

## **REFERENCED DOCUMENTS**

Contract No. T202501101.02

### **OPEN-END PEDESTRIAN ACCESS ROUTES & SIDEWALK IMPROVEMENTS, NCC FY25-FY27**

This page contains the referenced documents in the proposal for the above-mentioned contract.

- PREVAILING WAGE RATES
  - State of Delaware Wage Rates
- SPECIAL PROVISIONS LIST
- ITEMS LIST (Quantity Summary Sheets)

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PREVAILING WAGES FOR HIGHWAY CONSTRUCTION EFFECTIVE MARCH 13, 2026

CLASSIFICATION	NEW CASTLE	KENT	SUSSEX
BRICKLAYERS	68.29	68.29	73.01
CARPENTERS	69.62	64.06	52.30
CEMENT FINISHERS	74.68	45.80	46.69
ELECTRICAL LINE WORKERS	37.71	60.93	29.82
ELECTRICIANS	86.87	86.87	86.87
IRON WORKERS	91.78	33.47	35.55
LABORERS	58.11	53.49	52.49
MILLWRIGHTS	22.60	21.94	18.96
PAINTERS	84.99	84.99	84.99
PILEDRIVERS	100.98	33.34	93.69
POWER EQUIPMENT OPERATORS	87.03	55.57	50.91
SHEET METAL WORKERS	31.93	28.51	25.80
TRUCK DRIVERS	54.70	39.63	48.26

CERTIFIED:

6/15/2026

BY:

*[Signature]*  
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) 318-2769.

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

PROJECT: T202501101.02, Open-End Pedestrian Access Routes and Sidewalks Imprv. NCC  
FY25-FY27, New Castle County



**SPECIAL PROVISIONS**

<b>S.P. Code</b>	<b>SPECIAL PROVISION DESCRIPTION</b>
211501-25	TREE REMOVAL, 6" TO 15" DIAMETER
211502-25	TREE REMOVAL, GREATER THAN 25" TO 37" DIAMETER
211513-25	TREE TRIMMING
401502-25	ASPHALT CEMENT COST ADJUSTMENT
602502-25	CONVERTING EXISTING CATCH BASIN TO MANHOLE
701505-25	PCC PARKING BUMPER
701507-25	CURB RETAINING WALL
701510-25	CURB/SIDEWALK OPENING
710503-25	ADJUST GAS VALVE BOXES
711500-25	ADJUST AND REPAIR EXISTING SANITARY MANHOLE
711502-25	ADJUST AND REPAIR EXISTING SANITARY CLEANOUT
720556-25	BOLLARD
760506-25	REMOVAL OF 1/4" TO 1" VERTICAL DISCONTINUITIES IN THE PAR
763520-25	ELECTRONIC TICKETING
763525-25	ROAD USER COST
763530-25	INITIAL EXPENSE
763531-25	WORK ORDER MOBILIZATION AND DE-MOBILIZATION
763622-25	CONSTRUCTION ENGINEERING, PAR REHABILITATION
806500-25	TRAFFIC OFFICERS
813501-25	TEMPORARY SIDEWALK, TYPE 2 (BOARDWALK)
832508-25	PROVIDE AND INSTALL 2-CONDUCTOR # 14 AWG ALUMINUM SHIELDED CABLE

**211500 - TREE REMOVAL, 6" TO 15" DIAMETER**

**211501 - TREE REMOVAL, GREATER THAN 15" TO 25" DIAMETER**

**211502 - TREE REMOVAL, GREATER THAN 25" TO 37" DIAMETER**

**211503 - TREE REMOVAL, GREATER THAN 37" TO 49" DIAMETER**

**211504 - TREE REMOVAL, GREATER THAN 49" DIAMETER**

**Description:**

This work consists of removing and disposing of trees with a diameter over 6".

**Construction.**

- A. The appropriate construction methods of Section 201 shall apply to this work. Final determination for removal of trees will be made by the engineer during the construction operation. Tree removal shall consist of felling a single tree by size classifications and the removal of stumps below the surrounding ground line. All portions or remnants of the tree and stump shall be completely removed from highway right-of-way and abutting properties. or as directed by the engineer.
- B. All portions or remnants of the tree shall become the property of the Contractor and shall be removed from the right-of-way and abutting properties at the close of each working day. All stumps, which cannot be removed the same day as felling, shall be cut flush with the ground prior to the end of work that day. All right-of-way removal sites shall be restored to preconstruction condition, satisfactory to the engineer, if ground disturbance, such as ruts or sod damage occurs during removal in areas not to be disturbed by grading operations.

**Method of Measurement.**

The quantity of trees for removal will be measured as the actual number of trees acceptably removed. The trunk diameter for all trees will be measured at a point 4' - 6" above the ground. For multiple-trunk trees that branch below the standard 4'-6" measurement, the diameter will be measured at the point immediately below the branching split or juncture. The diameter of the tree will be determined from the circumference of the tree as measured above.

**Basis of Payment.**

- A. The Department will pay for of trees designated for tree removal at the contract unit price per each tree by category, as follows:
  - 1. 6" to 15" diameter;
  - 2. greater than 15" to 25" diameter;
  - 3. greater than 25" to 37" diameter;
  - 4. greater than 37" to 49" diameter; and
  - 5. greater than 49" diameter.
- B. Price and payment will constitute full compensation for:
  - 1. removal of designated trees;

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2. restoration of ground disturbance in right-of-way removal sites; and
  3. all labor, equipment, tools, and incidentals required to complete the Work.
- C. Trees with a diameter of 6" and under will be removed under Section 201.

7/18/2024

**211513 – TREE TRIMMING**

**Description:**

This work consists of pruning tree branches and/or shrubs.

**Construction Method:**

- A. Prune tree branches and/or shrubs to maintain the vertical and horizontal clearances, unless otherwise directed by the engineer:
1. 20-feet above the roadway elevation.
  2. 10-feet above the sidewalk elevation, and 2-feet horizontally from both edges.
  3. 10-feet above the shared use path elevation, and 2-feet horizontally from both edges.
- B. Prune in accordance with ANSI A300 Pruning Standards.
- C. Dispose of all trimming in accordance with Section 106.8.

**Method of Measurement:**

The Department will measure tree trimming by the linear foot parallel to the right of way regardless of how far the branches reach into the State right of way.

**Basis of Payment:**

The Department will pay for tree trimming at the contract unit price per linear foot. Price and payment will constitute full compensation for trimming, removal of trimmed materials, and incidentals required to complete the Work.

2/1/2024

**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 [https://deldot.gov/Business/bids/index.shtml?dc=asphalt\\_cement\\_english](https://deldot.gov/Business/bids/index.shtml?dc=asphalt_cement_english).

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.

If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted workday, 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.

12/14/2020

**602502 - CONVERTING EXISTING CATCH BASIN TO MANHOLE**

**Description:**

This work consists of providing all materials and constructing a manhole from an existing catch basin.

**Materials:**

A. PCC, Class A or B	Section 1022
B. Expansion Joint Material	Section 1042
C. Bar Reinforcement	Section 611 and Section 1037
D. Curing Compound	Section 1022
E. Welding	AASHTO / AWS D1.1 Welding Code
F. Castings	Section 1039.07
G. Steps	AASHTO M199 and ASTM C478
H. Borrow, Type C	Section 1001
I. Rectangular Precast Structures	ASTM C913
J. Expansion Joint Material	Section 1042

**Construction:**

Construct in accordance with section 602.3

**Method of Measurement:**

The Department will measure the quantity of catch basins converted to manholes and accepted.

**Basis of Payment:**

- A. The Department will pay the quantity of catch basins converted to manholes. Price and payment will constitute full compensation for:
1. Saw-cutting;
  2. reinforcing steel;
  3. frames and covers;
  4. excavating within the template of the item;
  5. removal and disposal of existing materials;
  6. providing and placing materials;
  7. forms and forming;
  8. supplying, placing, finishing, and curing PCC;

9. joints;
10. expansion joint material;
11. sealing;
12. backfilling;
13. all labor, equipment, tools, and incidentals necessary to complete the item.

8/16/2021

**701505 - PORTLAND CEMENT CONCRETE PARKING BUMPER**

**Description:**

This work consists of providing and installing PCC parking bumpers.

**Materials:**

- |                      |                      |
|----------------------|----------------------|
| A. PCC, Class B      | Section 1022         |
| B. Bar Reinforcement | Section 611 and 1037 |

**Construction:**

- A. Prepare the surface to provide a stable installation of the bumpers.
- B. Place the PCC parking bumper at the location shown on the Plans, and as instructed by the engineer.
- C. Drive two, #3 rebar anchors to the depth specified in the Standard Construction Details, and flush with the top elevation of the bumper.

**Method of Measurement:**

- A. The Department will measure PCC parking bumpers as the number of bumpers installed and accepted.

**Basis of Payment:**

- A. The Department will pay the quantity of PCC parking bumpers at the contract unit price per each. Price and payment will constitute full compensation for:
  1. Providing and placing all materials;
  2. surface preparations;
  3. installing the anchor pins and bumper; and
  4. all incidentals required to complete the Work.

9/5/2023

**701507 – CURB RETAINING WALL**

**Description:**

This work consists of providing all materials and constructing the curb retaining wall.

**Materials:**

A. Concrete Structures	Section 610
B. Concrete Reinforcement	Section 611
C. Curing Compound	Section 1022
D. 1/2-inch Preformed Expansion Joint Material	Section 1042
E. Bituminous Joint Sealant	Section 1042

**Construction:**

Place curb retaining wall in accordance with the Plans and the Standard Construction Details.

**Method of Measurement:**

The Department will measure the quantity of curb retaining wall in linear foot.

**Basis of Payment:**

- A. The Department will pay for curb retaining wall at the contract unit price per linear foot. Price and payment will constitute full compensation for:
1. Providing and placing materials;
  2. excavating within the template of the item;
  3. backfill and backfilling;
  4. foundation preparation;
  5. compaction;
  6. providing forms and forming; and
  7. removal of surplus material and replacement of cracked or damaged curb retaining wall.
- B. The Department will pay for:
1. Excavation and embankment outside the template of the item in accordance with Section 202.
  2. Rock removal in accordance with Section 202.
  3. Undercut excavation in accordance with Section 202.
  4. PCC removal in accordance with Section 211.
  5. GABC in accordance with Section 301.
  6. Sawcutting in accordance with Section 762.

**701510 - CURB/SIDEWALK OPENING**

**Description.**

This work consists of providing all materials and constructing curb/sidewalk openings.

**Materials.**

A.	PCC, Class B	Section 1022
B.	Curing Compound	Section 1022
C.	1/2-inch Preformed Expansion Joint Material	Section 1042
D.	Bituminous Joint Sealant	Section 1042
E.	Bar Reinforcement	Section 611 and Section 1037

**Construction.**

Construct curb/sidewalk in accordance with Section 701.3 and 705.3

**Method of Measurement.**

The Department will measure the quantity of curb/sidewalk openings as the actual number installed in place and accepted.

**Basis of Payment.**

The Department will pay for curb/sidewalk openings at the contract unit price per each. Price and payment will constitute full compensation in accordance with Section 701.5 and 705.5.

12/1/2022

**710503 – ADJUST GAS VALVE BOXES**

**Description:**

This work consists of adjusting gas valve boxes.

**Construction:**

Adjust the gas valve box to be flush with the pavement surface in accordance with the contract or as directed by the engineer. Locate the valve box directly over the valve, plumb and level.

**Method of Measurement:**

The Department will measure the adjusting of gas valve boxes as the number of each adjusted.

**Basis of Payment:**

The Department will pay for the quantity of adjusted gas valve boxes at the contract unit price per each. Price and payment will constitute full compensation for all incidentals to complete the Work.

8/15/2024

**711500 - ADJUST AND REPAIR EXISTING SANITARY MANHOLE**

**Description.**

This work consists of adjusting and repairing existing sanitary manholes.

**Materials.**

- |                                       |                                |
|---------------------------------------|--------------------------------|
| A. Manhole frames, lids, and castings | Section 711 and Section 1039.7 |
| B. PCC, Class B                       | Section 1022                   |
| C. Bar Reinforcement                  | Section 1037                   |

**Construction.**

- A. Vertically adjust the sanitary manhole to be flush with the pavement or surrounding surface in accordance with the contract or as directed by the engineer.
- B. Repair any damage to the existing sanitary manhole to the satisfaction of the engineer and utility owner in accordance with Section 711.3
- C. If there is a conflict between the Department's specifications and the specifications of the utility owner, the utility owners specifications take precedence.

**Method of Measurement.**

The Department will measure the adjustment and repair of existing sanitary manholes as the number of each accepted.

**Basis of Payment**

The Department will pay for adjust and repair existing sanitary manholes at the contract unit price per each and in accordance with Section 711.5.

8/15/2024



**720556 - BOLLARD**

**Description:**

This work consists of providing and installing a bollard with removable shell.

**Materials:**

- A. Bollard.
  - 1. Shell
    - a. 4 3/4-inch O.D. polyethylene thermoplastic bollard cover.
    - b. Yellow in color.
  - 2. PVC Pipe
    - a. 4-inch, Schedule 40
  - 3. In-ground hardware
    - a. 5-inch, schedule 40 galvanized steel pipe.
    - b. 3/4-inchx13-inch rebar, welded horizontally to the base of the steel pipe.
- B. PCC, Class B Section 1022
- C. Stone, Delaware No. 57 Section 1004

**Construction:**

- A. Submit bollard cover's manufacturer's information to the engineer for approval prior to ordering materials.
- B. Weld rebar to the 5-inch steel pipe as shown in the Plans.
- C. Excavate a minimum 18-inch diameter hole, to the depth required to construct the footer, and in accordance with Section 202.
- D. Place 6-inch bed of Delaware No. 57 stone. Tamp stone to provide a suitable foundation.
- E. Place steel pipe with welded rebar vertically in the excavation and pour PCC, ensuring it is maintained plum and is fully encased by PCC.
- F. Finish and cure the PCC.
- G. Install PCV bollard in accordance with the Plans.
- H. Backfill the area around the bollard if necessary.
- I. Install the bollard shell.

**Method of Measurement:**

- A. The Department will measure bollards as the number of Each bollard installed and accepted.

**Basis of Payment:**

- A. The Department will pay the quantity of bollards at the contract unit price per each. Price and payment constitute full compensation for:
  - 1. Providing and placing all materials;
  - 2. providing and placing the sonotube, housing, and hardware;
  - 3. supplying, placing, finishing, and curing PCC;
  - 4. backfill and backfilling;
  - 5. disposal of excess excavation and materials; and
  - 6. all incidentals required to complete the Work.

**760506 – REMOVAL OF 1/4” to 1” VERTICAL DISCONTINUITIES IN THE PAR**

**DESCRIPTION:**

This work consists of eliminating vertical differences in the Pedestrian Access Route (PAR) greater than 1/4-inch and up to 1 inch.

**MATERIALS:**

Joint/ Crack Sealant Material                      Section 1042

**CONSTRUCTION METHODS:**

- A. Use a handheld or walk-behind diamond grinding machine suitable for use on PCC or other equipment approved by the engineer. Examine the integrity of the existing PCC sidewalk and measure the maximum vertical difference at the discontinuity before commencing work. Cease operation and contact the engineer if the vertical discontinuity exceeds 1 inch or if it is determined that the existing PCC is structurally inadequate to complete the work. Bevel existing PCC sidewalk to remove the vertical difference in accordance with Table 1.

Table 1. Maximum Allowable Slope of Bevel

Vertical Difference	Maximum Allowable Slope of Bevel
1/4” to 1/2”	2H:1V (50.0%)
Greater than 1/2” to 1”	12H:1V (8.33%)

- B. Bevel the entire length across the discontinuity to create a smooth continuous surface. Clean the surface and crack seal any residual horizontal gap.

**METHOD OF MEASUREMENT:**

The Department will measure the quantity of removal of 1/4-inch to 1 inch vertical discontinuities in the PAR as the linear feet length of discontinuity corrected, as well as all additional length required to make a single continuous plane along the discontinuity.

**BASIS OF PAYMENT:**

- A. The Department will pay for removal of 1/4-inch to 1 inch vertical discontinuities in the PAR at the contract unit price per linear foot. Price and payment will constitute full compensation for:
  - 1. Removing the vertical discontinuity;
  - 2. for the cleanup of the PCC sidewalk residue left from the grinding operation; and
  - 3. for all labor, tools, equipment, and incidentals to complete the Work.

**763520 - ELECTRONIC TICKETING**

**Description:**

This work consists of providing electronic data for material weight tickets delivered to the project. This work also consists of placing an identifying vehicle number on the driver side and the passenger or rear sides of the delivery vehicle. This does not preclude or dismiss any requirement for paper tickets required by the Standard Specifications or other rules and regulations.

**General Requirements:**

- A. Send electronic tickets (eTicket) to the Department’s Electronic Ticketing Portal <https://tickets.delldot.gov> as they are generated. The Department will reject any load that does not have a corresponding eTicket unless the cause is beyond the contractor’s control. In such circumstances paper tickets may be permitted at the discretion of the engineer.
- B. Payment for material weight delivered to the project will be based upon the eTickets marked “*Delivered*”, less waste, excess material weight as noted in 105.12 of the Standard Specifications, and any audit corrections.
- C. Do not reissue or reprint tickets that have been marked “*Delivered*” or “*Rejected*” without first notifying the engineer. The engineer may reject a reissued or reprinted ticket at their discretion. When a reissued or reprinted ticket is rejected, payment will be based upon the original ticket.

**Data Integration:**

Request a list of the Department’s naming nomenclature. Include in the request an identification of what system the supplier utilizes for its load read-out weighing system. If necessary, create an Application Programming Interface (API) to integrate with the Department’s eTicketing Portal. Utilize the API to provide electronic data from the load read-out weighing system at the material source that is readable by the Department’s eTicketing Portal. Update the load read-out weighing system and API as necessary to maintain connection the Department’s eTicketing Portal.

The data shall be provided as follows:

Reference Field No.	Description	Examples	Data Type	Required
1	Ticket Number	5126349, 101R, 539-19	String	Yes
2	Contract Number	T202011001	String	Yes

3	Contract Name (Job)	Walnut Street Streetscape Improvements	String	Yes
4	Contractor Name (Customer)	Mumford & Miller, Inc.; A Del Construction	String	Yes
5	Supplier Name	River Asphalt; Allan Myers Materials	String	Yes
6	Supplier Plant	Plant #1 Dagsboro; Dover Asphalt	String	Yes
7	Job Number (Location)	Task 1; Location 5	String	Yes
8	Weigh Master Name	Johnny Scales	String	Yes
9	Weigh Master ID	1234567	String	Yes
10	Left Intentionally Blank			No
11	Mix Design ID (Product)	1628p; AM-WILM-29 76-22	String	Yes
12	Material Type (Product Description)	9.5mm top; 19MM 76-22 NON CARB	String	Yes
13	Item No. (Product Code)	401005; 401016	String	Yes
14	Load Number	75	Number	Yes
15	Identifying Vehicle Number	T-1	String	Yes
16	Hauler	John Doe Trucking	String	Yes
17	Legal Gross Vehicle Weight	73,280	Number	Yes
18	Loading Date & Time	2020-06-15T13:45:30	String	Yes
19	Gross Weight	72,980	Number	Yes
20	Net Weight	27,900	Number	Yes
21	Truck Tare Weight	45,080	Number	Yes
22	Void	280	Number	No
23	Daily Running Total	44.43	Number	Yes

All provided weights shall be accurate to 0.01 tons.

Loads which do not have the required data shall be rejected.

**Setup and Calibration:**

Conduct a test of each supplier's integration with the Department's eTicketing Portal prior to shipping material. Complete test at least 14 days prior to shipping material unless otherwise approved by the engineer. The test must involve at least four calibration eTickets from each supplier approved for use on the project. The calibration eTickets must accurately reflect the categories 1-7 shown above; all other categories shall be marked "TEST". After the engineer confirms the calibration eTickets have been entered into the Department's eTicket Portal, void the eTickets with the reason "Calibration Testing".

**Uptime:**

Uptime reliability of the material supplier's ticketing system must be 99.5% over any 30-day rolling period. Uptime is defined as the ability for the Department to receive electronic tickets within a maximum of 10 minutes from when the ticket was created.

**Load Identification:**

Ensure the identifying vehicle numbers on the delivery vehicle correspond to the ticket. Place the numbers on the delivery vehicles such that at least one can be safely read from within the work area. Delivery vehicles without identifying vehicle numbers shall be rejected.

**Method of Measurement:**

The Department will not measure electronic ticketing.

**Basis of Payment:**

- A. The cost associated with creating and maintaining an API, providing electronic ticketing data, and placing identifying vehicle numbers on the delivery vehicles is incidental to the item being placed.
- B. The Department will make no payment for material that is rejected.

01/18/2022

**763525 – ROAD USER COST**

**Description:**

Road User Cost shall be assessed to compensate failure to open the project to unrestricted highway traffic on time in accordance with the contract's General Description.

**Method of Measurement:**

The Department will not measure Road User Cost.

**Basis of Payment:**

The assessment will be determined by the Road User Cost documentation in the General Description of the Contract.

8/3/23

**763530 – INITIAL EXPENSE**

**Description:**

Perform all operations necessary for the assembling and setting up of the project, any other activities required by the contract and by law or regulation, and all other work and operations that must be performed prior to beginning compensable items of work on the project. Obtain the required insurance and bonds, and all other items required for the start of work.

**Materials:**

Assume responsibility for the adequacy of all materials that are required to complete the required work.

**Construction Methods:**

Perform all work in a safe and workmanlike manner.

**Method of Measurement:**

This item will not be measured.

**Basis of Payment:**

Payment will be made at the lump sum unit bid price for “Initial Expense,” for which price and payment constitutes full compensation for all work associated with setting up of the project, any other activities required by the contract and by law or regulation, and all other work and operations that must be performed prior to beginning compensable items of work on the project and for furnishing all materials, labor, equipment and incidentals required to complete the work.

When the lump sum price for this item is less than or equal to 5 percent of the total bid price of the entire contract at the time of award (“Total bid price”), 45 percent of the item will be paid on each of the first two monthly estimates and 10 percent of the item will be paid on the final estimate. When the lump sum price for this item exceeds 5 percent of the total bid price, 2.25 percent of the total bid price will be paid on each of the first two monthly estimates; and that portion exceeding 5 percent of the total bid price, plus the remaining 1/2 percent of the total bid price, will be paid on the final estimate.

5/28/2026

**763531 – WORK ORDER MOBILIZATION AND DE-MOBILIZATION**

**DESCRIPTION:**

This work consists of mobilization and de-mobilization for work orders.

**MATERIALS:**

Assume responsibility for the adequacy of all materials that are required to assemble and set up the work order that are not to be a part of the completed work.

**CONSTRUCTION METHODS:**

- A. Perform all operations necessary for the assembling and setting up of the work order, including the initial movement of personnel and equipment to the work order site, the establishment of the offices, shops, plants, storage areas, and sanitary facilities, any other activities required by the contract and by law or regulation, and all other work and operations that must be performed prior to beginning compensable items of work on the work order.
- B. Perform all operations necessary for the final cleanup of the work order jobsite, for de-mobilization of all personnel and equipment, and for all paperwork necessary to close out the work order.

**METHOD OF MEASUREMENT:**

This Department will not measure this item.

**BASIS OF PAYMENT:**

The Department will pay for work order mobilization and de-mobilization at the contract unit price per each. Price and payment constitutes full compensation for all work associated with mobilizing and demobilizing the work order as described above and for providing all materials, labor, equipment and incidentals required to complete the work.

5/28/2026

**763622 - CONSTRUCTION ENGINEERING, PAR REHABILITATION**

**DESCRIPTION:**

Collect survey information and provide layout in accordance with the contract. Assume full responsibility for any errors and/or omissions in the work of all engineering staff employed.

Provide and have available for the project adequate engineering staff that is:

- A. Competent and experienced to set lines and grades needed to construct the project.
- B. Able to perform the work to the scope and magnitude outlined herein.

Construction engineering functions and requirements:

- A. Provide all necessary surveying equipment required for all engineering work on the project.
  - 1. Check all equipment/instruments prior to use on the project.
  - 2. Immediately replace or recalibrate equipment found to be out of adjustment or inadequate to perform its function to the satisfaction of the engineer.
- B. Perform all computations necessary to establish the exact position of the work from control points and preserve.
  - 1. Maintain adequate workbooks of all computations survey notes and other records.
  - 2. Make available to the Department, neat and legible, all computations, survey notes and other records necessary to accomplish the work.
- C. Provide preliminary topographic survey for all proposed curb ramp locations identified in the Plans and the layout of grade information required by the engineer for curb ramp construction.
- D. Obtain topographic information a minimum of 25 feet in each direction from the back of curb at proposed curb ramp locations.
  - 1. Grades for the edge of pavement, gutter line (if applicable), top of curb, front and back edge of sidewalk, existing obstructions such as utility poles, junction wells, traffic poles and cabinets, manholes, valves, fire hydrants, drainage inlets, steps, retaining walls, building faces or other obstructions that are directly adjacent or within the proposed curb ramp limits.
  - 2. Collect data in a format that is compatible with the Departments design standards and submit to the engineer for evaluation of curb ramps that are located in areas with multiple obstructions, limited area, or other unique characteristics that require more detailed layout. The engineer will provide the final grades for construction of these curb ramps.
  - 3. Establish necessary grades to ensure all proposed curb ramps, roadways or ditches,

installation of drainage structures, or other items of work as determined by the engineer, have positive drainage.

**Note:**

Professional services performed under this item by individuals/firms other than the Contractor are not subject to the subcontracting requirements of Subsection 108.1.

**METHOD OF MEASUREMENT:**

The Department will measure construction engineering – PAR rehabilitation as the number of office hours verified by invoice and/or as the actual number of hours the survey crew is in the field actively engaged in construction engineering – PAR rehabilitation work.

**BASIS OF PAYMENT:**

The Department will pay for construction engineering – PAR rehabilitation at the contract unit price per hour. Price and payment constitutes full compensation for providing all labor, equipment, instruments, stakes, and other material necessary to satisfactorily complete the work.

1/17/25  
Construction & Planning

**806500 – TRAFFIC OFFICERS**

**Description:**

In accordance with Section 806.1.

**Materials:**

Not applicable.

**Construction:**

In accordance with Section 806.3.

**Method of Measurement:**

In accordance with Section 806.4.

**Basis of Payment:**

- A. The Department will pay for traffic officers at the contract unit price per hour. Price and payment constitute full compensation for providing traffic officers, vehicles, and equipment.
- B. For bidding purposes, the Department has fixed the unit price at \$180.00 per hour. The Department will pay for traffic officers based on a submitted invoice from the police department plus 10 percent.

07/17/2025

**813501 - TEMPORARY SIDEWALK – TYPE 2 (BOARDWALK)**

**DESCRIPTION:**

This work consists of the installation of temporary sidewalk – type 2.

**MATERIALS:**

- |                                |              |
|--------------------------------|--------------|
| A. Treated Lumber and hardware | Section 1041 |
| B. Topsoil                     | Section 908  |
| C. Seeding                     | Section 908  |

**CONSTRUCTION:**

- A. Construct a temporary wooden walkway to maintain pedestrian traffic through the work zone in accordance with the requirements of the Americans with Disabilities Act, locations, notes and details in the Plans and as directed by the engineer
- B. Remove the temporary sidewalk, restore the area when it is no longer needed and dispose of all materials in accordance with Subsection 106.8.

**METHOD OF MEASUREMENT:**

The Department will measure the quantity of Temporary Sidewalk – Type 2 in linear feet.

**BASIS OF PAYMENT:**

- A. The Department will pay for the Temporary Sidewalk – Type 2 at the contract unit price per linear foot. Price and payment will constitute full compensation for:
  - 1. Providing and placing all materials;
  - 2. Constructing and maintaining the temporary sidewalk;
  - 3. removal and disposal of temporary sidewalk;
  - 4. restoration; and
  - 5. incidentals required to complete the Work.

**832508 – PROVIDE AND INSTALL 2-CONDUCTOR # 14 AWG ALUMINUM SHIELDED CABLE**

**Description:**

This work consists of providing and installing loop detector home run cable.

**Materials:**

- |   |                  |
|---|------------------|
| A. Electrical cable, 2-Conductor # 14 AWG Aluminum Shielded Cable | Section 1074.1.D |
| B. Splicing   | Section 1074 .2  |

**Construction Method:**

Install cable in accordance with Section 832.3.

**Method of Measurement:**

The Department will measure provide and install 2-Conductor # 14 AWG Aluminum Shielded Cable in accordance with Section 832.4.A.

**Basis of Payment:**

The Department will pay for provide and install 2-Conductor # 14 AWG Aluminum Shielded Cable in accordance with Section 832.5.A.

01/30/2025



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Item Number	Description	Unit	Quantity
819003	INSTALL OR REMOVE TRAFFIC SIGNS	EACH	113
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	TON	40
760506	REMOVAL OF 1/4" TO 1" VERTICAL DISCONTINUITIES IN THE PAR	LF	10
711502	ADJUST AND REPAIR EXISTING SANITARY CLEANOUTS	EACH	1
831055	PROVIDE AND INSTALL 4" HDPE SDR 13.5 CONDUIT (BORE)	LF	240
831060	PROVIDE AND INSTALL 1-1/2" GALVANIZED STEEL CONDUIT (TRENCH)	LF	20
201000	CLEARING AND GRUBBING	LS	1
202000	EXCAVATION AND EMBANKMENT	CY	1741
209006	BORROW, TYPE F	CY	297
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	SY	2617
211501	TREE REMOVAL, GREATER THAN 15" TO 25" DIAMETER	EACH	1
211502	TREE REMOVAL, GREATER THAN 25" TO 37" DIAMETER	EACH	1
211513	TREE TRIMMING	LF	810
301001	GABC	CY	867
301002	GABC, PATCHING	CY	274

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Item Number	Description	Unit	Quantity
401005	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (CARBONATE STONE)	TON	101
401014	SUPERPAVE TYPE B, PG 64-22	TON	44
401021	SUPERPAVE TYPE BCBC, PG 64-22	TON	71
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	TON	114
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	TON	181
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	TON	295
401044	SUPERPAVE TYPE C, 9.5 mm, PG 64-22 (NON-CARBONATE STONE)	TON	262
601032	REINFORCED CONCRETE PIPE, 15", CLASS IV	LF	96
601035	REINFORCED CONCRETE PIPE, 24", CLASS IV	LF	12
602005	DRAINAGE INLET, 48" X 48"	EACH	1
602004	DRAINAGE INLET, 48" X 30"	EACH	3
602100	DRAINAGE INLET GRATE(S)	EACH	2
602101	DRAINAGE INLET FRAME(S)	EACH	2
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	EACH	4
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	EACH	1
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	EACH	11
602502	CONVERTING EXISTING CATCH BASIN TO MANHOLE	EACH	1

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Item Number	Description	Unit	Quantity
607012	CONCRETE MASONRY UNIT MODULAR BLOCK RETAINING WALLS	SF	430
626010	ALUMINUM PEDESTRIAN RAILING	LF	237
701011	PCC CURB, TYPE 1-4	LF	405
701012	PCC CURB, TYPE 1-6	LF	542
701013	PCC CURB, TYPE 1-8	LF	781
701014	PCC CURB, TYPE 2	LF	8
701016	I.PCC CURB AND GUTTER, TYPE 1-4	LF	76
701017	I.PCC CURB AND GUTTER, TYPE 1-6	LF	880
701018	I.PCC CURB AND GUTTER, TYPE 1-8	LF	23
701019	I.PCC CURB AND GUTTER, TYPE 2	LF	82
701021	I.PCC CURB AND GUTTER, TYPE 3-4	LF	68
701022	I.PCC CURB AND GUTTER, TYPE 3-6	LF	1021
701023	I.PCC CURB AND GUTTER, TYPE 3-8	LF	671
701505	PCC PARKING BUMPER	EACH	10
701507	CURB RETAINING WALL	LF	163
701510	CURB/SIDEWALK OPENING	EACH	9
705001	PCC SIDEWALK, 4"	SF	35040

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Item Number	Description	Unit	Quantity
705002	PCC SIDEWALK, 6"	SF	8977
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	SF	519
706000	MONUMENT	EACH	4
706001	RELOCATE MONUMENT	EACH	1
706002	RIGHT-OF-WAY MARKER, CAPPED REBAR	EACH	20
707001	RIPRAP, R-4	SY	85
708003	GEOTEXTILES, RIPRAP	SY	87
709001	PERFORATED PIPE UNDERDRAINS, 6"	LF	894
710001	ADJUST WATER SERVICES	EACH	1
710002	ADJUST WATER VALVE BOXES	EACH	12
710503	ADJUST GAS VALVE BOXES	EACH	4
711500	ADJUST AND REPAIR EXISTING SANITARY MANHOLE	EACH	8
720556	BOLLARD	EACH	6
727000	CHAIN LINK FENCE	LF	37
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	SYIN	2871
760012	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH	SYIN	735
762000	SAW CUTTING, BITUMINOUS CONCRETE	LF	4837

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Item Number	Description	Unit	Quantity
762001	SAW CUTTING, CONCRETE, FULL DEPTH	LF	535
763530	INITIAL EXPENSE	LS	1
763531	WORK ORDER MOBILIZATION AND DE-MOBILIZATION	EACH	5
763622	CONSTRUCTION ENGINEERING, PAR REHABILITATION	HOUR	379
801000	MAINTENANCE OF TRAFFIC	LS	1
802002	ARROW PANELS TYPE B	EADY	390
802003	ARROW PANELS TYPE C	EADY	95
803001	PROVIDE AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	EADY	669
805001	PLASTIC TRAFFIC CONTROL DRUMS	EADY	9200
806500	TRAFFIC OFFICERS	HOUR	100
808001	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE I	EADY	60
808002	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	EADY	95
810001	TEMPORARY WARNING SIGNS AND PLAQUES	EADY	5220
811001	FLAGGER, NEW CASTLE COUNTY	HOUR	3540
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	HOUR	202
813001	TEMPORARY BARRICADES, TYPE III	LFDY	4320
813501	TEMPORARY SIDEWALK, TYPE 2 (BOARDWALK)	LF	11

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Item Number	Description	Unit	Quantity
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	SF	3751
865004	TEMPORARY MARKINGS, TAPE, 12"	LF	98
864008	PREFORMED RETROREFLECTIVE MARKINGS, PATTERNED, SYMBOL/LEGEND	SF	275
863002	PREFORMED RETROREFLECTIVE MARKINGS, ALKYD-THERMOPLASTIC, BIKE SYMBOL	EACH	1
868001	PAVEMENT MARKING, REMOVAL	SF	10
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	LF	3853
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	SF	250
818003	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE XI, RETROREFLECTIVE SHEETING	SF	31
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	EACH	25
819010	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" DEPTH	EACH	1
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	EACH	44
830001	CONDUIT JUNCTION WELL, TYPE 1, 20" X 20" PRECAST CONCRETE	EACH	7
830002	CONDUIT JUNCTION WELL, TYPE 4, 20" X 42-1/2" PRECAST CONCRETE	EACH	1
830008	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	EACH	7
830010	REMOVAL OF EXISTING JUNCTION WELL	EACH	3
831024	PROVIDE AND INSTALL 2-1/2" SCHEDULE 80 PVC CONDUIT (TRENCH)	LF	135

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Item Number	Description	Unit	Quantity
831026	PROVIDE AND INSTALL 4" SCHEDULE 80 PVC CONDUIT (TRENCH)	LF	320
831033	PROVIDE AND INSTALL 2" GALVANIZED STEEL CONDUIT (TRENCH)	LF	15
833001	BONDING AND GROUTING EXISTING JUNCTION WELL	EACH	2
834009	POLE BASE, TYPE 4A	EACH	8
846001	PROVIDE AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	LF	635
846002	PROVIDE AND INSTALL A 1-1/2 INCH GALVANIZED RIGID METAL CONDUIT DETECTOR SLEEVE WITH LOOP WIRE	LF	10
905001	SILT FENCE	LF	2022
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	EACH	27
905005	INLET SEDIMENT CONTROL, CURB INLET	EACH	7
907017	COMPOST FILTER LOGS	LF	260
908004	TOPSOIL, 6" DEPTH	SY	5237
908016	PERMANENT GRASS SEEDING, SUBDIVISION	SY	5237
908020	EROSION CONTROL BLANKET MULCH	SY	5237
610000	PCC MASONRY, CLASS A	CY	6
611001	BAR REINFORCEMENT, EPOXY COATED	LB	250
613001	SILICONE-BASED ACRYLIC CONCRETE SEALER	SF	10

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<b>Item Number</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>
832508	PROVIDE AND INSTALL 2-CONDUCTOR #14 AWG ALUMINUM SHIELD CABLE	LF	297
705005	PCC SIDEWALK, 8"	SF	374