

STATE OF DELAWARE

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DeIDOT in order to bid.



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T201706401.01

PCC PATCHING, NORTH, OPEN END, FY17-19

NEW CASTLE COUNTY

ADVERTISEMENT DATE: December 26, 2016

COMPLETION TIME: 730 Calendar Days

**STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION, AUGUST 2016 APPLY TO THIS PROJECT**

Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time January 24, 2017

Contract No.T201706401.01

**PCC PATCHING, NORTH, OPEN END, FY17-19
NEW CASTLE COUNTY**

GENERAL DESCRIPTION

LOCATION

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

DESCRIPTION

The improvements consist of furnishing all labor and materials for this project. The purpose of this contract to repair sections of Portland Cement Concrete Pavement on roads in DelDOT's North District and other incidental construction in accordance with the location, notes and details shown on the plans and as directed by the Engineer.

COMPLETION TIME

All work on this contract must be complete within 730 Calendar Days. It is the Department's intent to issue a Notice to Proceed such that work starts on or about March 30, 2017.

PROSPECTIVE BIDDERS NOTES:

1. BIDDERS MUST BE REGISTERED with DelDOT and request a cd of the official plans and specifications in order to submit a bid. Contact DelDOT at dot-ask@state.de.us, or (302) 760-2031. Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time January 24, 2017 unless changed via addendum.
2. QUESTIONS regarding this project are to be e-mailed to dot-ask@state.de.us no less than six business days prior to the bid opening date in order to receive a response. Please include T201706401.01 in the subject line. Responses to inquiries are posted on-line at <http://www.bids.delaware.gov>.
3. THE BID PROPOSAL incorporates a cd containing **Expedite, version 5.9a** and its installation file. Bidders are to use the cd provided to enter their bid amounts into the Expedite file. The Expedite bid file must be printed and submitted in paper form along with the cd and other required documents prior to the Bid due date and time.
4. SURETY BOND - Each proposal must be accompanied by a deposit of either surety bond or security for a sum equal to at least 10% of the bid.
5. DRUG TESTING - Regulation 4104; The state Office of Management and Budget has developed regulations that require Contractors and Subcontractors to implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds pursuant to 29 Del.C. §6908(a)(6). **Refer to the full requirements by following the below link:** <http://regulations.delaware.gov/register/september2015/final/19%20DE%20Reg%20207%2009-01-15.htm>
Please note a few of the requirements listed below;
 - * At bid submission - submit with the bid a signed affidavit certifying that the Contractor has in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for their Employees that complies with this regulation;
 - * Two business days prior to contract execution - The awarded Contractor shall provide to **DelDOT** copies of the Employee Drug Testing Program for the Contractor, and may submit any Subcontractor's Employee Drug Testing Program for approval;
 - * Subcontractors - Contractors that employ Subcontractors on the job site may do so only after submitting a copy of the Subcontractor's Employee Drug Testing Program along with the standard required subcontractor information. A Subcontractor shall not commence work until **DelDOT** has approved the subcontractor in writing;
 - * Testing Report Forms shall be submitted to DelDOT monthly (forms will be provided).
 - * Penalties for non-compliance are specified in the regulation.
6. NO RETAINAGE will be withheld on this contract.

7. EXTERNAL COMPLAINT PROCEDURE can be viewed on DelDOT's Website at; <http://www.deldot.gov/information/business/>, or you may request a copy by calling (302) 760-2555.
8. PLEASE NOTE revisions to 'Equality of Employment Opportunity on Public Works' under General Notices.
9. REMINDER; A copy of your firm's Delaware Business License must be submitted with your bid.

**STATE OF DELAWARE
CONSTRUCTION ITEMS UNITS OF MEASURE**

English Code	English Description	Multiply By	Metric Code	Metric Description	Suggested CEC Metric Code
ACRE	Acre	0.4047	ha	Hectare	HECTARE
BAG	Bag	N/A	Bag	Bag	BAG
C.F.	Cubic Foot	0.02832	m ³	Cubic Meter	M3
C.Y.	Cubic Yard	0.7646	m ³	Cubic Meter	M3
EA-DY	Each Day	N/A	EA-DY	Each Day	EA-DY
EA-MO	Each Month	N/A	EA-MO	Each Month	EA-MO
EA/NT	Each Night	N/A	EA-NT	Each Night	EA/NT
EACH	Each	N/A	EA	Each	EACH
GAL	Gallon	3.785	L	Liter	L
HOUR	Hour	N/A	h	Hour	HOUR
INCH	Inch	25.4	mm	Millimeter	MM
L.F.	Linear Foot	0.3048	m	Linear Meter	L.M.
L.S.	Lump Sum	N/A	L.S.	Lump Sum	L.S.
LA-MI	Lane Mile	1.609	LA-km	Lane-Kilometer	LA-KM
LB	Pound	0.4536	kg	Kilogram	KG
MFBM	Thousand Feet of Board Measure	2.3597	m ³	Cubic Meter	M3
MGAL	Thousand Gallons	3.785	kL	Kiloliter	KL
MILE	Mile	1.609	km	Kilometer	KM
S.F.	Square Foot	0.0929	m ²	Square Meter	M2
S.Y.	Square Yard	0.8361	m ²	Square Meter	M2
SY-IN	Square Yard-Inch	0.8495	m ² -25 mm	Square Meter-25 Millimeter	M2-25 MM
TON	Ton	.9072	t	Metric Ton (1000kg)	TON
N.A.*	Kip	4.448	kN	Kilonewton	N.A.*
N.A.*	Thousand Pounds per Square Inch	6.895	MPa	Megapascal	N.A.*

*Not used for units of measurement for payment.

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GENERAL NOTICES

SPECIFICATIONS:

The specifications entitled "Standard Specifications for Road and Bridge Construction, August, 2016", hereinafter referred to as the Standard Specifications, the Special Provisions, notes on the Plans, this Bid Proposal, and any addenda thereto shall govern the work to be performed under this contract.

CLARIFICATIONS:

Under any Section or Item included in the Contract, the Contractor shall be aware that when requirements, responsibilities, and furnishing of materials are outlined in the details and notes on the Plans and in the paragraphs preceding the "Basis of Payment" paragraph in the Standard Specifications or Special Provisions, no interpretation shall be made that such stipulations are excluded because reiteration is not made in the "Basis of Payment" paragraph.

ATTESTING TO NON-COLLUSION:

The Department requires as a condition precedent to acceptance of bids a sworn statement executed by, or on behalf of, the person, firm, association, or corporation to whom such contract is to be awarded, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract. The form for this sworn statement is included in the proposal and must be properly executed in order to have the bid considered.

QUANTITIES:

The quantities shown are for comparison of bids only. The Department may increase or decrease any quantity or quantities without penalty or change in the bid price.

PREFERENCE FOR DELAWARE LABOR:

Delaware Code, Title 29, Chapter 69, Section 6962, Paragraph (d), Subsection (4)b:

"In the construction of all public works for the State or any political subdivision thereof, or by firms contracting with the State or any political subdivision thereof, preference in employment of laborers, workmen or mechanics shall be given to bona fide legal citizens of the State who have established citizenship by residence of at least 90 days in the State. Each public works contract for the construction of public works for the State or any political subdivision thereof shall contain a stipulation that any person, company or corporation who violates this section shall pay a penalty to the Secretary of Finance equal to the amount of compensation paid to any person in violation of this section."

EQUALITY OF EMPLOYMENT OPPORTUNITY ON PUBLIC WORKS:

Delaware Code, Title 29, Chapter 69, Section 6962, Paragraph (d), Subsection (7) states;

- a. As a condition of the awarding of any contract for public works financed in whole or in part by State appropriation, such contracts shall include the following provisions:

During the performance of this contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, gender identity or national origin. The contractor will take positive steps to ensure that applicants are employed and that employees are treated during employment without regard to their race, creed, color, sex, sexual orientation, gender identity or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places available to employees and applicants for employment notices to be provided by the contracting agency setting forth this nondiscrimination clause.

2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, gender identity or national origin.
3. The contractor will ensure employees receive equal pay for equal work, without regard to sex. Employee pay differential is acceptable if pursuant to a seniority system, a merit system, a system which measures earnings by quantity or quality of production, or if the differential is based on any other factor other than sex.

TAX CLEARANCE:

As payments to each vendor or contractor aggregate \$2,000, the Division of Accounting will report such vendor or contractor to the Division of Revenue, who will then check the vendor or contractor's compliance with tax requirements and take such further action as may be necessary to insure compliance.

LICENSE:

A person desiring to engage in business in this State as a contractor shall obtain a license upon making application to the Division of Revenue.

CONTRACTOR / SUBCONTRACTOR LICENSE: 29 DEL. C. §6967:

(b) No agency shall accept a proposal for a public works contract unless such contractor has provided a proper and current copy of its occupational and/or business license, as required by Title 30, to such agency.

(c) Any contractor that enters a public works contract must provide to the agency to which it is contracting, within 30 days of entering such public works contract, copies of all occupational and business licenses of subcontractors and/or independent contractors that will perform work for such public works contract. However, if a subcontractor or independent contractor is hired or contracted more than 20 days after the contractor entered the public works contract the occupational or business license of such subcontractor or independent contractor shall be provided to the agency within 10 days of being contracted or hired.

DIFFERING SITE CONDITIONS,

SUSPENSIONS OF WORK and SIGNIFICANT CHANGES IN THE CHARACTER OF WORK:

Differing site conditions: During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before they are disturbed and before the affected work is performed.

Upon written notification, the engineer will investigate the conditions, and if he/she determines that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding loss of anticipated profits, will be made and the contract modified in writing accordingly. The engineer will notify the contractor of his/her determination whether or not an adjustment of the contract is warranted.

No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.

No contract adjustment will be allowed under their clause for any effects caused on unchanged work.

Suspensions of work ordered by the engineer: If the performance of all or any portion of the work is suspended or delayed by the engineer in writing for an unreasonable period of time (not originally anticipated, customary or inherent to the construction industry) and the contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the contractor shall submit to the engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.

Upon receipt, the engineer will evaluate the contractor's request. If the engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the engineer will make an adjustment (excluding profit) and modify the contract in writing accordingly. The engineer will notify the contractor of his/her determination whether or not an adjustment of the contract is warranted.

No contract adjustment will be allowed unless the contractor has submitted the request for adjustment within the time prescribed.

No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided for or excluded under any other term or condition of this contract.

Significant changes in the character of work: The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.

If the alterations or changes in quantities significantly change the character of the work under the contract, whether or not changed by any such different quantities or alterations, an adjustment, excluding loss of anticipated profits, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.

The term "significant change" shall be construed to apply only to the following circumstances:

- (A) When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction or
- (B) When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

RIGHT TO AUDIT

The Department shall have the right to audit the books and records of the contractor or any subcontractor under this contract or subcontract to the extent that the books and records relate to the performance of the contract or subcontract. The books and records shall be maintained by the contractor for a period of 3 years from the date of final payment under the prime contract and by the subcontractor for a period of 3 years from the date of final payment under the subcontract (29 Del.C. §6930)

PREVAILING WAGES

Included in this proposal are the minimum wages to be paid various classes of laborers and mechanics as determined by the Department of Labor of the State of Delaware in accordance with Title 29 Del.C. §6960, relating to wages and the regulations implementing that Section.

REQUIREMENT BY DEPARTMENT OF LABOR FOR SWORN PAYROLL INFORMATION

Title 29 Del.C. §6960 stipulates;

- (b) Every contract based upon these specifications shall contain a stipulation that the employer shall pay all mechanics and laborers employed directly upon the site of the work, unconditionally and not less often than once a week and without subsequent deduction or rebate on any account, the full amounts accrued at time of payment, computed at wage rates not less than those stated in the specifications, regardless of any contractual relationship which may be alleged to exist between the employer and such laborers and mechanics. The specifications shall further stipulate that the scale of wages to be paid shall be posted by the employer in a prominent and easily accessible place at the site of the work, and that there may be withheld from the employer so much of accrued payments as may be considered necessary by the Department of Labor to pay to laborers and mechanics employed by the employer the difference between the rates of wages required by the contract to be paid laborers and mechanics on the work and rates of wages received by such laborers and mechanics to be remitted to the Department of Labor for distribution upon resolution of any claims.

(c) Every contract based upon these specifications shall contain a stipulation that sworn payroll information, as required by the Department of Labor, be furnished weekly. The Department of Labor shall keep and maintain the sworn payroll information for a period of 6 months from the last day of the work week covered by the payroll.

Bidders are specifically directed to note the Department of Labor's prevailing wage regulations implementing §6960 relating to the effective date of the wage rates, at Part VI., Section C., which in relevant part states:

"Public agencies (covered by the provisions of 29 Del.C. §6960) are required to use the rates which are in effect on the date of the publication of specifications for a given project. In the event that a contract is not executed within one hundred twenty (120) days from the date the specifications were published, the rates in effect at the time of the execution of the contract shall be the applicable rates for the project."

Contractor may contact:

Department of Labor, Division of Industrial Affairs, 4425 N. Market Street, Wilmington, DE 19802
Telephone (302) 761-8200

STATE OF DELAWARE
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL AFFAIRS
OFFICE OF LABOR LAW ENFORCEMENT
PHONE: (302) 451-3423

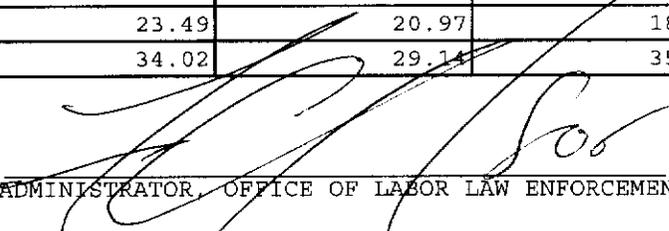
Mailing Address:
225 CORPORATE BOULEVARD
SUITE 104
NEWARK, DE 19702

Located at:
225 CORPORATE BOULEVARD
SUITE 104
NEWARK, DE 19702

PREVAILING WAGES FOR HIGHWAY CONSTRUCTION EFFECTIVE MARCH 15, 2016

CLASSIFICATION	NEW CASTLE	KENT	SUSSEX
BRICKLAYERS	50.49	50.49	14.98
CARPENTERS	52.81	52.81	41.97
CEMENT FINISHERS	31.10	30.96	26.79
ELECTRICAL LINE WORKERS	23.23	44.82	21.94
ELECTRICIANS	65.10	65.10	65.10
IRON WORKERS	43.56	24.64	26.17
LABORERS	33.59	39.35	38.63
MILLWRIGHTS	16.63	16.14	13.93
PAINTERS	63.14	63.14	63.14
PILEDRIVERS	68.57	24.52	27.82
POWER EQUIPMENT OPERATORS	41.90	40.89	29.07
SHEET METAL WORKERS	23.49	20.97	18.99
TRUCK DRIVERS	34.02	29.14	35.50

CERTIFIED: 12/9/2016

BY: 

ADMINISTRATOR, OFFICE OF LABOR LAW ENFORCEMENT

NOTE: THESE RATES ARE PROMULGATED AND ENFORCED PURSUANT TO THE PREVAILING WAGE REGULATIONS ADOPTED BY THE DEPARTMENT OF LABOR ON APRIL 3, 1992.

CLASSIFICATIONS OF WORKERS ARE DETERMINED BY THE DEPARTMENT OF LABOR. FOR ASSISTANCE IN CLASSIFYING WORKERS, OR FOR A COPY OF THE REGULATIONS OR CLASSIFICATIONS, PHONE (302) 451-3423.

NON-REGISTERED APPRENTICES MUST BE PAID THE MECHANIC'S RATE.

PROJECT: T201706401.01 PCC Patching North Open End Fy17-19, New Castle Co., DE,

SPECIAL PROVISIONS

CONSTRUCTION ITEM NUMBERS

All construction pay items are assigned a six (6) digit number, shown as Item Number on the Plans and/or in the Special Provisions, and shall be interpreted in accordance with the following:

Standard Item Number:

The first three digits of the construction item numbers indicates the Section number as described in the Standard Specifications, and all applicable requirements of the Section shall remain effective unless otherwise modified by the Special Provisions. The last three digits of the construction item identifies the item by sequential number under that Section. Sequential numbers for all items covered under Standard Specifications range from 000 to 499. A comprehensive list of construction item numbers begins on page 421 of the Standard Specifications. Additions to this list will be made as required.

Special Provisions Item Number:

The first three digits of the construction items, covered under Special Provisions, indicates the applicable Section number of the Standard Specifications, and shall be governed fully by the requirements of the Special Provisions. The last three digit of the items covered under Special Provisions identifies the item by sequential number. Sequential numbers for Special Provision items, range from 500 to 999.

Examples

Standard Item Number - 202000 Excavation and Embankment

202 Indicates Section Number

000 Indicates Sequential Number

Special Provision Item Number - 202500 Grading and Reshaping Roadway

202 Indicates Section Number

500 Indicates Sequential Number

401502 - ASPHALT CEMENT COST ADJUSTMENT

For Sections 304, 401, 402, 403, 404, and 405, payments to the Contractor shall be adjusted to reflect increases or decreases in the Delaware Posted Asphalt Cement Price when compared to the Project Asphalt Cement Base Price, as defined in these Special Provisions.

The Delaware Posted Asphalt Cement Price will be issued monthly by the Department and will be the industry posted price for Asphalt Cement, F.O.B. Philadelphia, Pennsylvania. The link for the posting is http://www.deldot.gov/information/business/bids/asphalt_cement_english.shtml.

The Project Asphalt Cement Base Price will be the Delaware Posted Asphalt Cement Price in effect on the date of advertisement.

All deviations of the Delaware Posted Asphalt Cement Price from the Project Asphalt Cement Base Price are eligible for cost adjustment. No minimum increases or decreases or corresponding percentages are required to qualify for cost adjustment.

Actual quantity of asphalt cement qualifying for any Asphalt Cement Cost Adjustment will be computed using the weight of eligible asphalt that is shown on the QA/QC pay sheets as a percentage for the delivered material.

If the mix was not inspected and no QA/QC pay sheet was generated, then the asphalt percentage will be obtained from the job mix formula for that mix ID.

The asphalt percentage eligible for cost adjustment shall only be the virgin asphalt cement added to the mix.

There shall be no separate payment per ton cost of asphalt cement. That cost shall be included in the various unit prices bid per ton for those bid items that contain asphalt cement (mentioned above).

The Asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt regardless of the actual grade of asphalt used. The Project Asphalt Cement Base Price per ton for the project will be the Delaware Posted Asphalt Cement Price in effect on the date of project advertisement.

If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted work day, shall be the prices used for cost adjustment during the time liquidated damages are assessed. However, if the industry posted price for asphalt cement goes down, the asphalt-cement cost shall be adjusted downward accordingly.

NOTE:

Application of Asphalt Cement Cost Adjustment requirements as indicated above shall apply only to those contracts involving items related to bituminous base and pavements, and with bitumen, having a total of 1,000 tons or more of hot-mix bid quantity in case of Sections 401, 402 and 403; and 15,000 gallons or more in case of Sections 304, 404 and 405.

5/05/15

503513 - DOWEL BAR RETROFIT

Description:

This item consists of installing epoxy-coated, round steel dowels into existing concrete pavement across transverse joints and/or cracks. Slots are cut using diamond-tipped saw blades, the existing concrete is removed, dowels are placed in the slots across the joints or cracks, and filled with a cementitious backfill material.

Materials:

Dowel Bars. Dowel bars shall conform to AASHTO M284. The dowel bars shall be 18" long with a diameter of 1 ½".

The dowel bars shall have an approved bond-breaking material coating, such as a white pigmented curing compound, on all surfaces of the dowel bar, applied either at the manufacturing facility before shipment, or on-site. Do not apply bond breaker while the dowel bars are in place within the pavement section.

Expansion Caps. Expansion caps shall be tight-fitting, commercial quality end caps made of a non-metallic, non-organic material that allows for ¼" of movement at each end of the dowel bar.

Dowel Bar Support Chairs. Dowel bar support chairs shall conform to the epoxy-coated steel requirements of ASTM A 884 or fabricated from commercial quality, non-metallic, non-organic material. Dowel bar chairs will be used to firmly hold the dowel bars centered in the slots during backfill operations. The dowel bar chairs shall be placed to hold the bar a minimum of ½" above the bottom of the slot while the backfill material is placed and consolidated.

Foam Core Insert. Foam core inserts shall be used to re-establish the joint or crack and shall consist of rigid Styrofoam material or closed cell foam, faced with poster board or plastic material. The foam core insert (joint/crack re-former) allows each side of the slot to expand and contract and shall extend up the bottom of the existing joint sealant reservoir.

Caulking Filler. Caulking filler shall be used for sealing the existing transverse joint or crack at the bottom and sides of the slot to prevent backfill material from flowing into the joint or crack. The caulking filler shall be compatible with all other materials used by the Contractor.

Non-Shrink Concrete Backfill Material. The concrete backfill material shall be a non-shrink concrete that: (1) provides a minimum opening to traffic compressive strength of 2000 psi in 6 hours; (2) exhibits expansion of less than 0.10 percent per ASTM C 531; (3) has a calculated durability factor of 90.0 percent minimum at the end of 300 freeze-thaw cycles per ASTM C 666; and (4) has a maximum 4-day shrinkage value of 0.13 percent per ASTM C596. During the first week of the backfilling operation, a manufacturer's representative shall be on-site to review the Contractor's mixing and handling of the backfill material and shall advise the Contractor and Engineer of any concerns.

Joint Sealant. Hot-pour joint sealants shall conform to the requirements of AASHTO M 282.

Construction Methods:

Patching Limits. The areas to be repaired will be indicated on the Plans or identified by the Engineer in the field.

Saw Cutting. The Contractor shall make two saw cuts in the pavement to outline the longitudinal sides of each dowel bar slot. Saw to a depth and length that allows the center of the dowel to be placed at mid-depth in the pavement slab. Saw slots parallel to each other and to the centerline of the roadway with a maximum tolerance of ¼" per 12" of dowel bar length. The Contractor shall use saws equipped with gang mounted diamond blades capable of cutting a minimum of three slots simultaneously in each wheel path. Skewed joints or cracks may require slots longer than the length specified in the Plans.

Concrete Removal. The Contractor shall use a maximum weight 30 lb. jackhammer(s) to remove the concrete remaining between the saw cuts. If the concrete removal operations cause damage to the pavement

that is to remain, discontinue concrete removal operations and only resume after taking corrective measures. Repair or replacement of pavement damaged during concrete removal operations shall be corrected at the Contractor's expense.

During concrete removal operations, a small bush hammer shall be used, as necessary, to produce a flat, level surface within the slot so the backfill flows and consolidates under the dowel bars.

Slot Cleaning and Preparation. The slots shall be sandblasted to remove saw slurry and debris such that clean aggregate is exposed. After sandblasting, the slot shall be cleaned by blowing moisture-free, oil-free compressed air having a minimum pressure of 150 psi to remove any dust, residue, or debris left in the slot.

Sealing Joints and Cracks in Slot. The existing joint and/or cracks at the bottom and the sides of the dowel bar slot shall be sealed with an approved caulking filler to prevent any of the backfill material from entering these areas. Prior to sealing, the surfaces receiving the caulking filler shall be clean and free of moisture. The caulking filler shall not extend beyond 3/8" of each side of the existing joint or crack.

Placing Dowel Assembly in Slot. The Contractor shall prevent contamination of the cleaned slot before and during placing of the dowel assemblies to limit the potential of bonding loss with the backfill material. The dowel bars shall be placed to within 1/2" of the midpoint of the slab. The dowel bar shall be placed parallel to the traffic lane centerline and the top of the roadway surface within a tolerance of 1/4" per 12" of dowel bar length. The dowel bars shall be centered at the transverse joint or crack, such that at least 7" of the dowel extends into each adjacent panel.

A foam core insert shall be placed at the middle of the dowel bar and 2" below the surface of the pavement. The insert shall be placed so it covers the existing transverse joint or crack and is capable of remaining in a vertical position, tight to all edges during backfill placement operations. The joint or crack shall be re-established above the foam core insert of backfill placement by means of sawing when the backfill material has hardened sufficiently.

Mixing and Placing Backfill Material. The backfill material shall be handled, mixed, placed, and cured in accordance with the manufacturer's recommendations.

The Contractor shall take extreme care regarding backfill material mix proportions, water cement ratio, and the condition of the mixing equipment as improper mix proportioning and/or inefficient mixing apparatus can result in premature deterioration of the backfill material. When using auger type mixing equipment, steps shall be taken to keep the auger flights free from material buildup, causing inefficient mixing operations. Volumetric mixing operations may be allowed such as mobile mixers with the approval of the Engineer.

Each dowel bar slot will be filled with backfill material after placement of the caulking filler, the dowel bar, expansion caps, support chairs, and the foam core insert. The Contractor shall ensure that the foam core inserts remain upright and over the existing joint or crack during the backfill process. The backfill material shall be vibrated with a small hand held vibrator capable of thoroughly consolidating the backfill material into the slot around the dowel bars and support chairs.

The Contractor shall slightly overfill the slot and finish the surface of the filled slot level with the existing concrete. The backfill material shall immediately be cured in accordance with the backfill manufacturer's recommendations.

Sealing Joints and Cracks. After the backfill material has set to the compressive strength requirements, the Contractor shall seal joints and cracks with an approved hot-pour sealant.

Method of Measurement and Basis of Payment:

Dowel bar retrofit is measured by each dowel bar assembly installed and accepted. The contract unit price paid for each dowel bar assembly includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals involved in placing dowel bar retrofit, complete in place including: saw cutting of concrete; removal and disposal of concrete; dowel bars, expansion caps and assemblies; core inserts and caulking filler; surface preparation; supplying, mixing, finishing, and curing backfill material; and joint sealant material.

503514 - LONGITUDINAL STEEL RETROFIT

Description:

This item consists of installing reinforcing steel into existing concrete pavement across longitudinal joints and/or cracks. Slots are cut using diamond-tipped saw blades, the existing concrete is removed, reinforcing steel is placed in the slots across the joints or cracks, and filled with a cementitious backfill material.

Materials:

Reinforcing Steel. Reinforcing steel shall conform to AASHTO M31, Grade 40 or 60 (300 or 400). It shall be #5 steel (5/8" diameter) and 30" long.

Foam Core Insert. Foam core inserts shall be used to re-establish the joint or crack and shall consist of rigid Styrofoam material or closed cell foam, faced with poster board or plastic material. The foam core insert (joint/crack re-former) allows each side of the slot to expand and contract and shall extend up the bottom of the existing joint sealant reservoir.

Caulking Filler. Caulking filler shall be used for sealing the existing transverse joint or crack at the bottom and sides of the slot to prevent backfill material from flowing into the joint or crack. The caulking filler shall be compatible with all other materials used by the Contractor.

Non-Shrink Concrete Backfill Material. The concrete backfill material shall be a non-shrink concrete that: (1) provides a minimum opening to traffic compressive strength of 2000 psi in 6 hours; (2) exhibits expansion of less than 0.10 percent per ASTM C 531; (3) has a calculated durability factor of 90.0 percent minimum at the end of 300 freeze-thaw cycles per ASTM C 666; and (4) has a maximum 4-day shrinkage value of 0.13 percent per ASTM C596. During the first week of the backfilling operation, a manufacturer's representative shall be on-site to review the Contractor's mixing and handling of the backfill material and shall advise the Contractor and Engineer of any concerns.

Joint Sealant. Hot-pour joint sealants shall conform to the requirements of AASHTO M282.

Construction Methods:

Patching Limits. The areas to be repaired will be indicated on the Plans or identified by the Engineer in the field.

Saw Cutting. The Contractor shall make two saw cuts in the pavement to outline the transverse sides of each dowel bar slot. Saw to a depth and length that allows the center of the reinforcing steel be placed at mid-depth in the pavement slab. Saw slots parallel to each other and to the centerline of the roadway with a maximum tolerance of 1/4" per 12" of reinforcing steel length. The Contractor shall use saws equipped with gang mounted diamond blades capable of cutting a minimum of three slots simultaneously in each wheel path. Skewed joints or cracks may require slots longer than the length specified in the Plans. Walk behind saws may be approved by the Engineer if this method is shown to provide the slots per this Specification and Details.

Concrete Removal. The Contractor shall use a maximum weight 30 lb. jackhammer(s) to remove the concrete remaining between the saw cuts. If the concrete removal operations cause damage to the pavement that is to remain, discontinue concrete removal operations and only resume after taking corrective measures. Repair or replacement of pavement damaged during concrete removal operations shall be corrected at the Contractor's expense.

During concrete removal operations, a small bush hammer shall be used, as necessary, to produce a flat, level surface within the slot so the backfill flows and consolidates under the dowel bars.

Slot Cleaning and Preparation. The slots shall be sandblasted to remove saw slurry and debris such that clean aggregate is exposed. After sandblasting, the slot shall be cleaned by blowing moisture-free, oil-free compressed air having a minimum pressure of 150 psi to remove any dust, residue, or debris left in the slot.

Sealing Joints and Cracks in Slot. The existing joint and/or cracks at the bottom and the sides of the dowel bar slot shall be sealed with an approved caulking filler to prevent any of the backfill material from entering these areas. Prior to sealing, the surfaces receiving the caulking filler shall be clean and free of moisture. The caulking filler shall not extend beyond 3/8" of each side of the existing joint or crack.

Placing Reinforcing Steel in Slot. The Contractor shall prevent contamination of the cleaned slot before and during placing of the reinforcing steel to limit the potential of bonding loss with the backfill material. The reinforcing steel shall be placed to within 1/2" of the midpoint of the slab. The reinforcing steel shall be placed perpendicular to the traffic lane centerline and the top of the roadway surface within a tolerance of 1/4" per 12" of reinforcing steel length. The reinforcing steel shall be centered at the longitudinal joint or crack, such that at least 12" of the reinforcing steel extends into each adjacent panel.

A foam core insert shall be placed at the middle of the reinforcing steel and 2" below the surface of the pavement. The insert shall be placed so it covers the existing longitudinal joint or crack and is capable of remaining in a vertical position, tight to all edges during backfill placement operations. The joint or crack shall be re-established above the foam core insert of backfill placement by means of sawing when the backfill material has hardened sufficiently.

Mixing and Placing Backfill Material. The backfill material shall be handled, mixed, placed, and cured in accordance with the manufacturer's recommendations.

The Contractor shall take extreme care regarding backfill material mix proportions, water cement ratio, and the condition of the mixing equipment as improper mix proportioning and/or inefficient mixing apparatus can result in premature deterioration of the backfill material. When using auger type mixing equipment, steps shall be taken to keep the auger flights free from material buildup, causing inefficient mixing operations. Volumetric mixing operations may be allowed such as mobile mixers with the approval of the Engineer.

Each reinforcing steel slot will be filled with backfill material after placement of the caulking filler, the reinforcing steel, and the foam core insert. The Contractor shall ensure that the foam core inserts remain upright and over the existing joint or crack during the backfill process. The backfill material shall be vibrated with a small hand held vibrator capable of thoroughly consolidating the backfill material into the slot around the reinforcing steel.

The Contractor shall slightly overfill the slot and finish the surface of the filled slot level with the existing concrete. The backfill material shall immediately be cured in accordance with the backfill manufacturer's recommendations.

Sealing Joints and Cracks. After the backfill material has set to the compressive strength requirements, the Contractor shall seal joints and cracks with an approved hot-pour sealant.

Method of Measurement and Basis of Payment:

Longitudinal steel retrofit is measured by each reinforcing steel installed and accepted. The contract unit price paid for each reinforcing steel includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals involved in placing longitudinal steel retrofit, complete in place including: saw cutting of concrete; removal and disposal of concrete; reinforcing steel; core inserts and caulking filler; surface preparation; supplying, mixing, finishing, and curing backfill material; and joint sealant material.

12/7/16

503543 - NIGHTTIME P.C.C. PATCHING SURCHARGE, NEW CASTLE COUNTY
503544 - NIGHTTIME P.C.C. PATCHING SURCHARGE, KENT COUNTY
503545 - NIGHTTIME P.C.C. PATCHING SURCHARGE, SUSSEX COUNTY

Description:

The item(s) Nighttime P.C.C. Paving Surcharge consist of compensating the Contractor for the cost differential for nighttime P.C.C. patching when such work is directed by the Department to be performed outside the Contractor's normal working hours. For the purpose of these items, the normal work hours are considered to be from 7 a.m. to 5 p.m.

All requirements of Section 503 shall be applicable to these items except as modified herein and in the P.C.C. Patching Special Provisions.

Method of Measurement:

The Contractor will be paid an additional amount per square yard (square meter) as a surcharge over the Contract unit price bid for each type of P.C.C. patching items to be used including paving surcharge for that particular zone.

Basis of Payment:

The payment for the item will be made at the Contract unit price per square yard (square meter) bid for the item "Nighttime P.C.C. Patching Surcharge" for the applicable Zones in the Contract, which price will be full compensation. All costs such as, but not limited to, illumination and premium pay costs shall be incidental to these items.

12/7/16

- 763544 - ROAD LOCATION MOBILIZATION, ZONE 1
- 763545 - ROAD LOCATION MOBILIZATION, ZONE 2
- 763546 - ROAD LOCATION MOBILIZATION, ZONE 3
- 763547 - ROAD LOCATION MOBILIZATION, ZONE 4
- 763548 - ROAD LOCATION MOBILIZATION, ZONE 5
- 763549 - ROAD LOCATION MOBILIZATION, ZONE 6
- 763550 - ROAD LOCATION MOBILIZATION, ZONE 7
- 763551 - ROAD LOCATION MOBILIZATION, ZONE 8
- 763552 - ROAD LOCATION MOBILIZATION, ZONE 9
- 763553 - ROAD LOCATION MOBILIZATION, ZONE 10
- 763554 - ROAD LOCATION MOBILIZATION, ZONE 11
- 763555 - ROAD LOCATION MOBILIZATION, ZONE 12
- 763556 - ROAD LOCATION MOBILIZATION, ZONE 13
- 763557 - ROAD LOCATION MOBILIZATION, ZONE 14
- 763558 - ROAD LOCATION MOBILIZATION, ZONE 15
- 763559 - ROAD LOCATION MOBILIZATION, ZONE 16
- 763560 - ROAD LOCATION MOBILIZATION, ZONE 17
- 763561 - ROAD LOCATION MOBILIZATION, ZONE 18
- 763562 - ROAD LOCATION MOBILIZATION, ZONE 19

Description:

This Pay Item consists of compensating the Contractor for each re-mobilization of all equipment and accessories between work locations.

This Pay Item for Road Location Mobilization is only payable for work related to patching and associated material removal operations. Mobilization for all other work shall be incidental to their respective pay items.

Method of Measurement:

"One mobilization fee shall be paid for each move into a mobilization zone, which shall cover all locations within that mobilization zone, and all work orders issued within that zone. A separate mobilization fee **will not** be paid for each individual location. No mobilization fee will be paid if a new work order is issued while work on a previous work order is ongoing in that zone. A separate mobilization fee will only be paid if the Contractor is directed by the Department to move from the mobilization zone in which he is presently working, or inclement weather causes a substantial delay in work. A substantial delay due to inclement weather shall be defined as fourteen or more calendar days. Payment of any mobilization fees shall be agreed upon between the Contractor and the Department, in writing, prior to commencement of work.

Basis of Payment:

The number of Road Location Mobilizations shall be paid at the Contract unit price per each. Price and payment shall constitute full compensation for all material, labor, equipment, tools and incidentals required to complete the work.

12/7/16



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. BOX 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

November 23, 2016

ENVIRONMENTAL REQUIREMENTS

FOR
State Contract No. T201706401
Federal Aid No.: N/A

Contract Title: PCC Patching, North, Open End, FY 17-19

Due to the nature of the proposed construction activities, permits are not required for this project. However, the following construction requirements and special provisions have been developed to minimize and mitigate impact to the surrounding environs. These requirements by DelDOT, not specified within the contract, are listed below. These requirements are the responsibility of the contractor and are subject to risk of shut down at the contractor's expense if not followed.

GENERAL REQUIREMENTS:

1. All construction debris, excavated material, brush, rocks, and refuse incidental to such work shall be placed either on shore above the influence of flood waters or on some suitable dumping ground.
2. That effort shall be made to keep construction debris from entering adjacent waterways or wetlands. Any debris that enters those areas shall be removed immediately.
3. The disposal of trees, brush, and other debris in any stream corridor, wetland, surface water, or drainage area is prohibited.
4. As locations are identified they will be submitted to the Environmental Studies Office to determine if any cultural resources may be affected and what compliance documentation and/or approvals are needed. Likewise natural resource evaluations will be undertaken to determine permit requirements, RTE issues, time of year restrictions for birds and/or fisheries resources, etc. No work will take place until all permits and approvals have been acquired and an Environmental Statement has been prepared for the individual location.

Notes in the contract document will specify that no work could begin until written approval is received from the ESO.

5. DelDOT Environmental Studies Section (302) 760-2264 must be notified if there are any changes to the project methods, footprint, materials, or designs, to allow the Department to coordinate with the appropriate resource agencies (COE, DNREC, and SHPO), for approval.

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

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

SECTION 0001 PATCHING ITEMS

0010	202000 EXCAVATION AND EMBANKMENT	CY	75.000			
0020	202004 UNDERCUT EXCAVATION, PATCHING	CY	150.000			
0030	207000 STRUCTURAL EXCAVATION	CY	20.000			
0040	209004 BORROW, TYPE C	CY	100.000			
0050	211001 REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	SY	300.000			
0060	301002 GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	CY	150.000			
0070	401026 BITUMINOUS CONCRETE, SUPERPAVE TYPE C, 160 GYRATIONS PG 64-22 PATCHING	TON	40.000			
0080	401028 BITUMINOUS CONCRETE, SUPERPAVE BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS PG 64-22 PATCHING	TON	25.000			

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0090	402000 BITUMINOUS CONCRETE PATCHING	200.000 SYIN				
0100	403000 BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	25.000 TON				
0110	503001 PATCHING PCC PAVEMENT, 6' TO 15', TYPE A	6000.000 SY				
0120	503002 PATCHING PCC PAVEMENT, 15' TO 100', TYPE B	6000.000 SY				
0130	503004 PATCHING PCC PAVEMENT, (UNDERCUTTING)	800.000 SYIN				
0140	503006 DOWEL BARS	5000.000 EACH				
0150	503513 DOWEL BAR RETROFIT	100.000 EACH				
0160	503514 LONGITUDINAL STEEL RETROFIT	10.000 EACH				
0170	503543 NIGHTTIME P.C.C. PATCHING SURCHARGE, NEW CASTLE COUNTY	100.000 SY				
0180	504001 CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	20000.000 LF				

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0190	504002 CRACK AND JOINT SEALING, 3/4 INCH TO 1 3/4 INCH WIDE	300.000 LF				
0200	505000 PCC PATCHING, PARTIAL DEPTH	500.000 SYIN				
0210	602035 MANHOLE, ROUND	1.000 EACH				
0220	602100 REPLACE DRAINAGE INLET GRATE(S)	2.000 EACH				
0230	602101 REPLACE DRAINAGE INLET FRAME(S)	2.000 EACH				
0240	602130 ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	40.000 EACH				
0250	602132 ADJUSTING AND REPAIRING EXISTING MANHOLE	20.000 EACH				
0260	701015 I.P.C.C. CURB AND GUTTER, TYPE 1-2	200.000 LF				
0270	701016 I.P.C.C. CURB AND GUTTER, TYPE 1-4	200.000 LF				
0280	701019 I.P.C.C. CURB AND GUTTER, TYPE 2	100.000 LF				
0290	707001 RIPRAP, R-4	25.000 SY				

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	708003 GEOTEXTILES, RIPRAP	25.000 SY				
0310	710002 ADJUST WATER VALVE BOXES	3.000 EACH				
0320	760010 PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	300.000 SYIN				
0330	762000 SAW CUTTING, BITUMINOUS CONCRETE	100.000 LF				
0340	762001 SAW CUTTING, CONCRETE, FULL DEPTH	20000.000 LF				
0350	762004 BUTT JOINTS	20.000 SY				
0360	763000 INITIAL EXPENSE/DE-MOBILIZATION	LUMP		LUMP		
0370	763544 ROAD LOCATION MOBILIZATION, ZONE 1	5.000 EACH				
0380	763545 ROAD LOCATION MOBILIZATION, ZONE 2	5.000 EACH				
0390	763546 ROAD LOCATION MOBILIZATION, ZONE 3	5.000 EACH				

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0400	763548 ROAD LOCATION MOBILIZATION, ZONE 5	1.000 EACH				
0410	801000 MAINTENANCE OF TRAFFIC	LUMP	LUMP			
0420	802003 ARROW PANELS TYPE C	200.000 EADY				
0430	803001 FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	200.000 EADY				
0440	804001 FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY (FLOOD LIGHTS)	15.000 EADY				
0450	805001 PLASTIC DRUMS	15000.000 EADY				
0460	806001 TRAFFIC OFFICERS	150.000 HOUR	75.00000		11250.00	
0470	808002 FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	10.000 EADY				
0480	810001 TEMPORARY WARNING SIGNS AND PLAQUES	3000.000 EADY				
0490	811001 FLAGGER, NEW CASTLE COUNTY STATE	6000.000 HOUR				

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0500	811013 FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	100.000 HOUR				
0510	813001 TEMPORARY BARRICADES, TYPE III	3000.000 LFDY				
0520	817003 TEMPORARY MARKINGS, PAINT, 4"	2500.000 LF				
0530	817004 TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	150.000 SF				
0540	817009 TEMPORARY MARKINGS, TAPE, 4"	2000.000 LF				
0550	817010 TEMPORARY MARKINGS, TAPE, WORDS/SYMBOLS	250.000 LF				
0560	817012 RETROREFLECTIVE PREFORMED PATTERNED MARKINGS, SYMBOL/LEGEND	35.000 SF				
0570	817013 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	5000.000 LF				
0580	817018 PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK, 3"	1000.000 LF				

CONTRACT ID: T201706401.01 PROJECT(S): T201706401

All figures must be typewritten.

CONTRACTOR :

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0590	846001 FURNISH & INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	100.000 LF				
0600	905001 SILT FENCE	100.000 LF				
0610	905004 INLET SEDIMENT CONTROL, DRAINAGE INLET	150.000 EACH				
0620	905005 INLET SEDIMENT CONTROL, CURB INLET	150.000 EACH				
0630	908004 TOPSOIL, 6" DEPTH	40.000 SY				
0640	908014 PERMANENT GRASS SEEDING, DRY GROUND	100.000 SY				
	SECTION 0001 TOTAL					
	TOTAL BID					

CANNOT BE USED FOR BIDDING

**AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED, NOTARIZED, AND RETURNED WITH YOUR BID.

CERTIFICATION
Contract No. T201706401.01

The undersigned bidder, _____
whose address is _____
and telephone number is _____ hereby certifies the following:

I/We have carefully examined the location of the proposed work, the proposed plans and specifications, and will be bound, upon award of this contract by the Department of Transportation, to execute in accordance with such award, a contract with necessary surety bond, of which contract this proposal and said plans and specifications shall be a part, to provide all necessary machinery, tools, labor and other means of construction, and to do all the work and to furnish all the materials necessary to perform and complete the said contract within the time and as required in accordance with the requirements of the Department of Transportation, and at the unit prices for the various items as listed on the preceding pages.

The foregoing quantities are considered to be approximate only and are given as the basis for comparison of bids. The Department of Transportation may increase or decrease the amount of any item or portion of the work as may be deemed necessary or expedient. Any such increase or decrease in the quantity for any item will not be regarded as a sufficient ground for an increase or decrease in the unit prices, nor in the time allowed for the completion of the work, except as provided in the contract.

Accompanying this proposal is a surety bond or a security of the bidder assigned to the Department of Transportation, for at least ten (10) percentum of total amount of the proposal, which deposit is to be forfeited as liquidated damages in case this proposal is accepted, and the undersigned shall fail to execute a contract with necessary bond, when required, for the performance of said contract with the Department of Transportation, under the conditions of this proposal, within twenty (20) days after date of official notice of the award of the contract as provided in the requirement and specifications hereto attached; otherwise said deposit is to be returned to the undersigned.

I/We are licensed, or have initiated the license application as required by Section 2502, Chapter 25, Title 30, of the Delaware Code.

By submission of this proposal, each bidder and each person signing on behalf of any bidder, certifies as to its own organization, under penalty of perjury, that to the best of each signer's knowledge and belief:

1. The prices in this proposal have been arrived at independently without collusion, consultation, communication, or Agreement with any other bidder or with any competitor for the purpose of restricting competition.
2. Unless required by law, the prices which have been quoted in this proposal have not been knowingly disclosed and will not knowingly be disclosed by the bidder, directly or indirectly, to any other bidder or competitor prior to the opening of proposals.
3. No attempt has been made or will be made by the bidder to induce any other person, partnership, or corporation to submit or not to submit a proposal for the purpose of restricting competition.

=====

I/We acknowledge receipt and incorporation of addenda to this proposal as follows:

No.	Date								
-----	------	-----	------	-----	------	-----	------	-----	------

=====

BIDDERS MUST ACKNOWLEDGE RECEIPT OF ALL ADDENDA

MUST INSERT DATE OF FINAL QUESTIONS AND ANSWERS ON WEBSITE: _____

=====



AFFIRMATION:

Within the past five (5) years, has your firm, any affiliate, any predecessor company or entity, owner, Director, officer, partner or proprietor been the subject of a Federal, State, Local government suspension or debarment?

YES _____ **NO** _____ if yes, please explain _____

Sealed and dated this _____ day of _____ in the year of our Lord two thousand _____ (20____).

Name of Bidder (Organization)

Corporate
Seal

By:

Authorized Signature

Attest _____

Title

SWORN TO AND SUBSCRIBED BEFORE ME this ____ day of _____, 20____.

Notary
Seal

Notary

CANNOT BE
USED FOR
BIDDING

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____

of _____ in the County of _____ and State of _____
as **Principal**, and _____ of _____ in the County of
_____ and State of _____ as **Surety**, legally authorized to do business in the
State of Delaware ("**State**"), are held and firmly bound unto the **State** in the sum of _____
Dollars (\$ _____), or _____ percent not to exceed _____

_____ Dollars (\$ _____) of amount of bid on Contract No.
T201706401.01, to be paid to the **State** for the use and benefit of its Department of Transportation ("**DelDOT**") for
which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators,
and successors, jointly and severally for and in the whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bounden **Principal**
who has submitted to the **DelDOT** a certain proposal to enter into this contract for the furnishing of certain materiel
and/or services within the **State**, shall be awarded this Contract, and if said **Principal** shall well and truly enter into
and execute this Contract as may be required by the terms of this Contract and approved by the **DelDOT**, this
Contract to be entered into within twenty days after the date of official notice of the award thereof in accordance
with the terms of said proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this _____ day of _____ in the year of our Lord
two thousand and _____ (20____).

SEALED, AND DELIVERED IN THE
presence of

Name of Bidder (Organization)

Corporate
Seal

By:

Authorized Signature

Attest _____

Title

Name of **Surety**

Witness: _____

By:

Title