine how many, if any, of the trainees are to be trained by the subcontractor, provided however, that the contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The contractor shall also insure that this Training Special Provision is made applicable to such subcontract. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year apprenticeship or training.

The number of trainees shall be distributed among the work classification on the basis of the contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment. Prior to commencing construction, the contractor shall submit to the Department of Highways and Transportation for approval the number of trainees to be trained in each selected classification and training program to be used. Furthermore, the contractor shall specify the starting time for training in each of the classifications. The contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and will be reimbursed for such trainees as provided hereinafter.

Training and upgrading of minorities and women toward journeyman status is a primary objective of this Training Special Provision. Accordingly, the contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority and women trainees) to the extent that such persons are available within a reasonable area of recruitment. The contractor will be responsible for demonstrating the steps that he has taken in pursuance thereof, prior to a determination as to whether the contractor is in compliance with this Training Special Provision. This training commitment is not intended, and not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which he has successfully completed a training course leading to journeyman status or in which he has been employed as a journeyman. The contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used the contractor's records should document the findings in each case.

The minimum length and type of training for each classification will be as established in the training program selected by the contractor and approved by the Department of Highways and Transportation and the Federal Highway Administration. The Department of Highways and Transportation and the Federal Highway Administration shall approve a program if it is reasonably calculated to meet the equal employment opportunity obligations of the contractor and to qualify the average trainee for journeyman status in the classification concerned by the end of the training period. Furthermore, apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved but not necessarily sponsored by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training shall also be considered acceptable provided it is being administered in a manner consistent with the equal employment obligations of Federal-aid highway construction contracts. Approval or acceptance of a training program shall be obtained from the State prior to commencing work the classification covered by the program. It is the intention of these provisions that the training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Training in the laborer classification may be permitted provided that significant and meaningful training is provided and approved by the division office. Some off-site training is permissible as long as the training

**FEDERAL DAVIS-BACON WAGE RATES 07/27/2012 DE125**

Superseded General Decision Number: DE20100012

STATE: Delaware

Construction Type: Highway

COUNTY: Sussex County in Delaware

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels; building structures in rest area projects, and railroad construction; bascule, suspension and spandrel arch bridges; bridges designed for commercial navigation; bridges involving marine construction; other major bridges).

Modification Number Publication Date

0 07/27/2012

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SUDE2010-003 03/15/2011

	Rates	Fringes
Bricklayer	14.51	
Carpenter	39.22	
Cement Mason/Concrete Finisher	23.29	
<b>ELECTRICIAN</b>		
Electrician	59.10	
Line Worker	21.25	
Ironworker	25.35	
Laborer	29.03	
Millwright	13.49	
Operator: Piledriver	26.95	
Painter	56.07	
Power Equipment Operator	26.43	
Sheet Metal Worker	18.40	
Truck Driver	22.15	

-----  
WELDERS: Receive rate prescribed for craft performing operation to which welding is incidental.  
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

**Union Identifiers**

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for the classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicated the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Way Determination on the date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U. S. Department of Labor  
200 Constitution Avenue, N. W.  
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

of the source property standards test results for the individual aggregates in the design aggregate structure, target value of the asphalt binder content, and a table of  $G_{mm}$  of the asphalt mixture for the four trial asphalt binder contents determined according to T209.

The JMF shall also include the NCAT Ignition Oven calibration for the specific materials utilized for this mix.

**Construction:**

**Production Plants.** The contractor shall modify and/or operate their production plant as required by the manufacturer to introduce the WMA technology.

**Weather Limitations.** Place mix only on dry, unfrozen surfaces.

The minimum ambient temperature shall be 32 degrees F.

The following table of ambient temperatures for various binder grades and lift thicknesses for placement with the following parameters:

- Minimum surface temperature of 32 degrees F
- Maximum production temperature of 275 degrees F
- Maximum wind speed of 8 miles per hour

Lift Thickness (in)	PG Binder		
	76-22	70-22	64-22
1.50	50F	45F	40F
2.00	40F	38F	35F
3.00	32F	32F	32F

Construction outside of these conditions will be at the discretion of the Engineer.

**Compaction:**

Compaction shall be tested and paid per Item 401699 - Quality Control/Quality Assurance of Bituminous Concrete .05 (b) Pavement Construction - Tests and Evaluations.

**Method of Measurement and Basis of Payment:**

Method of Measurement and Basis of Payment will be in accordance with Subsections 401.14 and 401.15 of the Standard Specifications.

The item 401699, will define adjustment factor to be applied to the bituminous concrete payments for bonus or penalty.

9/6/11

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**612529 - PIPE VIDEO INSPECTION**

**Description:**

This work consists of the video inspection of the storm drain systems, and/or sanitary sewer systems (all pipe sizes included) in accordance with these Specifications, and the details and locations shown on the Plans and by the Engineer.

**Construction Methods:**

The entire system(s) involved shall be numbered and then inspected by means of a closed-circuit television. The inspection will be done one section at a time in the presence of the Department's inspector. This work shall not be performed until just prior to the placement of the final pavement surface in case repairs need to be done. But, shall be done no sooner than thirty days from the date of pipe placement. The contractor shall correct any deficiencies in the existing and newly constructed pipe run at their expense.

The television camera used for the inspection shall be specifically designed and constructed for such inspection, capable of producing color video. Lighting for the camera shall be suitable to allow a clear picture of the entire periphery of the pipe. The camera shall be operative in 100% humidity conditions. The camera shall be equipped with Pan and Tilt, capable of scanning 360 to view the entire joint. The camera, television monitor, and other components of the video system shall be capable of producing quality to the satisfaction of the Department. If unsatisfactory, the equipment shall be removed and replaced.

The condition of the entire pipe run shall be documented by moving the camera through the pipe in either direction. At each joint the camera shall stop and pan the entire circumference of the joint. Between joints, the camera shall move at a nominal speed of 10 to 15 feet (3 to 4.5 m) per minute never exceeding 30 feet (9 m) per minute. Manual winches, power winches, television cable and power rewinds or other devices shall not obstruct the camera view or interfere with proper documentation of the pipe condition.

The technician operating the camera shall be experienced and qualified in conducting video pipe inspections. The technician shall have the capability of controlling the movement of the television camera, adjusting the brightness of the built-in lighting system and focusing the television camera by remote control. The importance of accurate distance measurements is emphasized. A distance meter and location indicator shall appear on the monitor and video indicating the exact location of the camera in the pipe between (2) structures.

The view scanned by the television camera shall be transmitted to a color monitor of not less than 12 in. (300 mm), measured diagonally across the screen. The monitor shall be located such that the State inspector has full visual access.

**Documentation:**

Television Inspection Logs: Typed reports shall be submitted to the Department for each location clearly showing the relation to the video meter at each problem point observed during inspection. In addition, other points of significance such as locations of catch basins, junction boxes, manholes, open joints, areas of settlement, misaligned pipe, unplugged lift holes, unusual conditions such as a change of pipe size or type within a run, roots, laterals, storm sewer connections, broken or spalled pipe, presence of scale or corrosion and other discernible features shall be recorded and a copy of such records shall be supplied to the Department.

For the purposes of documentation of a storm drain system, the following criteria shall be used to determine if a joint shall be considered an open joint:

ALL PIPE TYPES	MAXIMUM JOINT OPENING ALLOWED
12-36" (300 - 900 mm) ROUND	0.75" (19 mm)
42" (1050 mm) & LARGER	1.25" (32 mm)
ALL ELLIPTICAL	1.50" (38 mm)

Contract No. T201230008.01

materials, labor, tools, equipment and incidentals necessary to complete the work.

8/21/12

**705522 – PCC SIDEWALK, SPECIAL****Description:**

This work consists of constructing Reinforced Portland Cement Concrete Sidewalk, adjoining curb, toe-wall, and safety railing on a prepared foundation as shown on the plans and as directed by the Engineer.

**Materials:**

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

Bar Reinforcement – Bar Reinforcement shall conform to the requirements of Subsection 824.01.

Preformed Expansion Joint Material – Preformed Expansion Joint Material shall conform to the requirements of Subsection 808.06.

Curing Material – Curing materials shall conform to the requirements of Subsection 812.02(i).

Railing Materials – The handrail post and rails shall be of 1 ½ inch round, schedule 40 steel pipe. All burrs to be ground off to provide a smooth finish. Steel shall be galvanized, per AASHTO M111-94 (or current), ASTM A-123.

The round railing shall conform to AASHTO designation M 281.

**Construction Methods:**

The work shall be done in accordance with Section 705 of the Standard Specifications for Road and Bridge Construction, latest edition at the time of advertisement. Forms required to support the curb, sidewalk, and/or toe-wall shall meet the requirements of Section 701.07. The final surface of the sidewalk shall be finished with a stiff bristle broom drawn in the transverse direction.

Install rails plumb as shown on the Plans. Steel railing and incidental parts shall be carefully handled and stored on blocking, racks, or platforms to prohibit contact with ground and shall be protected from corrosion or damage. Materials shall be kept free from dirt, oil, grease, and other foreign matter. Damaged material shall be repaired or replaced as directed by the Engineer at the Contractor's Expense.

Shop Drawings: Contractor shall submit shop drawings to the Engineer for approval prior to installation. Shop drawings shall include details for style, finish, assembly, mounting and installation.

**Method of Measurement:**

The quantity of Portland Cement Concrete Sidewalk, Special will be measured by the square foot, horizontal projection, including the surface of the sidewalk and top of curb placed and accepted. The vertical face of curb, back of curb, and all faces of the toe-wall will not be measured.

**Basis of Payment:**

The quantity of Portland Cement Concrete Sidewalk, Special will be paid for at the Contract unit price per square foot. Price and payment will constitute full compensation for furnishing, hauling, and placing all materials including the bar reinforcement, concrete, railing, railing expansion joint, end caps, rail connection fittings and related material, expansion material, and for preparing the foundation; for replacing rejected sidewalk; and for all labor, equipment, tools, and incidentals required to complete the work. If other than existing soil is approved for use as foundation material, it will be measured and paid for under the appropriate Section. If rock is encountered, measurement and payment for removal of the rock will be made under Section 206.

11/29/12

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**705528 – TEMPORARY CURB RAMP**

**Description:**

This item shall consist of designing, furnishing, installing and maintaining a safe, convenient and accessible temporary pedestrian ramp to span sidewalk construction to provide continuous access to residences and businesses as shown on the Plans, in accordance with the Americans with Disabilities Act of 1990 (ADA), this special provision and notes on the Plans and as directed by the Engineer.

After the completion of the project, the temporary pedestrian ramp material shall become the property of the Contractor and shall be removed from the project site.

**Design:**

- A. Submittal and Review  
Submit the proposed design of the temporary pedestrian ramp with all design calculations to the Engineer for review and approval prior to ordering materials or starting construction of the temporary pedestrian ramp.
  - 1. The design and calculations must be stamped by a PE registered in the State of Delaware.
  - 2. Review time of the design and calculations will be in accordance with Subsection 105.04 of the Standard Specifications.
- B. Design Specifications  
Meet the requirements of ASCE Standard 7, Minimum Design Loads for Buildings and Other Structures, latest edition.
- C. Temporary Pedestrian Ramp Width  
Maintain a minimum width of 48”
- D. Railings  
Minimum height of 36” measured from the walkway surface
- E. Bevel Edge  
Provide a bevel edge of the end of the ramp meeting the existing sidewalk and entryway no greater than 0.5”
- F. Base Edging  
Protrude at least 6” above the top surface of the walkway with the bottom edging a maximum of 2.5” above the surface for cane detection

**Materials:**

- A. Temporary pedestrian ramp may be steel, aluminum, timber or a combination thereof.
- B. Walkway surface material must firm, stable, slip resistant, continuous hard surface, across the entire length and width of the temporary pedestrian bridge.

**Construction Methods:**

- A. Construct the temporary pedestrian ramp in accordance with approved shop drawings at the location shown on the Plans.

**Method of Measurement:**

Temporary Curb Ramps shall be installed by the Contractor as required with payment to be made on an each (EA) used basis for the duration of the contract for temporary curb ramps actually furnished and used as required and approved by the Engineer.

**Basis of Payment:**

The number of temporary curb ramps measured as described above, shall be paid for at the contract unit price bid per each as required by the Contract. Price and payment shall be full compensation for design and preparation of shop drawings, furnishing, fabricating, placing, maintaining, removal and disposal of the

DELAWARE DEPARTMENT OF TRANSPORTATION  
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CONTRACTOR : \_\_\_\_\_

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

SECTION 0001 OPEN END CONSTRUCTION SERVICES, STATWIDE TRAILS, KENT AND S

0010	201000 CLEARING AND GRUBBING	LUMP	LUMP			
0020	202000 EXCAVATION AND EMBANKMENT	16956.000 CY				
0030	208000 EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	1312.000 CY				
0040	209006 BORROW, TYPE F	6508.000 CY				
0050	210000 FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	1079.000 CY				
0060	211000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP	LUMP			
0070	250000 SEDIMENT REMOVAL	46.000 CY				
0080	251000 SILT FENCE	25412.000 LF				
0090	252001 INLET SEDIMENT CONTROL, CURB INLET	12.000 EACH				



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			DOLLARS	CTS	DOLLARS	CTS
0100	252002 INLET SEDIMENT CONTROL, AT GRADE INLET	18.000 EACH				
0110	254000 STONE CHECK DAM	30.000 TON				
0120	268000 STABILIZED CONSTRUCTION ENTRANCE	75.000 TON				
0130	270000 PORTABLE SEDIMENT TANK	3.000 EACH				
0140	302007 GRADED AGGREGATE BASE COURSE, TYPE B	4421.000 CY				
0150	302008 GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	774.000 CY				
0160	302011 DELAWARE NO. 3 STONE	50.000 TON				
0170	302012 DELAWARE NO. 57 STONE	2663.000 TON				
0180	401574 PERVIOUS BITUMINOUS ASPHALT PAVEMENT	5223.000 SY				
0190	401807 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22 (CARBONATE STONE)	899.000 TON				



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			DOLLARS	CTS	DOLLARS	CTS
0200	401810 WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22	540.000 TON				
0210	401816 WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22	1125.000 TON				
0220	401819 WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22	2021.000 TON				
0230	401821 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	105.000 TON				
0240	401822 WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	183.000 TON				
0250	401823 WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	28.000 TON				
0260	401824 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, WEDGE	9.000 TON				
0270	401827 WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON- CARBONATE STONE)	960.000 TON				
0290	612021 REINFORCED CONCRETE PIPE, 15", CLASS IV	72.000 LF				
0300	612022 REINFORCED CONCRETE PIPE, 18", CLASS IV	1488.000 LF				



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			DOLLARS	CTS	DOLLARS	CTS
0320	612030 REINFORCED CONCRETE PIPE, 18", CLASS V	264.000 LF				
0330	612032 REINFORCED CONCRETE PIPE, 15", CLASS V	600.000 LF				
0335	612033 REINFORCED CONCRETE PIPE, 21", CLASS IV	185.000 LF				
0340	612216 REINFORCED CONCRETE ELLIPTICAL PIPE, 14"X23", CLASS IV	56.000 LF				
0350	612529 PIPE VIDEO INSPECTION	3176.000 LF				
0360	612535 CLEANING DRAINAGE PIPE, 15"-24" DIA	1856.000 LF				
0370	617002 REINFORCED CONCRETE FLARED END SECTION, 15"	1.000 EACH				
0380	617003 REINFORCED CONCRETE FLARED END SECTION, 18"	2.000 EACH				
0400	701004 PORTLAND CEMENT CONCRETE VALLEY GUTTER, 8"	273.000 SY				
0410	701010 PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	3133.000 LF				



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			DOLLARS	CTS	DOLLARS	CTS
0420	701011 PORTLAND CEMENT CONCRETE CURB, TYPE 2	10.000 LF				
0440	701022 INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-8	854.000 LF				
0450	701023 INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-6	224.000 LF				
0470	701505 P.C.C. PARKING BUMPER	13.000 EACH				
0480	701506 REMOVE AND RESET P.C.C. PARKING BUMPER	45.000 EACH				
0490	705001 P.C.C. SIDEWALK, 4"	16924.000 SF				
0500	705002 P.C.C. SIDEWALK, 6"	2638.000 SF				
0510	705007 SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	408.000 SF				
0520	705009 CURB RAMP, TYPE 2, 3, AND/OR 4	1532.000 SF				
0530	705010 CURB RAMP, TYPE 5	840.000 SF				



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			DOLLARS	CTS	DOLLARS	CTS
0540	705511 UNIT PAVER, TYPE B	19754.000 SF				
0545	705522 PCC SIDEWALK, SPECIAL	4785.000 SF				
0550	705528 TEMPORARY CURB RAMP	60.000 EACH				
0560	707005 UNDERDRAIN OUTLET	3.000 EACH				
0570	708050 DRAINAGE INLET, 34" X 18"	11.000 EACH				
0580	708051 DRAINAGE INLET, 34" X 24"	3.000 EACH				
0590	708052 DRAINAGE INLET, 48" X 30"	3.000 EACH				
0600	708111 MANHOLE, 48" X 30"	7.000 EACH				
0610	708112 MANHOLE, 48" X 48"	1.000 EACH				
0620	708512 DRAINAGE INLET, SPECIAL I	5.000 EACH				



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			DOLLARS	CTS	DOLLARS	CTS
0630	708513 DRAINAGE INLET, SPECIAL II	2.000 EACH				
0640	708583 PERSONAL GRATE FOR PIPE INLET	4.000 EACH				
0650	708585 JUNCTION BOX, 48" X 30"	6.000 EACH				
0660	708586 JUNCTION BOX, 48" X 48"	1.000 EACH				
0670	710001 ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	6.000 EACH				
0680	710501 CONVERTING EXISTING CATCH BASIN TO MANHOLE	1.000 EACH				
0690	710506 ADJUST AND REPAIR EXISTING SANITARY MANHOLE	9.000 EACH				
0700	710507 ADJUST AND REPAIR EXISTING SANITARY CLEANOUTS	24.000 EACH				
0710	712020 RIPRAP, R-4	135.000 TON				
0720	713003 GEOTEXTILES, RIPRAP	178.000 SY				



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			DOLLARS	CTS	DOLLARS	CTS
0730	715001 PERFORATED PIPE UNDERDRAINS, 6"	1000.000 LF				
0740	718000 ROOF DRAINS	450.000 LF				
0750	718512 TRENCH DRAIN, 8" WIDE	58.000 LF				
0751	720050 GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	212.000 LF				
0755	720051 GALVANIZED STEEL BEAM GUARDRAIL, TYPE 2-31	1000.000 LF				
0770	720556 BOLLARD	15.000 EACH				
0780	720586 GUARDRAIL END TREATMENT ATTENUATOR, TYPE 2-31	3.000 EACH				
0785	726001 END ANCHORAGE 31	1.000 EACH				
0790	727000 RIGHT-OF-WAY FENCE	40.000 LF				
0800	727005 TERMINAL POSTS FOR 4' CHAIN-LINK FENCE	2.000 EACH				



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			DOLLARS	CTS	DOLLARS	CTS
0810	727014 CONSTRUCTION SAFETY FENCE	550.000 LF				
0820	727015 MONUMENTS	10.000 EACH				
0830	727510 WOOD RAIL FENCE	15700.000 LF				
0840	732000 TOPSOIL, 4" DEPTH	25.000 SY				
0850	732002 TOPSOIL, 6" DEPTH	12379.000 SY				
0860	733002 TOPSOILING, 6" DEPTH	4400.000 SY				
0870	734013 PERMANENT GRASS SEEDING, DRY GROUND	19713.000 SY				
0880	735534 SOIL RETENTION BLANKET MULCH, TYPE 4	25.000 SY				
0890	736001 SODDING	25.000 SY				
0900	737523 PLANTINGS	LUMP	LUMP			



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			DOLLARS	CTS	DOLLARS	CTS
0910	741504 GRANITE COBBLE TREE WELL	7.000 TON				
0920	743000 MAINTENANCE OF TRAFFIC	LUMP	LUMP			
0930	743001 ARROWPANELS, TYPE A	20.000 EADY				
0940	743004 FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	597.000 EADY				
0950	743006 PLASTIC DRUMS	51773.000 EADY				
0960	743007 TRAFFIC OFFICERS	160.000 HOUR				
0970	743009 FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE I	40.000 EADY				
0980	743010 FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	12.000 EADY				
0990	743015 FURNISH AND MAINTAIN PORTABLE PCC SAFETY BARRIER	1155.000 LF				
1000	743023 TEMPORARY BARRICADES, TYPE III	93379.000 LFDY				



CONTRACT ID: T201230008.01 PROJECT(S): CMAQ-2012(28)

All figures must be typewritten.

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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1010	743024 TEMPORARY WARNING SIGNS AND PLAQUES	23209.000 EADY				
1015	743051 FLAGGER, KENT COUNTY, STATE	200.000 HOUR				
1020	743052 FLAGGER, SUSSEX COUNTY, STATE	3086.000 HOUR	50.80000		156768.80	
1025	743063 FLAGGER, KENT COUNTY, STATE, OVERTIME	40.000 HOUR				
1030	743064 FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	1444.000 HOUR	73.66000		106365.04	
1040	743538 WOODEN SIGN POSTS, 4" X 4"	18.000 EACH				
1050	743539 WOODEN SIGN POSTS, 4" X 6"	62.000 EACH				
1060	743552 PEDESTRIAN CHANNELIZING BARRICADE	140000.000 LFDY				
1070	744503 CONDUIT JUNCTION WELL, ELECTRIC	8.000 EACH				
1080	744505 ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	1.000 EACH				



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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1090	744525 REMOVAL OF EXISTING JUNCTION WELL	11.000 EACH				
1100	745527 SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	2655.000 LF				
1110	745544 INSTALLATION OF CONDUIT IN UNPAVED TRENCH	2655.000 LF				
1120	746509 RELOCATING LIGHT POLE	18.000 EACH				
1130	746511 CABLES, 1/#4 AWG	6325.000 LF				
1140	746512 CABLES, 1/#6 AWG	3155.000 LF				
1150	746515 INSULATED GROUND CABLES, 1/#6	250.000 LF				
1160	746564 INSULATED GROUND CABLES, 1/#4	1935.000 LF				
1170	746577 INSULATED GROUND CABLE, 1/#8	420.000 LF				
1180	746586 RELOCATE SIGN	20.000 SF				



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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1190	746590 FURNISH & INSTALL GROUND ROD	27.000 EACH				
1200	746653 ELECTRICAL TESTING	LUMP	LUMP			
1220	746852 POLE BASE, TYPE 6	27.000 EACH				
1230	746871 ELECTRICAL CABLE AND WIRE CONNECTORS	119.000 EACH				
1240	748015 PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	1284.000 SF				
1250	748019 TEMPORARY MARKINGS, PAINT, 4"	19365.000 LF				
1260	748020 TEMPORARY MARKINGS, PAINT, 6"	5090.000 LF				
1270	748026 TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	2590.000 SF				
1280	748034 TEMPORARY MARKINGS, PAINT, 10"	750.000 LF				
1290	748525 TEMPORARY MARKINGS, TAPE, 4"	2165.000 LF				



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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1300	748526 TEMPORARY MARKINGS, TAPE, 6"	1135.000 LF				
1310	748530 REMOVAL OF PAVEMENT STRIPING	16210.000 SF				
1320	748548 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	10026.000 LF				
1330	748549 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 10"	814.000 LF				
1340	748551 PREFORMED THERMOPLASTIC DECORATIVE PAVEMENT SYSTEM	3445.000 SF				
1350	748553 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, BIKE SYMBOL	14.000 EACH				
1360	748555 PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS, HANDICAP SYMBOL	8.000 EACH				
1370	748557 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK, 3"	108.000 LF				
1380	748558 BLACKOUT TAPE, 12"	4925.000 LF				



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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1390	749574 SIGN PANEL, ADVANCE NOTICE SIGNS	280.000 SF				
1395	749584 FURNISH AND INSTALL DECORATIVE SIGN POST	7.000 EACH				
1400	749687 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	165.000 EACH				
1410	749690 INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLE SIGN POSTS	40.000 SF				
1420	750000 ADJUST WATER VALVE BOXES	16.000 EACH				
1430	751000 ADJUST FIRE HYDRANTS	1.000 EACH				
1440	758000 REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	8616.000 SY				
1450	759005 FIELD OFFICE, TYPE II	12.000 EAMO				
1460	762001 SAW CUTTING, HOT MIX	2133.000 LF				
1470	762002 SAW CUTTING, CONCRETE, FULL DEPTH	1954.000 LF				



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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1480	763000 INITIAL EXPENSE	LUMP	LUMP			
1490	763501 CONSTRUCTION ENGINEERING	LUMP	LUMP			
1500	763508 PROJECT CONTROL SYSTEM DEVELOPMENT PLAN	LUMP	LUMP			
1510	763509 CPM SCHEDULE UPDATES AND/OR REVISED UPDATES	EAMO	12.000			
1520	763510 SITE FURNISHINGS	LUMP	LUMP			
1530	763597 UTILITY CONSTRUCTION ENGINEERING	hour	120.000			
	SECTION 0001 TOTAL					
	TOTAL BID					



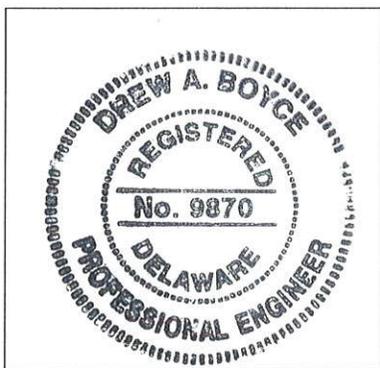
STATE OF DELAWARE  
DEPARTMENT OF TRANSPORTATION



TRANSPORTATION SOLUTIONS  
CENTRAL & SOUTH DISTRICTS  
PLANS AND SPECIFICATIONS FOR

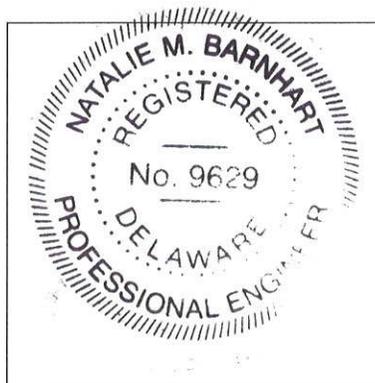
CONTRACT NUMBER: T201230008  
FEDERAL AID PROJECT NUMBER: CMAQ-2012(28)

OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS,  
KENT AND SUSSEX



RECOMMENDED:

*Drew A. Boyce* 11/9/12  
\_\_\_\_\_  
DIRECTOR  
DIVISION OF PLANNING



APPROVED:

*Natalie Barnhart* 11-5-12  
\_\_\_\_\_  
CHIEF ENGINEER  
TRANSPORTATION SOLUTIONS

**CONTRACT DESCRIPTION**

THE PURPOSE OF THIS CONTRACT IS TO CONSTRUCT MULTI-USE TRAILS AND STREETSCAPES IN ACCORDANCE WITH APPLICABLE STANDARDS. THE LOCATION OF WORK IS LIMITED TO SITES WITHIN KENT AND SUSSEX COUNTIES. INDIVIDUAL LOCATIONS WILL VARY IN THEIR CONTEXT FROM ROADSIDE SEPARATED FACILITIES TO COMPLETELY OFF-ROAD TRAIL SYSTEMS BUILT ON VIRGIN GROUND.

THE WORK ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- CLEARING
- EXCAVATION
- GRADING
- PLACING ALL MATERIALS FOR TRAIL, SIDEWALK AND ROADWAY CONSTRUCTION
- CONSTRUCTION OF BOTH OPEN AND CLOSED DRAINAGE SYSTEMS
- PLACEMENT OF EROSION AND SEDIMENT CONTROLS
- MAINTENANCE OF TRAFFIC
- SIGNING AND STRIPING
- SIGNAL SYSTEM AND LIGHTING WORK
- GUARDRAIL PLACEMENT
- SITE AMENITIES

SEVERAL WORK SITES FOR THIS CONTRACT HAVE BEEN IDENTIFIED AND ARE LISTED BELOW. NOTE THAT SITES ARE NOT LIMITED TO AND NOT GUARANTEED FOR THIS CONTRACT.

- JUNCTION AND BREAKWATER, SHOWFIELD EXTENSION
- GARFIELD PARKWAY STREETSCAPE IMPROVEMENTS
- WOOTEN ROAD PEDESTRIAN IMPROVEMENTS (TRAP POND)
- KILLEN'S POND MULTI USE PATH IMPROVEMENTS

**LOCATION MAP**

**LOCATION 1- Open End Location - Actual Locations to be determined**



**PROJECT NOTES**

1. CONSTRUCTION OF THIS CONTRACT SHALL BE PERFORMED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED AUGUST 2001 (AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS), THE DELDOT SPECIAL PROVISIONS, STANDARD CONSTRUCTION DETAILS, AND THESE PROJECT NOTES.
2. THIS IS AN OPEN-END WORK-ORDER DRIVEN CONTRACT, WITH SOME KNOWN AND OTHER NOT YET DETERMINED LOCATIONS, TO MAKE GENERAL IMPROVEMENTS TO ROADS, TRAILS, BRIDGES OR PEDESTRIAN/BICYCLE FACILITIES LOCATED WITHIN THE BOUNDARIES OF KENT & SUSSEX COUNTY. THE WORK SHALL BE AS THE ENGINEER OR REPRESENTATIVE REQUIRES OR DIRECTS VIA INDIVIDUAL WORK-ORDERS. THE DEPARTMENT RESERVES THE RIGHT TO PRIORITIZE, SUBSTITUTE, ADD, OR DELETE LOCATIONS AT ANYTIME DURING THE CONTRACT TERM.
3. CONTRACT TERM: THIS CONTRACT SHALL BE FOR A PERIOD OF THREE (3) YEARS FROM THE DATE OF INITIAL "NOTICE TO PROCEED" WITH THE OPTION TO EXTEND THE CONTRACT FOR ONE (1) ADDITIONAL ONE-YEAR PERIOD AT THE ORIGINAL UNIT BID PRICES SPECIFIED. EACH SUCH ONE-YEAR EXTENSION MUST BE APPROVED BY BOTH PARTIES IN WRITING; AT LEAST 90 DAYS PRIOR TO THE EXPIRATION OF THE THEN EXISTING CONTRACT. THE PERFORMANCE BOND SHALL BE SUBMITTED WITH THE CONTRACT EXTENSION AND SHALL BE SUBJECT TO ANY SUCH AGREED UPON RENEWAL FOR EXTENSION PERIODS. FAILURE ON THE PART OF THE CONTRACTOR TO SUBMIT THE PERFORMANCE BOND FOR THE EXTENSION PERIOD PRIOR TO THE LAST WORKING DAY BEFORE END OF THE PREVIOUS PERIOD SHALL RESULT IN THE CONTRACT BEING CANCELLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL FORMS NECESSARY TO RENEW THE PERFORMANCE BOND EACH YEAR THE CONTRACT IS IN FORCE.
4. THE LOCATION LISTING INDICATES ESTIMATED QUANTITIES FOR THE ORIGINAL THREE YEAR CONTRACT. DURING THE BIDDING PERIOD, ANY QUESTIONS PERTAINING TO LOCATIONS SHALL BE DIRECTED TO THE CONTRACT ADMINISTRATOR. AFTER THE AWARD, SUCH QUESTIONS SHALL BE REFERRED TO THE APPROPRIATE MANAGER OR THEIR REPRESENTATIVE.
5. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITIES OF THE ITEMS SPECIFIED IN THIS CONTRACT. SUCH ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES.

6. THE WORK WILL BE SCHEDULED BY ISSUANCE OF WORK ORDERS TO THE CONTRACTOR FROM THE DEPARTMENT. EACH WORK ORDER WILL REPRESENT AN INDEPENDENT TRAIL OR STREETScape CONSTRUCTION LOCATION. WORK ORDERS WILL BE ISSUED UPON DESIGN COMPLETION AND RECEIPT OF NECESSARY STATEMENTS & PERMITS FOR THE INDIVIDUAL SITES. UNLESS GIVEN APPROVAL BY THE PROJECT ENGINEER OR CONTRACT MANAGER, FIELD PERSONNEL REPRESENTING THE DEPARTMENT ARE NOT AUTHORIZED TO CHANGE SCOPE OF THE WORK, CONTRACT PROVISIONS, SCHEDULES, OR OTHER CONTRACT DOCUMENTATION AS STATED BY THE ENGINEER FOR EACH WORK ORDER LOCATION, UNLESS APPROVED BY THE CONTRACT ENGINEER.
7. THE SCOPE OF EACH WORK ORDER WILL BE DEFINED BY A FULLY ENGINEERED SET OF CONSTRUCTION DRAWINGS. IN ADDITION TO THE DRAWINGS AND NOTES THE ESTIMATED QUANTITIES, PROPERTY OWNER NOTIFICATION REQUIREMENTS, ALLOWABLE TIME TO PERFORM THE WORK AND ANY ADDITIONAL SPECIFICATIONS AND CONSTRUCTION GUIDANCE NEEDED FOR THE SPECIFIC LOCATIONS OF WORK WILL ALSO BE PROVIDED.
8. EACH WORK ORDER SHALL BE CONSIDERED A SEPARATE UNIT OF WORK. UPON COMPLETION OF EACH SINGLE UNIT OF WORK AND ACCEPTANCE BY THE DEPARTMENT, ONE ITEMIZED PAY ESTIMATE WILL BE PREPARED BY THE DEPARTMENT FOR THAT UNIT. A SUMMARY OF THE WORK ORDERS WILL ALSO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE THE ESTIMATES AND SUMMARY. PAYMENT WILL BE MONTHLY FOR THE COMPLETED PAY ESTIMATES AS OUTLINED IN SECTION 109.07.
9. PROSECUTION AND PROGRESS OF WORK:
  - a. THE CONTRACTOR SHALL COMMENCE WORK INDICATED ON THE WORK ORDER NO LATER THAN THIRTY (30) DAYS AFTER ISSUANCE UNLESS SEASONAL RESTRICTIONS ARE PRESENT OR REQUIRED MATERIALS ARE NOT AVAILABLE. NON-AVAILABILITY OF MATERIALS SHALL BE VERIFIED BY AT LEAST THREE (3) INDEPENDENT SOURCES, WITH THE VERIFICATION FORMALLY PRESENTED IN WRITING BY THE CONTRACTOR TO THE DEPARTMENT WITHIN FOUR (4) WORKING DAYS.
  - b. ISSUANCE OF EACH WORK ORDER CONSTITUTES THE NOTICE TO PROCEED WITH THE WORK DESCRIBED ON THE WORK ORDER.
  - c. IF WORK DOES NOT COMMENCE, OR NON-AVAILABILITY OF MATERIALS IS NOT PRESENTED IN THE ALLOTTED TIME, TIME CHARGES EQUAL TO LIQUIDATED DAMAGES FOR THE WORK ORDER SHALL COMMENCE. IF THERE IS A VERIFIED NON-AVAILABILITY OF MATERIALS, TIME CHARGES SHALL COMMENCE ON THE FIRST (1<sup>ST</sup>) WORKING DAY FOLLOWING THE DELIVERY DATE OF SAID MATERIALS.

- d. FAILURE TO COMPLETE THE WORK IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSUE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.08 OF THE STANDARD SPECIFICATIONS. EACH WORK ORDER IS TO BE COMPLETED WITHIN THE SPECIFIED TIME. ADDITIONAL ITEMS AND/OR WORKING DAYS MAY BE ADDED TO ANY WORK ORDER AS NEEDED AT THE DISCRETION OF THE ENGINEER. IF THE WORK ON A SPECIFIC WORK ORDER IS NOT COMPLETED WITHIN THE ALLOCATED TIME, LIQUIDATED DAMAGES WILL BE ASSESSED IN ACCORDANCE WITH SUBSECTION 108.09 OF THE STANDARD SPECIFICATIONS BASED ON THE TOTAL VALUE OF THAT PARTICULAR WORK ORDER.
  - e. THE CONTRACTOR MAY HAVE UP TO THREE (3) ACTIVE WORK ORDERS AT A TIME UNTIL ALL ASSIGNED WORK HAS BEEN COMPLETED. THE CONTRACTOR IS REQUIRED TO HAVE ENOUGH RESOURCES TO WORK ON TRAIL AND STREETScape CONSTRUCTION FOR ALL WORK ORDERS ISSUED, WITH THE ABILITY TO PROVIDE ADDITIONAL WORKING CREWS IF REQUESTED BY THE ENGINEER.
10. A SEMI-FINAL INSPECTION WILL BE PERFORMED ON EACH WORK-ORDER AFTER THE DEPARTMENT RECEIVES COPIES OF THE COMPLETED WORK-ORDERS FROM THE CONTRACTOR. ALL WORK MUST MEET THE DEPARTMENT'S SPECIFICATIONS AND THE REQUIREMENTS AS OUTLINED IN THESE NOTES. THE CONTRACTOR MUST COMPLETE ANY PUNCHLIST WORK WITHIN THIRTY (30) DAYS OF EACH SEMI-FINAL INSPECTION, UNLESS THE ENGINEER APPROVES OTHERWISE.

ALL WORK IS SUBJECT TO A FINAL INSPECTION UPON EACH WORK ORDER COMPLETION. THE CONTRACTOR WILL HAVE FORTY-FIVE (45) DAYS TO COMPLETE ANY AND ALL PUNCHLIST WORK FROM THE FINAL INSPECTION LETTER DATE, UNLESS THE ENGINEER APPROVES OTHERWISE.

11. THE DEPARTMENT RESERVES THE RIGHT TO, AT ANY TIME PRIOR TO COMPLETION OF THE CONTRACT, MAKE ADJUSTMENTS IN CONTRACT ITEM QUANTITIES, OR MAKE SUCH OTHER ALTERATIONS CONSIDERED NECESSARY TO SATISFACTORILY COMPLETE THE CONTRACT.

FOR THIS CONTRACT, THE FOLLOWING TEXT SHALL BE DELETED FROM SECTION 104.05 (CHANGES IN CHARACTER OF WORK) OF THE STANDARD SPECIFICATIONS:

*A CHANGE WILL ALSO BE CONSIDERED TO HAVE OCCURRED WHEN A MAJOR ITEM OF WORK, AS DEFINED ELSEWHERE IN THE CONTRACT, IS INCREASED IN EXCESS OF 125% OR DECREASED BELOW 75% OF THE ORIGINAL CONTRACT QUANTITY. ANY ALLOWANCE FOR AN INCREASE IN QUANTITY SHALL APPLY ONLY TO THAT PORTION IN EXCESS OF 125% OF ORIGINAL CONTRACT ITEM QUANTITY, OR IN CASE OF A*

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*DECREASE BELOW 75%, TO THE ACTUAL AMOUNT OF WORK PERFORMED. SUCH CHANGES WILL BE ISSUED IN WRITING BY THE ENGINEER.*

- 1. SUCH CHANGES DO NOT INVALIDATE THE CONTRACT OR RELEASE THE CONTRACT SURETY.*
- 2. IF AS A RESULT OF SUCH CHANGES THE CONTRACTOR REQUIRES ADDITIONAL TIME TO COMPLETE THE CONTRACT, ADJUSTMENTS IN THE CONTRACT TIME WILL BE MADE UNDER SUBSECTION 108.07.*
- 3. PAYMENT FOR CHANGES WILL BE MADE AS PROVIDED IN SUBSECTION 109.03 OR*  
*109.04. PAYMENT SHALL EXCLUDE ANY AMOUNT FOR LOSS OF ANTICIPATED PROFITS ALLEGED TO RESULT FROM THE CHANGE.*
- 4. ADJUSTMENTS TO THE UNIT PRICE OF A CONTRACT ITEM BASED ON INCREASES OR DECREASES IN CONTRACT QUANTITIES WILL BE CONSIDERED ONLY ON MAJOR ITEMS AND THEN ONLY FOR THE INCREASE IN EXCESS OF 125% OR DECREASE BELOW 75% OF THE ORIGINAL BID QUANTITY. THE INCREASE OR DECREASE IN THE UNIT PRICE OF A CONTRACT ITEM SHALL APPLY ONLY TO THAT PORTION IN EXCESS OF 125% OF THE CONTACT QUANTITY. IN CASES OF A DECREASE BELOW 75% OF CONTRACT QUANTITY, THE INCREASE AND DECREASE IN THE UNIT PRICE SHALL APPLY TO THE ENTIRE QUANTITY. THE AMOUNT OF THE INCREASE OR DECREASE IN THE UNIT PRICE WILL BE DETERMINED IN ACCORDANCE WITH SUBSECTION 109.04.*
- 5. WHEN PAYMENT FOR THE CONTRACT WORK CANNOT BE AGREED UPON BY THE CONTRACTOR AND THE DEPARTMENT PRIOR TO STARTING SUCH WORK ORDERED, THE DEPARTMENT MAY DIRECT THE CONTRACTOR TO PERFORM THE WORK UNDER THE FORCE ACCOUNT PROVISIONS OF SUBSECTION 109.04. THE CONTRACTOR WILL PROCEED IMMEDIATELY WITH WORK SO ORDERED AND SUCH DIRECTION SHALL NEITHER INVALIDATE THE CONTRACT, NOR RELEASE THE SURETY.*

12. THE CONTRACTOR IS REMINDED THAT SECTION 105.07 OF THE STANDARD SPECIFICATIONS REQUIRES THE GENERAL CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT OR FOREMAN ON THE PROJECT AT ALL TIMES.
13. ALL ADDITIONAL WORK SHALL BE PERFORMED BY CONTRACT UNIT PRICES. IN THE CASE WHERE CONTRACT PRICES ARE NOT AVAILABLE, PRICES ARE TO BE NEGOTIATED OR PERFORMED BY FORCE ACCOUNT PROCEDURES.
14. PROPER DISPOSAL OF CONSTRUCTION RELATED WASTES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE REGULATIONS.
15. TRASH, RUBBISH, DEBRIS OR BRUSH THAT HAMPERS REPAIR / MAINTENANCE WORK IN THIS CONTRACT (AS DETERMINED BY THE ENGINEER) SHALL BE REMOVED WITHIN THE PROJECT LIMITS, AND SHALL BE INCIDENTAL TO PAY ITEM 763000 (INITIAL EXPENSE).
16. GRASS AND SOIL AREAS WITHIN STATE RIGHT-OF-WAY THAT HAVE BEEN DAMAGED BY THE CONTRACTOR'S EQUIPMENT DURING THIS CONTRACT SHALL

BE RESTORED WITH TOPSOIL, SEED AND MULCH AT CONTRACTOR'S OWN EXPENSE, AND IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 732, 734 & 735.

17. THE CONTRACTOR SHALL NOT TRESPASS ON PRIVATE PROPERTY UNLESS THE DEPARTMENT HAS ACQUIRED A "TEMPORARY TRESPASS AGREEMENT" FROM THE PROPERTY OWNER. IF THE WORK IS WITHIN AN EASEMENT, PERMANENT OR TEMPORARY, THE WORK SHALL NOT BEGIN UNTIL THE ADJACENT PROPERTY OWNERS (IF AFFECTED) HAVE BEEN NOTIFIED. PRIOR TO STARTING WORK ON TEMPORARY OR PERMANENT EASEMENTS, THE CONTRACTOR SHALL NOTIFY AFFECTED PROPERTY OWNERS OF THE PROPOSED WORK DATES. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS WHO LIVE ADJACENT TO THE WORK ZONE WITH A MINIMUM SEVEN (7) DAYS PRIOR WRITTEN NOTICE FOR THE START OF CONSTRUCTION WORK UNLESS DIRECTED OTHERWISE IN THE SITE SPECIFIC DOCUMENTATION. THIS NOTIFICATION SHALL INCLUDE THE SCOPE OF WORK, WORKING HOURS, ANTICIPATED START AND COMPLETION DATES, CONTRACTOR NAME AND ADDRESS, AND DELDOT CONTACT NAME AND NUMBERS. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.
18. NO ENVIRONMENTAL PERMITS ARE REQUIRED FOR THIS WORK PROVIDED NO JURISDICTIONAL WETLANDS OR WATERS ARE IMPACTED. IF THERE IS ANY QUESTION AS TO WHETHER OR NOT A WATER OR WETLAND IS JURISDICTIONAL, CONTACT JOY FORD WITH THE DELDOT ENVIRONMENTAL SECTION AT (302) 760-2264.
19. NO WORK WILL BEGIN FOR A SPECIFIC WORK ORDER WITHOUT WRITTEN APPROVAL FROM THE DELDOT **ENVIRONMENTAL STUDIES OFFICE**.
20. SHOULD A WORK ORDER BE ASSIGNED THAT REQUIRES WORK WITHIN WATERS/WETLANDS AND THUS REQUIRE **ENVIRONMENTAL PERMITS**, WORK SHALL NOT BEGIN ON SAID LOCATIONS UNTIL ALL APPLICABLE PERMITS HAVE BEEN OBTAINED BY DELDOT. CONFIRM PERMIT STATUS WITH DELDOT ENGINEER PRIOR TO COMMENCEMENT OF APPLICABLE WORK.
21. UNDERGROUND UTILITIES MAY BE PRESENT AT ALL LOCATIONS. THEREFORE, ALL STANDARD PRACTICES AND PROCEDURES REGARDING UTILITIES SHALL BE FOLLOWED, SEE SECTION 105.09. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELAWARE PRIOR TO STARTING EACH WORK ORDER. THE CONTRACTOR IS RESPONSIBLE FOR THE SUPPORT AND PROTECTION OF ALL UTILITIES WHEN EXCAVATING. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER CLEARANCES, INCLUDING SAFETY CLEARANCES, FROM OVERHEAD UTILITIES FOR CONSTRUCTION EQUIPMENT. THE CONTRACTOR IS ADVISED TO CHECK THE SITE FOR ACCESS PURPOSES FOR HIS EQUIPMENT, AND MAKE ARRANGEMENTS DIRECTLY WITH UTILITY COMPANIES FOR FIELD

ADJUSTMENTS FOR ADEQUATE CLEARANCES IF NECESSARY.

22. ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING STATE RIGHT-OF-WAY UNLESS OTHERWISE NOTED ON THE WORK ORDER. RIGHT-OF-WAY INFORMATION SHALL BE AVAILABLE UPON REQUEST FROM THE DELDOT ENGINEER.
23. SEASONAL RESTRICTIONS MAY EXIST AT SELECT LOCATIONS TO BE PERFORMED UNDER THIS CONTRACT. THE DEPARTMENT WILL NOTIFY THE CONTRACTOR AT TIME OF AWARD OF THIS CONTRACT OF ANY RESTRICTIONS ON AN ANTICIPATED WORK ORDER BASIS.
24. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL CORRECT ALL PAVEMENT EDGE DROP OFFS WITHIN 10' OF A TRAVEL LANE TO RESULT IN A DROP OFF OF NO MORE THAN 2". ANY CORRECTIVE MEASURES TAKEN BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE MOT 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.

**MAINTENANCE OF TRAFFIC**  
**PROJECT NOTES**

1. THE CONTRACTOR AND ALL OTHERS SHALL PERFORM ALL WORK IN A MANNER THAT SHALL ENSURE THE LEAST PRACTICAL OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN, AND BICYCLE TRAFFIC, AND SHALL BE CONSISTENT WITH SAFETY STANDARDS, AND SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THE LATEST VERSION OF THE "DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PART 6, HEREIN REFERRED TO AS THE "TRAFFIC CONTROL MANUAL" (INCLUDING REVISIONS IN EFFECT AT THE TIME OF ADVERTISEMENT FOR BIDS).
2. THE CONTRACTOR AND ALL OTHERS SHALL REVIEW AND FOLLOW PROJECT SPECIFIC MAINTENANCE OF TRAFFIC (MOT) AND DETOUR PLANS. IF THERE IS ANY CONFLICT BETWEEN THE PROJECT SPECIFIC MOT PLANS AND GENERAL NOTES IN THIS SECTION, THE PROJECT SPECIFIC MOT PLANS WILL SUPERSEDE. IF THE CONTRACTOR SHOULD WISH TO DEVIATE FROM THE PROPOSED MOT AND DETOUR PLANS THEN HE SHALL SEEK APPROVAL FROM THE ENGINEER. NO MOT OR DETOUR CHANGES WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER PRIOR STARTING ANY PROJECT.

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3. NO LANE CLOSURES WILL BE PERMITTED ON HOLIDAYS OR HOLIDAY WEEKDAYS, UNLESS APPROVED BY THE ENGINEER. THIS REQUIREMENT APPLIES TO ALL ROADS IMPACTED IN THIS CONTRACT, INCLUDING INTERSTATE AND ASSOCIATED RAMPS.
4. NO LANE CLOSURES WILL BE PERMITTED UNLESS APPLICABLE WORK ACTIVITY IS TAKING PLACE.
5. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING THE NECESSARY NCHRP 350 CERTIFICATE FOR ALL DEVICES THAT WILL BE UTILIZED FOR EACH LOCATION PRIOR TO THE PRE-CONSTRUCTION MEETING, FOR APPROVAL THREE (3) WORKING DAYS PRIOR TO THE START OF ASSIGNED WORK ORDERS, AND FOR EACH PROJECT SITE. WRITTEN APPROVAL MUST BE RECEIVED FROM THE DEPARTMENT SAFETY OFFICER PRIOR TO THE START OF WORK AT EACH AND EVERY LOCATION. COSTS FOR PREPARATION OF TRAFFIC CONTROL PLANS FOR EACH SITE SHALL BE INCLUDED IN THE BID PRICE FOR PAY ITEM 743000 (MAINTENANCE OF TRAFFIC).
6. FOR LOCATIONS REQUIRING A FLAGGING OPERATION, THE FLAGGER WILL BE PAID THE FIXED HOURLY RATE PER ITEMS 743052 & 743064 (SUSSEX COUNTY) AND 742501 & 742515 (KENT COUNTY), RESPECTIVELY.
7. ALL FLAGGERS UTILIZED BY THE CONTRACTOR FOR THIS PROJECT SHALL BE ATSSA CERTIFIED. ALL FLAGGERS SHALL HAVE THEIR CERTIFICATION CARDS WITH THEM WHILE WORKING. ABSENCE OF A CERTIFICATION CARD WILL BE JUSTIFICATION FOR FLAGGER DISMISSAL FROM THE SITE AND CORRESPONDING SUSPENSION OF WORK. ALL CONSTRUCTION AND CONTRACTOR VEHICLES AND SELF-PROPELLED EQUIPMENT SHALL BE EQUIPPED WITH AN OPERATING ROOF MOUNTED AMBER FLASHING LIGHT. ALL WORKERS SHALL WEAR A RETRO REFLECTIVE ANSI TYPE 3 OR EQUIVALENT SAFETY VEST WHILE THEY ARE WITHIN THE RIGHT-OF-WAY OR ADJACENT TO IT.
8. IF A ROAD CLOSURE IS REQUIRED AT RAMP LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT THE PROPOSED DETOUR ROUTE TO THE DELDOT SAFETY OFFICER FOR APPROVAL. PAYMENT FOR DETOUR PLAN PREPARATION SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 743000 (MAINTENANCE OF TRAFFIC). THE CONTRACTOR SHALL ALSO COORDINATE THE CLOSURE WITH THE DEPARTMENT. THE DEPARTMENT WILL COORDINATE WITH THE SAFETY SECTION AND BE RESPONSIBLE FOR THE NECESSARY EMERGENCY NOTIFICATIONS. THE DETOUR ROUTE REQUIRES APPROVAL BY THE DEPARTMENT PRIOR TO CLOSURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING THE MAINTENANCE OF TRAFFIC APPARATUS AT THE CLOSURE (I.E. TYPE III BARRICADE, ROAD CLOSED SIGNS, ETC.) AND ALL ADVANCE-WARNING SIGNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT OF DETOUR

TRAILBLAZERS. PAYMENT FOR DETOUR TRAILBLAZERS SHALL BE UNDER ITEM 743024, TEMPORARY WARNING SIGNS & PLAQUES. IF NECESSARY, THE ENGINEER WILL ASSIGN THE DETOUR ROUTE.

9. ALL OPEN EXCAVATIONS SHALL BE SECURED WITH THE PLASTIC DRUMS AND ORANGE, CONSTRUCTION SAFETY FENCE. IF THE CONSTRUCTION ACTIVITY RESULTS IN A VERTICAL DIFFERENCE OR DROP-OFF ALONG, ADJACENT TO OR ACROSS A TRAVEL WAY, THE CONTRACTOR SHALL ELIMINATE OR REMEDY THE HAZARD BY THE METHODS DETAILED IN SECTION 6G.20, TABLE 6G-1 OF THE TRAFFIC CONTROL MANUAL AS DIRECTED BY THE ENGINEER. THE CONSTRUCTION SAFETY FENCE, TIE WIRE, ETC. SHALL BE INCIDENTAL TO THE WORK IT PROTECTS.
10. TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH THE DELAWARE MUTCD (TRAFFIC CONTROL MANUAL).
11. THE TRAFFIC CONTROL PLAN MUST CLEARLY INDICATE ORIENTATION OF TRAFFIC CONTROL DEVICES TO BE USED FOR EACH SITE. THE PLAN MUST BE APPROVED BY DELDOT SAFETY OFFICER AND DELDOT ENGINEER PRIOR TO COMMENCEMENT OF WORK AT EACH SITE.
12. ALL REQUIRED MAINTENANCE OF TRAFFIC WARNING SIGNS WILL BE PAID UNDER ITEM 743024, TEMPORARY WARNING SIGNS & PLAQUES, AS DETERMINED BY THE DURATION OF CONSTRUCTION. ALL TEMPORARY TRAFFIC CONTROL DEVICES USED ON ALL HIGHWAYS OPEN TO THE PUBLIC IN THIS STATE SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE CRASHWORTHY IN ACCORDANCE WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE MEMORANDUM ISSUED AUGUST 28, 1998 BY THE USDOT FEDERAL HIGHWAY ADMINISTRATION INFORMATION: CRASH TESTED WORK ZONE TRAFFIC CONTROL DEVICES. IT IS THE REQUIREMENT OF THE DEPARTMENT THAT SUCH CERTIFICATION BE SUBMITTED FOR TRAFFIC CONTROL DEVICES USED ON ALL PROJECTS, NOT JUST THOSE INVOLVING THE NATIONAL HIGHWAY SYSTEM.
13. NO SEPARATE PAYMENT SHALL BE MADE FOR THE USE OF TRAFFIC CONES. TRAFFIC CONES AND/OR WORK ASSOCIATED WITH THEIR USE, SUCH AS SET UP, REMOVAL, CLEANING, ETC., SHALL BE INCIDENTAL TO THE WORK FOR WHICH THEY PROTECT.
14. A TRUCK MOUNTED ATTENUATOR; TYPE II (ITEM 743010) SHALL BE REQUIRED ON ROADS FOR SHOULDER WORK, TRAVEL LANE WORK AND FOR OTHER OPERATIONS AS OUTLINED IN THE DELDOT TRAFFIC CONTROL MANUAL, OR AS DIRECTED BY THE ENGINEER.

15. ALL EQUIPMENT SHALL BE REMOVED FROM THE JOB SITES ON A DAILY BASIS, EXCEPT WHEN ALLOWED BY THE DELDOT APPROVED TRAFFIC SAFETY PLAN, OR AS APPROVED BY THE ENGINEER.
16. ANY ERRONEOUS PAVEMENT MARKINGS WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTORS EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING. NO OTHER REMOVAL METHODS WILL BE ALLOWED. A FLAT BLACK PAINT OR DRIVEWAY SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED / REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
17. AT THE END OF EACH DAY'S OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY STRIPING SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT STRIPING PER THE LATEST VERSION OF THE PERMANENT MARKING SECTION OF THE TRAFFIC CONTROL MANUAL. TEMPORARY PAVMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE.
18. PEDESTRIAN MAINTENANCE OF TRAFFIC: THIS WORK SHALL CONSIST OF PROVIDING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE THROUGHOUT THE PROJECT'S LIMITS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130. THE CONTRACTOR SHALL BE REQUIRED TO REVIEW EACH CURB RAMP LOCATION AND SUBMIT THE APPROPRIATE MAINTENANCE OF TRAFFIC DETAIL AND DEVICES TO THE ENGINEER FOR EACH LOCATION AT LEAST 2-WEEKS BEFORE CONSTRUCTION FOR REVIEW, COMMENT, AND APPROVAL. THE FOLLOWING CONSIDERATIONS SHALL BE TAKEN INTO ACCOUNT WHEN ADDRESSING ACCESSIBLE PEDESTRIAN MAINTENANCE OF TRAFFIC:
  - a. ALL PEDESTRIANS, INCLUDING PERSONS WITH DISABILITIES, SHALL BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES, AS MUCH AS PRACTICABLE, THE EXISTING PEDESTRIAN FACILITIES.
  - b. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES.
  - c. PROVIDE PEDESTRIAN ACCESS THROUGH OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.
  - d. WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PEDESTRIAN PATH IS PROVIDED AND IDENTIFIED

- e. TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS AND FEATURES SHALL NOT INTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.
- f. SIGNS AND OTHER DEVICES MOUNTED LOWER THAN 7 FT ABOVE THE TEMPORARY PEDESTRIAN PATHWAY SHALL NOT PROJECT MORE THAN 4 IN. INTO ACCESSIBLE PEDESTRIAN ROUTE.
- g. A SMOOTH, CONTINUOUS HARD SURFACE SHALL BE PROVIDED THROUGHOUT THE ENTIRE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN ¼ INCH IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

**PROJECT ITEMS AND QUANTITIES**  
**SITE SPECIFIC**

LOCATION 1  
 JUNCTION AND BREAKWATER, SHOWFIELD EXTENSION

Item	Description	UOM	Quantity
201000	CLEARING AND GRUBBING	LS	1
202000	EXCAVATION AND EMBANKMENT	CY	11,800
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	CY	181
209006	BORROW, TYPE F	CY	6,003
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, ANDSTRUCTURE BACKFILL	CY	104
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
250000	SEDIMENT REMOVAL	CY	26
251000	SILT FENCE	LF	15,908
252002	INLET SEDIMENT CONTROL, AT GRADE INLET	EACH	2
254000	STONE CHECK DAM	TON	30
268000	STABILIZED CONSTRUCTION ENTRANCE	TON	75

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302007	GRADED AGGREGATE BASE COURSE, TYPE B	CY	1,141
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	CY	695
302011	DELAWARE NO. 3 STONE	CY	50
302012	DELAWARE NO. 57 STONE	TON	2,663
401574	PERVIOUS BITUMINOUS ASPHALT PAVEMENT	SY	5,223
401810	WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22	TON	540
401821	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	TON	92
401822	WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	TON	52
401827	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	480
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	LF	16
612022	REINFORCED CONCRETE PIPE, 18", CLASS IV	LF	880
612033	Reinforced Concrete Pipe, 21" Class IV	LF	185
612529	PIPE VIDEO INSPECTION	LF	1,320
617002	REINFORCED CONCRETE FLARED END SECTION, 15"	EACH	1
617003	REINFORCED CONCRETE FLARED END SECTION, 18"	EACH	2
701010	PORTLAND CEMENT CONCRETE CURB TYPE 1-8	LF	50
705001	P.C.C. SIDEWALK, 4"	SF	600
705002	P.C.C. SIDEWALK, 6"	SF	300
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	SF	120
705522	PCC SIDEWALK, SPECIAL	SF	4785
707005	UNDERDRAIN OUTLET	EACH	3
708052	DRAINAGE INLET, 48" X 30"	EACH	3
708583	PERSONAL GRATE FOR PIPE INLET	EACH	4

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710507	ADJUST AND REPAIR EXISTING SANITARY CLEANOUTS	EACH	1
712020	RIPRAP, R-4	TON	135
713003	GEOTEXTILES, RIPRAP	SY	178
715001	PERFORATED PIPE UNDERDRAINS, 6"	LF	1,000
720050	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	LF	212
720051	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 2-31	LF	1,000
720556	BOLLARD	EACH	10
720586	GUARDRAIL END TREATMENT ATTENUATOR,TYPE 2-31	EACH	3
726001	END ANCHORAGE 31	EACH	1
727000	RIGHT-OF-WAY FENCE	LF	40
727005	TERMINAL POSTS FOR 4' CHAIN-LINK FENCE	EACH	2
727014	CONSTRUCTION SAFETY FENCE	LF	550
727015	MONUMENTS	EACH	10
727510	WOOD RAIL FENCE	LF	15,700
732002	TOPSOIL, 6" DEPTH	SY	10,267
733002	TOPSOILING, 6" DEPTH	SY	4,400
734013	PERMANENT GRASS SEEDING, DRY GROUND	SY	17,601
737523	PLANTING	LS	1
743000	MAINTENANCE OF TRAFFIC	LS	1
743001	ARROWPANELS, TYPE A	EADY	20
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	EADY	90
743006	PLASTIC DRUMS	EADY	15,048
743009	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR,TYPE I	EADY	40

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743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR,TYPE II	EADY	10
743023	TEMPORARY BARRICADES, TYPE III	LFDY	6,000
743024	TEMPORARY WARNING SIGNS AND PLAQUES	EADY	803
743052	FLAGGER, SUSSEX COUNTY, STATE	HOUR	2,880
743064	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	HOUR	1,440
743538	WOODEN SIGN POSTS, 4' X 4'	EACH	18
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	594
748530	REMOVAL OF PAVEMENT STRIPING	SF	50
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	836
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLESIGN POST	EACH	22
750000	ADJUST WATER VALVE BOXES	EACH	3
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB,SIDEWALK, ETC.	SY	215
762001	SAW CUTTING, HOT MIX	LF	1,401
762002	SAW CUTTING, CONCRETE, FULL DEPTH	LF	55
763000	INITIAL EXPENSE	L.S.	1
763501	CONSTRUCTION ENGINEERING	L.S.	1
763510	SITE FURNISHINGS	LS	1

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LOCATION 2  
 GARFIELD PARKWAY STREETScape IMPROVEMENTS

Item	Description	UOM	Quantity
201000	CLEARING AND GRUBBING	LS	1
202000	EXCAVATION AND EMBANKMENT	CY	3,630
208000	EXCAVATION AND BACKFILL FOR PIPE TRENCHES	CY	1,131
209006	BORROW, TYPE F	CY	505
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	CY	975
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
250000	SEDIMENT REMOVAL	CY	20
252001	INLET SEDIMENT CONTROL, CURB INLET	EACH	12
252002	INLET SEDIMENT CONTROL, AT GRADE INLET	EACH	16
270000	PORTABLE SEDIMENT TANK	EACH	3
302007	GRADED AGGREGATE BASE COURSE, TYPE B	CY	2,341
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	CY	79
401807	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22(CARBONATE STONE)	TON	899
401816	WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 76-22	TON	1,125
401819	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22	TON	2,021
401821	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	TON	13
401822	WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	TON	131
401823	WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	TON	28
401824	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, WEDGE	TON	9
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	LF	56

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612022	REINFORCED CONCRETE PIPE, 18", CLASS IV	LF	608
612030	REINFORCED CONCRETE PIPE, 18", CLASS V	LF	264
612032	REINFORCED CONCRETE PIPE, 15", CLASS V	LF	600
612216	REINFORCED CONCRETE ELLIPTICAL PIPE, 14"X23", CLASS IV	LF	56
612529	PIPE VIDEO INSPECTION	LF	1,856
612535	CLEANING DRAINAGE PIPE, 15"-24" DIA	LF	1,856
701004	PORTLAND CEMENT CONCRETE VALLEY GUTTER, 8"	SY	273
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	LF	3,083
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	LF	10
701022	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	LF	854
701023	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	224
701505	P.C.C. PARKING BUMPER	EACH	13
701506	REMOVE AND RESET P.C.C. PARKING BUMPER	EACH	45
705001	P.C.C. SIDEWALK, 4"	SF	16,324
705002	P.C.C. SIDEWALK, 6"	SF	2,338
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	SF	288
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	SF	1,532
705010	CURB RAMP, TYPE 5	SF	840
705511	UNIT PAVER, TYPE B	SF	19,754
705528	TEMPORARY CURB RAMP	EACH	60
708050	DRAINAGE INLET, 34" X 18"	EACH	11
708051	DRAINAGE INLET, 34" X 24"	EACH	3
708111	MANHOLE, 48" X 30"	EACH	7
708112	MANHOLE, 48" X 48"	EACH	1
708512	DRAINAGE INLET, SPECIAL I	EACH	7

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708513	DRAINAGE INLET, SPECIAL II	EACH	2
708585	JUNCTION BOX, 48" X 30"	EACH	6
708586	JUNCTION BOX, 48" X 48"	EACH	1
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	EACH	6
710501	CONVERTING EXISTING CATCH BASIN TO MANHOLE	EACH	1
710506	ADJUST AND REPAIR EXISTING SANITARY MANHOLE	EACH	9
710507	ADJUST AND REPAIR EXISTING SANITARY CLEANOUTS	EACH	23
718000	ROOF DRAINS	LF	450
718512	TRENCH DRAIN, 8" WIDE	LF	58
732000	TOPSOIL, 4" DEPTH	SY	25
735534	SOIL RETENTION BLANKET MULCH, TYPE 4	SY	25
736001	SODDING	SY	25
737523	PLANTING	LS	1
741504	GRANITE COBBLE TREE WELL	TON	7
743000	MAINTENANCE OF TRAFFIC	LS	1
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	EADY	507
743006	PLASTIC DRUMS	EADY	36,725
743007	TRAFFIC OFFICERS	HOUR	160
743015	FURNISH AND MAINTAIN PORTABLE P.C.C. SAFETY BARRIER	LF	1,155
743023	TEMPORARY BARRICADE, TYPE III	LFDY	87,379
743024	TEMPORARY WARNING SIGNS AND PLAQUES	EADY	22,390
743052	FLAGGER, SUSSEX COUNTY, STATE	HOUR	190
743539	WOODEN SIGN POSTS, 4" X 6"	EACH	62
743552	PEDESTRIAN CHANNELIZING BARRICADE	LFDY	140,000
744503	CONDUIT JUNCTION WELL, ELECTRIC	EACH	8

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744505	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	EACH	1
744525	REMOVAL OF EXISTING JUNCTION WELL	EACH	11
745527	SUPPLY OF 2 1/2" GALVANIZED STEEL CONDUIT	LF	2,655
745544	INSTALLATION OF CONDUIT IN UNPAVED TRENCH	LF	2,655.00
746509	RELOCATING LIGHT POLE	EACH	18
746511	CABLES, 1/#4 AWG	LF	6,325
746512	CABLES, 1/#6 AWG	LF	3,155
746515	INSULATED GROUND CABLES, 1/#6	LF	250
746564	INSULATED GROUND CABLES, 1/#4	LF	1,935
746577	INSULATED GROUND CABLE, 1/#8	LF	420
746586	RELOCATE SIGN	SF	20
746590	GROUND ROD	EACH	27
746653	ELECTRICAL TESTING	LS	1
746852	POLE BASE, TYPE 6	EACH	27
746871	ELECTRICAL CABLE AND WIRE CONNECTORS	EACH	119
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	690
748019	TEMPORARY MARKINGS, PAINT, 4"	LF	19,365
748020	TEMPORARY MARKINGS, PAINT, 6"	LF	5,090
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	SF	2,590
748034	TEMPORARY MARKINGS, PAINT, 10"	LF	750
748525	TEMPORARY MARKINGS, TAPE, 4"	LF	2,165
748526	TEMPORARY MARKINGS, TAPE, 6"	LF	1,135
748530	REMOVAL OF PAVEMENT STRIPING	SF	16,160
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT 5"	LF	7,035
748549	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 10"	LF	235

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748551	PREFORMED THERMOPLASTIC DECORATIVE PAVEMENT SYSTEM	SF	3,445
748553	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENTMARKINGS, BIKE SYMBOL	EACH	14
748555	PREFORMED RETROREFLECTIVE THERMOPLASTIC PAVEMENTMARKINGS, HANDICAP SYMBOL	EACH	8
748558	BLACKOUT TAPE, 12"	LF	4,925
749574	SIGN PANEL, ADVANCE NOTICE SIGNS	SF	280
749584	DECORATIVE SIGN POST	EACH	7
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLESIGN POST	EACH	131
749690	INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLESIGN POSTS	SF	40
750000	ADJUST WATER VALVE BOXES	EACH	13
751000	ADJUST FIRE HYDRANTS	EACH	1
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB,SIDEWALK, ETC.	SY	8,401
759005	FIELD OFFICE, TYPE II	EAMO	12
762001	SAW CUTTING, HOT MIX	LF	620
762002	SAW CUTTING, CONCRETE, FULL DEPTH	LF	1,899
763000	INITIAL EXPENSE	LS	1
763501	CONSTRUCTION ENGINEERING	LS	1
763508	PROJECT CONTROL SYSTEM DEVELOPMENT PLAN	LS	1
763509	CPM SCHEDULE UPDATES AND/OR REVISED UPDATES	EAMO	12
763510	SITE FURNISHINGS	LS	1
763597	UTILITY CONSTRUCTION ENGINEERING	HOUR	120

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LOCATION 3  
 WOOTEN ROAD PEDESTRIAN IMPROVEMENTS (TRAP POND)

Item	Description	UOM	Quantity
743000	MAINTENANCE OF TRAFFIC	LS	1
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR,TYPE II	EADY	2
743024	TEMPORARY WARNING SIGNS AND PLAQUES	EADY	16
743052	FLAGGER, SUSSEX COUNTY, STATE	HOUR	16
743064	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	HOUR	4
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	2,155
748549	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 10"	LF	579
748557	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK, 3"	LF	108
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLESIGN POST	EACH	12
763000	INITIAL EXPENSE	L.S.	1
763501	CONSTRUCTION ENGINEERING	L.S.	1

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LOCATION 4  
 KILLEN'S POND MULTI USE PATH IMPROVEMENTS

Item	Description	UOM	Quantity
202000	EXCAVATION AND EMBANKMENT	CY	1526
251000	SILT FENCE	LF	9504
302007	GRADED AGGREGATE BASE COURSE, TYPE B	CY	939
401827	WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	480
720556	BOLLARD	EACH	5
732002	TOPSOIL, 6" DEPTH	SY	2112
734013	PERMANENT GRASS SEEDING, DRY GROUND	SY	2112
743051	KENT COUNTY, FLAGGER	HR	200
743063	KENT COUNTY, FLAGGER, OVERTIME	HR	40
762001	SAW CUTTING, HOT MIX	LF	112
763000	INITIAL EXPENCE	L.S.	1
763501	CONSTRUCTION ENGINEERING	L.S.	1