

THE STATE OF DELAWARE



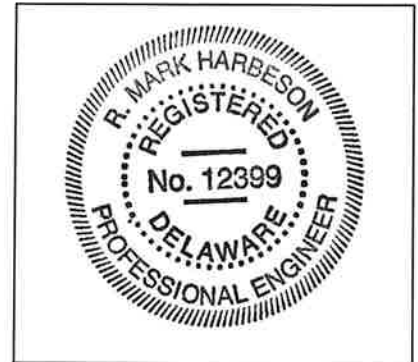
DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION SOLUTIONS, TRAFFIC ENGINEERING  
DETAILS AND SPECIFICATIONS FOR  
IDIQ - TRAFFIC SIGNALS & ITS, FY25-FY27

CONTRACT NUMBER – DOT2602  
FEDERAL AID NUMBER - VARIOUS

PROJECT ID – 2024-00290  
COUNTY: STATEWIDE


  
\_\_\_\_\_  
DELDOT – TRAFFIC FIELD OPERATIONS  
MANAGER

2/25/25  
\_\_\_\_\_  
DATE



THIS SEAL APPLIES TO ALL SHEETS

APPROVED FOR ADVERTISEMENT

  
\_\_\_\_\_  
DIRECTOR OF TRANSPORTATION SOLUTIONS

02/25/2025  
\_\_\_\_\_  
DATE

## **CONTRACT GENERAL DESCRIPTION**

This contract is to provide the material, equipment and labor for the maintenance and alteration of signalized intersections, signal coordination systems, pedestrian signals and other traffic components or devices statewide. The work includes both on-call emergencies and maintenance repairs.

This is a non-exclusive contract. Although the Contract may include tasks in all three counties of Delaware, other Contractors may be performing work related to Traffic Signals and other facilities operated and maintained by DelDOT's Traffic Division. Such work by others is not associated with this contract.

### **1. LOCATIONS**

The specific work sites are not listed herein but will be scheduled by issuance of work orders by the Delaware Department of Transportation Traffic Section. The work orders will indicate the work to be performed at each site. Most assigned tasks are anticipated to be completed within one Working Day.

### **2. CONTRACTOR SELECTION**

Multiple contractors may be selected from this solicitation. Contract awards will be based on low bid.

### **3. MINIMUM AND MAXIMUM CONTRACT VALUES**

The minimum expected value of each contract is \$0.00, and the maximum value of each contract is \$50,000,000.00. Minimum and maximum values are for informational purposes only and are not to be considered binding or a guarantee of work to the contractor.

### **4. CONTRACT DURATION**

The duration of this open-end contract shall be for a period of three (3) years from the date of execution of the contract.

### **5. SUBCONTRACTING**

In accordance with Section 108.1(A) of the Delaware Department of Transportation Standard Specifications for Road and Bridge Construction (January 2025), the Prime Contractor must perform no less than 50% of the work on the contract, unless the work is identified as specialty. This will be tracked on the overall contract.

**6. ENVIRONMENTAL PERMITS AND NEPA FOR WORK ORDERS**

The work will be scheduled by issuance of work orders to the Contractor from the Department. Each work order will represent an independent construction location. Work orders will be issued upon design completion and receipt of necessary statements and permits for the individual sites. It is anticipated that each individual work order will obtain the necessary plan approvals prior to issuance. Field personnel representing the Department are not authorized to revoke, alter, or waive any requirements of the plans, specifications or permit conditions.

A Notice to Proceed for a specific work order will not be issued until the administration section receives any required clearance or permits from the DelDOT Environmental Stewardship Office. NEPA clearance is required for each work order. The Department will obtain any necessary NEPA clearances. Any special conditions may be part of an assigned work order, such as environmental clearance for stockpile area.

Work within waters/wetlands shall not begin on locations requiring environmental permits until all applicable permits have been obtained by DelDOT. Contractor must confirm permit status with DelDOT prior to commencement of applicable work.

**7. BIDDING PROCEDURE AND CONTRACT AWARD**

The Delaware Department of Transportation will accept bids on Contract No. DOT2602 IDIQ – Traffic Signals & ITS, FY25-FY27. Multiple contractors may be selected from this solicitation. Contract awards will be based on the low bid.

Work orders will be awarded to the lowest responsible bidder using unit bid prices. Work items without bid prices shall be submitted per work order as requested. If the lowest responsible bidder declines the work or cannot meet the Department’s schedule, the next lowest responsible bidder shall be consulted until the work is awarded. The Department will not consider any contractor in liquidated damages on this or other DelDOT contracts to be a responsible bidder. Any disputes over the award of work orders will be decided by the Secretary of Transportation who is the final arbiter.

**8. ASSIGNMENT OF WORK**

The Contractor will be advised of work to be performed or deleted via a work order by the Department. The work order will outline the work locations, planned items, quantities of work, and will indicate the allowable time to perform work. Once time (Calendar Days) has been assigned to a work order and issued, the Contractor has 2 business days, not including the day of issuance, to dispute the time quantity and provide additional backup documentation for why the time quantity is not sufficient. A detailed breakdown of labor/materials/equipment along with the Contractor’s time estimate will be required; this information must be received by the Department by the end of the 2nd business day, or the Department will consider the Contractor in agreement with the time estimate. The Engineer will evaluate any request for modification to the time estimate and at his sole discretion determine if additional time is granted. Disputing a time quantity does not constitute a delay in commencement of a work order as described below.

The Engineer will establish the order in which the work sites are to be pursued. The Department may direct the Contractor to suspend work at a particular location and reassign crews due to emergencies or other high priority work at no additional cost to the Engineer.

**9. CONSTRUCTION ENGINEERING**

Any and all construction engineering shall be incidental to the contract.

**10. LIQUIDATED DAMAGES**

Failure to start assigned work orders in the allowed time constitutes "Failure to Pursue the Work" under this Contract and subjects the Contractor to Liquidated damages as outlined in Section 108.8 of the Standard Specifications. If work on a specific work order is not completed within the allotted time, Liquidated Damages will be assessed in accordance with Subsection 108.9 and based on the total value of that work order.

If applicable, verification of non-availability of materials from at least three (3) independent sources shall be supplied by the Contractor in writing to the Signal Construction Supervisor immediately after the receipt of a work order or when they are notified that anticipated materials will not be available as scheduled. If there is a verified non-availability of materials, liquidated damages shall not be assessed until the Contractor fails to complete the revised work order on time as described in Section 108.8.

**11. ALTERATIONS IN QUANTITIES**

The quantities given in the proposal are approximate only and will be the basis for comparing bids. The Department reserves the right to, at any time prior to completion of the contract, issue plan revisions, make adjustments in Contract item quantities, or make such alterations considered necessary to satisfactorily complete the Contract.

The Department reserves the right to increase or decrease the quantities of Pay Items specified in the Contract. Such additions or deletions shall not be cause for an increase or decrease in Contract unit bid prices. **The "Change" threshold of plus or minus 25%, as described in Subsection 104.2.B.4 of the DelDOT Standard Specifications dated January 2025 shall not apply to this Contract. Quantity increases or decreases of plus or minus 25% or greater shall not be justification for adjustments to unit prices.**

The plan revisions and quantity adjustments described above do not invalidate the Contract or release the Contract surety. Payment for these changes shall exclude any amount for loss of anticipated profits alleged to result from the change.

When payment for the Contract work cannot be agreed upon by the Contractor and the Department prior to starting such work ordered, the Department may direct the Contractor to perform the work under Force Account provisions of Subsection 109.4. The Contractor will proceed immediately with the work so ordered and such direction shall neither invalidate the Contract, nor release the surety.

## **PROJECT NOTES**

### **1. STANDARDS**

All work will be done in accordance with the Delaware Department of Transportation Standard Specifications for Road and Bridge Construction, dated January 2025, as amended by the Supplemental Specifications; Standard Construction Details including all revisions up to the date of advertisement; Project Specific Plan Details; the Special Provisions; the most current edition of the Delaware MUTCD; and any plans included in specific work orders. If during the course of the Contract, changes to the standards are made and are to be implemented on this Contract, the Department will send the changes to the Contractor in advance of requiring their use.

### **2. CONTRACTOR REQUIREMENTS**

#### **A. Master Electrician Special**

The Contractor shall provide a Delaware-licensed Master Electrician Special, who shall be qualified to direct work near energized primary circuits up to 34 KV and who shall be directly responsible for the workmanship as provided in Title 24, Chapter 14 of the Delaware Code. This Master Electrician - Special shall certify all of the work performed. The name, qualifications, and copy of the license shall be submitted and approved by the Engineer prior to beginning work on the contract.

#### **B. Point of Contact**

Upon award of the contract, the Contractor shall submit to the Engineer the name of a principal point of contact for the project including home and cell telephone numbers and/or pager number.

#### **C. Deployment of Multiple Crews**

Contractor crews may be required to be deployed to perform work at multiple work sites throughout the state simultaneously. The work locations and number of crews to be deployed shall be coordinated with the Engineer on a weekly basis.

#### **D. Crew Composition**

A crew shall consist of a foreman who is a Journeyman Electrician and/or has a minimum of five years of experience in related work and sufficient personnel to complete the work unless an exception is granted in writing by the Engineer. The minimum size of any crew is two people. A loop installation crew and a restoration crew do not need a Journeyman Electrician or someone with five years of experience as the foreman. Crews for aerial work must have a Journeyman Electrician as the foreman. Names and qualifications of all proposed Journeyman Electricians shall be submitted for approval prior to beginning work on the contract.

#### **E. Contractor's Equipment and Resources**

The Contractor shall provide a complete list of equipment and materials that will be available to perform the tasks outlined in this contract. All self-propelled equipment and vehicles shall be identified with the Contractor's company name, location of home office (city and state), phone number, and the electrical registration number of Licensed Master Electrician Special. This shall include any leased or rented equipment or vehicle that is in use for this contract for 14 or more continuous calendar days. Said information shall be visible on 2 (two) opposing sides of the equipment or vehicle. All equipment assigned to the contract shall be equipped with safety devices meeting the requirements of the Delaware MUTCD. The Contractor must have the capability of providing as many as 4 each bucket and/or line trucks concurrently if required at large intersections, such as those involving a suspended box span.

The Department reserves the right to inspect the Contractor's facilities, equipment, materials, and resources that will be available to perform the tasks outlined in this contract. The Department shall provide the Contractor with notification a minimum of seven (7) days prior to such an inspection.

F. Applicable Standards

All work performed under this contract shall comply with all applicable National Electrical Code, National Electrical Safety Code and industry and Bellcore standards to the extent not precluded by these specifications. Construction methods and techniques used by the Contractor shall be in accordance with the recommended practices and procedures published by leading industry manufacturers and trade associations, such as Bellcore Blue Book of Construction Practices.

The Contractor shall also follow all applicable local laws and standards. The Contractor shall be aware of all standards and their application within Delaware. Ignorance or lack of knowledge shall not be an excuse for improper work to occur. Any work constructed in violation of any applicable code shall be corrected and re-installed properly at the Contractor's expense.

3. **PROSECUTION AND PROGRESS OF WORK**

Work assignments will be issued to the Contractor in the form of a letter along with all necessary sketches, engineering drawings and any additional special provisions required. At times, depending upon the nature and complexity of the work assignments, field meetings may be necessary at certain site locations.

The Contractor shall have sufficient work forces and Bid Item materials in stock to perform any assignment within the times specified.

4. **EMERGENCY WORK**

Emergency services must be available 24 hours per day 7 days per week without exception

during the period of this contract. The Contractor shall have the following continuously available; a work crew and at least one pole line vehicle capable of setting the largest pole required by this contract and one separate aerial vehicle capable of lifting 2 workers and their tools to the working height of that pole in each area. The Contractor shall have under his control an inventory of materials normally supplied under the terms of this contract for immediate use under this provision. The Contractor's Supervisor shall mobilize and be on-site to evaluate conditions within 2 hours of notification. The Contractor's essential crew shall mobilize, be on-site with equipment and operational (including Maintenance of Traffic set-up) within 3 hours of initial notification. Should the Contractor fail to provide the crews, equipment, and materials required under this provision within the 3 hours, DelDOT crews may perform the work with those itemized costs deducted by use of a negative change order from payments due the Contractor. All pay items that are not "supply only" and that are used for after-hours emergency work will be allowed a 15 percent surcharge.

5. **NIGHT WORK**

The Department may require Night Work to minimize traffic conflicts on some work sites. The Contractor should anticipate nighttime operations being required for work above, or affecting traffic lanes on multi-lane, high volume locations. All pay items which are not "provide only" that are used for Night Work shall be allowed a 15 percent surcharge. Type I and Type II truck mounted attenuators, plastic drums, temporary barricades Type III, temporary warning signs, message boards, arrow panels, and portable light assemblies shall be paid under separate items in this contract for their use and shall not be subject to the 15 percent surcharge for night work.

Night work shall be defined as work being performed from the hours of 8:00 p.m. to 6:00 a.m.

Construction work started prior to night work hours that carries over into those hours shall not be paid as night work unless authorized by the Engineer in writing before work is started.

6. **INSPECTION AND PROJECT CONTROL**

Upon the completion of each individual work assignment, the foreman and inspector shall reconcile the quantities of work completed.

Method for Contractors Invoice Submission – All work for this contract will be paid per assignment upon receipt of an invoice from the contractor in accordance with the following schedule:

The contractor will submit one invoice per work assignment at the completion of the assignment.

All invoices shall contain the following information. Failure to include any of the information on the invoice may result in the invoice being returned to the contractor.

- Contractor name, address and federal ID number.
- Project location, Department contract and/or Federal Aid contract numbers.

- Invoice number and date.
- Inspector Daily Report (IDR)
- Material Certifications, Source of Supply and Bill of Lading
- The following statement:

In accordance with Chapter 8, Title 17 of the Delaware Code (Annotated Revised 1974, and as amended), the undersigned contractor certifies that payment to all Subcontractors and/or suppliers has been made as required and as detailed on the “Proof of Payment” form (CN-91). It is understood that no subsequent payment will be made to the Contractor until the “Proof of Payment” form for the previous pay period has been submitted and received by DelDOT’s DBE Office.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

All invoices must be accompanied by the inspector’s daily reports (IDR), all Material Certifications, Bill of Lading, and source of supply for all materials used. Any discrepancy between measured quantities and contractor’s quantities must be resolved prior to submitting an invoice for payment.

**7. MAINTENANCE OF TRAFFIC**

The only payment for maintenance of traffic shall be the separate pay items identified in the bid tabs. No separate payment will be made for the use of traffic cones. Traffic cones and/or the work associated with their use, such as set up, removal, cleaning, etc. shall be incidental to the work for which they protect.

For those items that are paid on an Each-Day basis, only one such payment will be made per day per unit, even if the item is used in multiple work sites or work orders in the same day. This applies to items such as plastic drums and truck mounted attenuators but is not limited to these items.

Work hours may be restricted on some work orders as dictated by traffic volumes and/or roadway conditions.

All traffic control devices shall be in new or refurbished condition, shall comply with the Delaware MUTCD and with NCHRP Report 350 or MASH and shall be approved by the Engineer before installation. Traffic control devices shall be maintained in good condition for the duration of use.

The Contractor shall maintain vehicular, bicycle and pedestrian traffic through the project’s work zones in a manner that will reasonably provide the least practicable obstruction to all road users and provide paths for all road users, including, but not limited to, the passage through the work zone of persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA) Title II, paragraph 35.130 and DelDOT’s current ADA standards, directives, and PAS Guidelines.

The project manager shall be responsible for coordinating with the Traffic Section relating to any impacts to Traffic Section facilities (including but not limited to traffic loops, junction wells etc.) at least 4 weeks in advance of the start of the activity. Prior to initiating any work on this contract (or sites), the Project Manager shall be responsible for preparing and submitting for approval of the Safety Section, a Maintenance of Traffic Plan. Sufficient time shall be provided for the review and approval of the plan. The Maintenance of Traffic Plan shall include proposed time restrictions on the closure of travel lanes subject to the approval of the Safety Section.

The Project Manager shall be responsible for coordinating with the Traffic Section regarding any impacts to Traffic Section facilities (including but not limited to traffic loops, junction wells etc.) at least 4 weeks in advance of the start of the activity. Prior to initiating any work on this contract (or sites), the Project Manager shall be responsible for preparing and submitting for approval of the Safety Section, a Maintenance of Traffic Plan. Sufficient time shall be provided for the review and approval of the plan. The Maintenance of Traffic Plan shall include proposed time restrictions on the closure of travel lanes subject to the approval of the Safety Section.

The Project Manager is responsible for ensuring any required documents and analysis as part of the adopted Work Zone Safety and Mobility Procedures and Guidelines has been completed prior to any work starting on this contract.

## **8. BASIS OF PAYMENT**

The Contractor may bill the Department when the work order is completed. Payment will be issued to the Contractor monthly on a mutually agreed upon date.

Payment of said invoice shall not relieve the Contractor from obligations incurred in warranting the quality of the workmanship and materials, or for restoration at the work site. A One Year Warranty on all materials, installation, and workmanship will be in effect for each work location starting on the acceptance date of each individual location.

Specific work items may carry a longer Warranty Period. In these cases, the longer of one year or the otherwise specified warranty period will govern for those particular items. The Contractor shall provide contact information for an employee responsible for arranging any warranty work during the one-year period. Any repairs required during the warranty period, including Maintenance of Traffic Items, shall be provided at no additional cost to the Department. Should any emergency repairs be required during the warranty period to work that was originally performed under this contract, contact will immediately be made with the Contractor and a response to the site of the emergency must be made within 3 hours of the time of contact. Should the Contractor be unable to respond to the emergency within the 3-hour timeframe, then the Department will pursue other means to make the repairs and deduct the costs from the Contract by means of a “negative” change order. Final acceptance as evidenced in writing after the completion of the entire contract or at such time as practical determination of the quality of the workmanship and materials can be made by the Engineer, will be necessary before any bonds or parts of bonds will be released.

## **9. ELECTRICAL TESTING BY DELDOT**

The Contractor is advised that DelDOT may, at their discretion, perform independent

electrical testing of the highway lighting system, signal system, and/or related electrical work items.

The Intelligent transportation system (ITS) is comprised of all Contract items for control devices, including but not limited to, conduits, junction wells, cables, load centers, transformers, cabinet pads, pole bases, poles, light standards with and without davit arms, luminaires, signal heads, pedestrian heads, service installations, and reworked/relocated existing lighting facilities.

The ITS will be considered defective if any of the following conditions are discovered by visual inspection or by inspection with testing equipment within the warranty period:

1. Defective lamps, LED's, or ballasts
2. Failure to operate, in whole or in part.
3. Power wire grounding less than ten megohms.
4. Shifts in pole and/or foundation alignment.
5. Short circuits or open circuits anywhere within the system.
6. Deterioration of finishes, plating, or paint not normal and customary in the environment in which the equipment is installed.
7. Settlement of trench backfill.
8. Defective fuses.
9. Defective or improperly installed splices.

These conditions listed shall not be considered all inclusive.

**The Department reserves the right to conduct initial and periodic ITS inspections after the Contractor has completed work. The initial inspection will be to determine if initial performance requirements are met. Periodic reviews may be conducted through the warranty period to determine the sustained ability of the system to meet the stated performance requirements.**

All defective areas identified by the Department during initial or periodic inspections shall be documented and the information will be shared with the Contractor. Necessary repairs or replacements shall be made by the Contractor at no additional cost to DelDOT. All ITS repairs shall begin immediately following the notice to the Contractor of the defect unless weather limitations prevent the corrective work. The Department shall be given notification before the Contractor begins corrective work and shall be allowed full access to the areas being repaired.

When requirements, responsibilities, and providing 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.

## **10. GENERAL WORK ELEMENTS**

- A.** Backfill in trenches, around forms and junction wells, or at any other place shall be completed thoroughly, using a power tamper, in lifts of not more than 8 inches loose measurement as it is being placed, in accordance with Standard Specification Subsection 607.3.5. Any paving material or fill removed for trenching shall be

replaced in kind.

- B.** At the Contractor's expense, all holes and trenches shall be protected from accidental entry by vehicles and pedestrians with steel plates or other approved materials as required by the Engineer. Should the Contractor fail to provide

adequate protection to the surroundings of a work site or should the operations be carried out in such a way as to allow or cause damage to any roadway, street, sidewalk, the property of any utility, or other private or public property, and should the repair not be undertaken in a timely manner, then it may be necessary for the Department to protect the area and/or make the repair. If so, the cost shall be deducted from monies due the Contractor.

- C.** All concrete, including pole bases and cabinet bases, shall be finished to match any adjacent concrete. If no match is required, the surface area shall be broom finished and edged.
- D.** No ground rod shall be driven into earth without a proper protective cap to prevent damage to the threads. If the threaded end of the sectional ground rod is damaged, it will be replaced at the expense of the Contractor.
- E.** Material substitutions must be submitted in writing to the Engineer at least 10 calendar days prior to use in order to allow time for review and approval by the Engineer. Faxes or e-mails are not acceptable methods of submission. A scanned, signed letter in "pdf format" will be acceptable.
- F.** Work within waters/wetlands shall not begin on locations requiring environmental permits until all applicable permits have been obtained by the Department.
- G.** Traffic signal loops shall be installed within one week of receipt of work order unless otherwise directed by the Engineer.
- H.** If seeding is required for restoration of a work area, the cost shall be incidental to Item 908001, Topsoil. If topsoil is not required, the cost of seeding shall be incidental to the item requiring restoration.
- I.** Signal heads, pedestrian signal indications, and signs that are in place, but not in service, shall be entirely covered with opaque burlap with costs incidental to the various maintenance of traffic items.

## **11. MATERIALS**

- A.** Damaged  
Once the Department transfers material or equipment to the Contractor, any damage to or loss of that material or equipment which occurs from handling or transport, or from any other source or way, shall be the sole responsibility of the Contractor and the value thereof shall be deducted from any monies due the Contractor.

- B.** Supplied By or Returned To the Department

The Department's Sign Shop, 14 Sign Shop Road, Dover, Delaware 19901, and/or the Department's Canal District Shop, 250 Bear-Christiana Road, Bear, DE 19701 are the sites where items to be supplied by the Department are available and where items to be returned are to be delivered. Any reference in the Plans or Special Provisions to the Dover Sign Shop shall, for this contract, mean either the Dover Sign Shop or the Canal District Shop according to the direction provided by the Engineer.

**C. Supplied By the Contractor**

All materials supplied by the Contractor shall be new and unused and, where applicable, all materials and equipment supplied shall be UL approved. Catalog cuts and/or shop drawings shall accompany all requests for material source approval. 6 Sets of such requests shall be sent to DelDOT's Traffic Sign Shop (attention ITS Maintenance Manager). Following initial review by Traffic, 5 sets of the submittal will be forwarded to DelDOT's Materials and Research Section for final approval. Following their review and approval, 2 sets will be returned to the Contractor, one set will be retained by Materials and Research, and 2 sets will be returned to DelDOT's Traffic Sign Shop. If more approved copies are desired, the Contractor may elect to submit extras for review.

All signing materials, including sheeting, substrate, posts and hardware must meet DelDOT requirements, and all finished signs must be supplied by vendors on the DelDOT "Approved Sign Suppliers" list.

**D. Transportation**

Materials and/or equipment shall be transported in a legal fashion and shall be protected from damage or loss.

**12. EROSION AND SEDIMENT CONTROL**

The provisions of Section 110 of the Standard Specifications on erosion and sediment control apply to this contract. Those areas that have been disturbed for signal work shall be restored immediately after the ground disturbing portion of the work has been completed per DelDOT's Erosion and Sediment Manual. Restoration of long runs of conduit for fiber optic installation shall be restored at the end of each workday. Silt fences will not be required.

**13. RIGHT OF WAY**

It is anticipated that all work will occur within DelDOT's existing right of way or easement areas. Should the need occur to trespass onto private property; it will be the responsibility of the Project Manager to secure such trespass needs.

It is anticipated that all work will occur within DelDOT's right of way. Should the need arise to trespass onto railroad property, including the highway-rail crossing; it will be the responsibility of the project manager to contact the railroad chief engineer and obtain written authorization before entering.

The Contractor shall give a one (1) week notice to the Property Owner when any fixture, shrub, or other object must be removed from the Right of Way or Easement area. If the Owner has not attempted to salvage this property, the Contractor shall remove it without obligation. Compensation shall be incidental to the Contract.

**14. UTILITIES**

No Utility relocation involvement is anticipated. Should any conflicts be encountered during construction requiring adjustment and/or relocation of the agencies' existing facilities, the necessary relocation work shall be accomplished by the respective agencies' forces, as directed by the Engineer. Any adjustments and/or relocations of Municipally Owned facilities shall be done by the State's Contractor in accordance with the respective agencies' Standard Specifications as directed by the Engineer.

**ITEM NUMBERS BY CATEGORY**

To assist locating a particular item, the item numbers included in this contract have been divided into categories, as shown in the following table.

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>	<b>QTY</b>
<b>CABINETS AND CABINET BASES</b>			
835001	Cabinet Base Type F	EA	6
835002	Cabinet Base Type M	EA	6
835003	Cabinet Base Type P	EA	15
835004	Cabinet Base Type R	EA	6
835502	Cabinet Base Type K (HIB)	EA	6
847004	Lighting Control and Distribution Enclosure (120/240; 100AMP)	EA	6
<b>CABLE AND SPLICES</b>			
832001	Provide & Install 1- Conductor #4/0 AWG Stranded Copper, Type Use-2	LF	1000
832002	Provide & Install 1- Conductor #3/0 AWG Stranded Copper, Type Use-2	LF	1,000
832003	Provide & Install 1- Conductor #2/0 AWG Stranded Copper, Type Use-2	LF	1,200
832006	Provide & Install 1- Conductor #2 AWG Stranded Copper, Type Use-2	LF	2,000
832007	Provide & Install 1- Conductor #4 AWG Stranded Copper, Type Use-2	LF	48,000
832008	Provide & Install 1- Conductor #6 AWG Stranded Copper, Type Use-2	LF	250,000
832009	Provide & Install 1- Conductor #8 AWG Stranded Copper, Type Use-2	LF	168,000
832010	Provide & Install 1- Conductor #10 AWG Stranded Copper, Type Use-2	LF	33,000
832025	Provide & Install 4- conductor #18 AWG Shielded Opticom Cable	LF	60,000
832026	Provide & Install 1- conductor #14 AWG Stranded Copper	LF	1,000
832029	Provide & Install #8/2 wire UF W/ground	LF	21,000
832031	Provide & Install #6 Triplex Aluminum Service Cable	LF	1,000
832032	Provide & Install 14/4 Traffic Control Cable	LF	29,000
832033	Provide & Install 14/9 Traffic Control Cable	LF	44,000
832034	Provide & Install 14/16 Traffic Control Cable	LF	20,000
832500	Splicing of Electrical Cable Underground	EA	100
832501	Splicing of Electrical Cable Above Ground	EA	500
832502	Triplex Splice	EA	100
832504	Provide & Install #8 THHN Stranded Copper	LF	25,000
832505	Provide & Install #6 AWG Solid Copper	LF	4,000
832506	Provide & Install #1/0 AWG Stranded Copper	LF	15,000
832507	Provide & Install 14/5 Traffic Control Cable	LF	131,000
832508	Provide & Install 2-Conductor #14 AWG Aluminum Shielded Cable	LF	166,000
832509	Install CAT5E Video Detector Cable in Conduit/on Structure	LF	35,000
832510	Provide & Install CAT5E Video Detector Cable	LF	6,000
846001	Provide & Install Loop Wire 1-conductor # 14 AWG encased in 1/4" Flexible Tubing in a Loop Sawcut	LF	30,000
846002	Provide & Install a 1-1/2 inch Galvanized Rigid Metal Conduit Detector Sleeve with Loop Wire	LF	1,000

<b>CONCRETE</b>			
202000	Excavation & Embankment	CY	2000
207021	Structural Backfill, Borrow Type C, Providing Only	CY	500
211001	Removal of Existing Portland Cement Concrete Pavement, Curb, & Sidewalk	SY	12,000
301001	Graded Aggregate Base Course, Type B	CY	2,250
301002	Graded Aggregate Base Course, Type B, Patching	CY	500
401029	Superpave, Type C, 9.5 mm, PG 64-22, Patching	TON	200
401030	Superpave, Type B, PG 64-22, Patching	TON	200
401031	Superpave, Type BCBC, PG 64-22, Patching	TON	375
503001	Patching P.C.C. Pavement, 6' to 15', Type A	SY	100
503002	Patching P.C.C. Pavement, Greater Than 15' To 100', Type B	SY	100
503006	Dowel Bars	EA	100
701011	Portland Cement Concrete Curb, Type 1 - 4	LF	1,500
701013	Portland Cement Concrete Curb, Type 1- 8	LF	3,100
701014	Portland Cement Concrete Curb, Type 2	LF	5,000
701018	Integral Portland Cement Concrete Curb and Gutter, Type 1 - 8	LF	1,300
701019	Integral Portland Cement Concrete Curb and Gutter, Type 2	LF	2,200
701022	Integral Portland Cement Concrete Curb and Gutter, Type 3 – 6	LF	600
701023	Integral Portland Cement Concrete Curb and Gutter, Type 3 – 8	LF	2,500
702000	Triangular Channelizing Island	SF	28,000
705001	Portland Cement Concrete Sidewalk, 4"	SF	16,200
705002	Portland Cement Concrete Sidewalk, 6"	SF	42,000
705008	Pedestrian connection, Type 1	SF	5,500
705009	Pedestrian connection, Type 2, 3 and/or 4	SF	10,000
705010	Pedestrian connection, Type 5	SF	10,000
705013	Truncated Dome Detectable Warning Surface	SF	6,500
762000	Saw Cutting, Bituminous Concrete	LF	12,000
762001	Saw Cutting, Concrete, Full Depth	LF	7,500
<b>CONDUIT</b>			
831013	Provide and Install 4" Schedule 80 PVC Conduit (Open Cut)	LF	500
831014	Provide and Install 3" Schedule 80 PVC Conduit (Open Cut)	LF	500
831015	Provide and Install 2-1/2" Schedule 80 PVC Conduit (Open Cut)	LF	500
831016	Provide and Install 2" Schedule 80 PVC Conduit (Open Cut)	LF	500
831017	Provide and Install 1" Schedule 80 PVC Conduit (Open Cut)	LF	500
831022	Provide and Install 1" Schedule 80 PVC Conduit (Trench)	LF	500
831023	Provide and Install 2" Schedule 80 PVC Conduit (Trench)	LF	4,500
831024	Provide and Install 2-1/2" Schedule 80 PVC Conduit (Trench)	LF	4,000
831025	Provide and Install 3" Schedule 80 PVC Conduit (Trench)	LF	51,500
831026	Provide and Install 4" Schedule 80 PVC Conduit (Trench)	LF	24,500
831027	Provide and Install 1" Schedule 80 PVC Conduit (On Structure)	LF	500

831028	Provide and Install 2" Schedule 80 PVC Conduit (On Structure)	LF	500
831029	Provide and Install 2-1/2" Schedule 80 PVC Conduit (On Structure)	LF	500
831030	Provide and Install 3" Schedule 80 PVC Conduit (On Structure)	LF	500
831031	Provide and Install 4" Schedule 80 PVC Conduit (On Structure)	LF	500
831032	Provide and Install 1" Galvanized Steel Conduit (Trench)	LF	500
831033	Provide and Install 2" Galvanized Steel Conduit (Trench)	LF	14,500
831034	Provide and Install 2-1/2" Galvanized Steel Conduit (Trench)	LF	500
831035	Provide and Install 3" Galvanized Steel Conduit (Trench)	LF	500
831036	Provide and Install 4" Galvanized Steel Conduit (Trench)	LF	500
831037	Provide and Install 1" Galvanized Steel Conduit (Bore)	LF	500
831038	Provide and Install 2" Galvanized Steel Conduit (Bore)	LF	700
831039	Provide and Install 2-1/2" Galvanized Steel Conduit (Bore)	LF	500
831040	Provide and Install 3" Galvanized Steel Conduit (Bore)	LF	500
831041	Provide and Install 4" Galvanized Steel Conduit (Bore)	LF	500
831042	Provide and Install 1" Galvanized Steel Conduit (Open Cut)	LF	500
831043	Provide and Install 2" Galvanized Steel Conduit (Open Cut)	LF	500
831044	Provide and Install 2-1/2" Galvanized Steel Conduit (Open Cut)	LF	500
831045	Provide and Install 3" Galvanized Steel Conduit (Open Cut)	LF	500
831046	Provide and Install 4" Galvanized Steel Conduit (Open Cut)	LF	500
831047	Provide and Install 1" Galvanized Steel Conduit (On Structure)	LF	500
831048	Provide and Install 2" Galvanized Steel Conduit (On Structure)	LF	3,500
831049	Provide and Install 2-1/2" Galvanized Steel Conduit (On Structure)	LF	300
831050	Provide and Install 3" Galvanized Steel Conduit (On Structure)	LF	300
831051	Provide and Install 4" Galvanized Steel Conduit (On Structure)	LF	300
831052	Provide and Install 2" HDPE SDR-13.5 Conduit (Bore)	LF	500
831053	Provide and Install 2-1/2" HDPE SDR-13.5 Conduit (Bore)	LF	500
831054	Provide and Install 3" HDPE SDR-13.5 Conduit (Bore)	LF	9,500
831055	Provide and Install 4" HDPE SDR-13.5 Conduit (Bore)	LF	48,000
831056	Provide and Install 1-1/2" Schedule 80 PVC Conduit (Open Cut)	LF	500
831057	Provide and Install 1-1/2" Schedule 80 PVC Conduit (Trench)	LF	500
831058	Provide and Install 1-1/2" Schedule 80 PVC Conduit (On Structure)	LF	500
831059	Provide and Install 1-1/2" Galvanized Steel Conduit (Open Cut)	LF	500
831060	Provide and Install 1-1/2" Galvanized Steel Conduit (Trench)	LF	500
831061	Provide and Install 1-1/2" Galvanized Steel Conduit (Bore)	LF	500
831062	Provide and Install 1-1/2" Galvanized Steel Conduit (On Structure)	LF	500
831063	Provide & Install Second and Subsequent Additional 1" Schedule 80 PVC Conduits in Trench or Open Cut	LF	300
831064	Provide & Install Second and Subsequent Additional 1-1/2" Schedule 80 PVC Conduits in Trench or Open Cut	LF	300
831065	Provide & Install Second and Subsequent Additional 2" Schedule 80 PVC Conduits in Trench or Open Cut	LF	300

831066	Provide & Install Second and Subsequent Additional 2-1/2" Schedule 80 PVC Conduits in Trench or Open Cut	LF	300
831067	Provide & Install Second and Subsequent Additional 3" Schedule 80 PVC Conduits in Trench or Open Cut	LF	300
831068	Provide & Install Second and Subsequent Additional 4" Schedule 80 PVC Conduits in Trench or Open Cut	LF	500
831069	Provide & Install Second and Subsequent Additional 2" HDPE 13.5 SDR Conduit in Directional Bore	LF	300
831070	Provide & Install Second and Subsequent Additional 2-1/2" HDPE 13.5 SDR Conduit in Directional Bore	LF	300
831071	Provide & Install Second and Subsequent Additional 3" HDPE 13.5 SDR Conduit in Directional Bore	LF	300
831072	Provide & Install Second and Subsequent Additional 4" HDPE 13.5 SDR Conduit in Directional Bore	LF	1,000
831073	Provide & Install Second and Subsequent Additional 1" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831074	Provide & Install Second and Subsequent Additional 1-1/2" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831075	Provide & Install Second and Subsequent Additional 2" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831076	Provide & Install Second and Subsequent Additional 2-1/2" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831077	Provide & Install Second and Subsequent Additional 3" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831078	Provide & Install Second and Subsequent Additional 4" Galvanized Steel Conduit in Trench or Open Cut	LF	500
831079	Provide & Install Second and Subsequent Additional 1" Galvanized Steel Conduit in Directional Bore	LF	500
831080	Provide & Install Second and Subsequent Additional 1-1/2" Galvanized Steel Conduit in Directional Bore	LF	500
831081	Provide & Install Second and Subsequent Additional 2" Galvanized Steel Conduit in Directional Bore	LF	500
831082	Provide & Install Second and Subsequent Additional 2-1/2" Galvanized Steel Conduit in Directional Bore	LF	500
831083	Provide & Install Second and Subsequent Additional 3" Galvanized Steel Conduit in Directional Bore	LF	500
831084	Provide & Install Second and Subsequent Additional 4" Galvanized Steel Conduit in Directional Bore	LF	500
	<b>ELECTRIC SERVICE</b>		
842504	Provide & Install Additional Disconnect Switch	EA	60
842005	Removal of Electrical Service on Wood or Metal Pole	EA	18
842501	Provide & Install Electrical Utility Service Equipment 120/240 (100 AMP)	EA	300
842502	Provide & Install Electrical Utility Service Equipment 120/240 (200 AMP)	EA	15
	<b>JUNCTION WELLS</b>		
830001	Conduit Junction Well, Type 1, Precast Concrete	EA	900
830002	Conduit Junction Well, Type 4, Precast Concrete	EA	150

830003	Conduit Junction Well, Type 5, Precast Concrete	EA	15
830004	Conduit Junction Well, Type 7, Precast Polymer Concrete	EA	15
830008	Adjust or Repair Existing Conduit Junction Well	EA	60
830009	Relocation of Existing Conduit Junction Well	EA	15
830011	Provide & Install Frame and Lid, for Junction Well, Type 1	EA	15
830012	Provide & Install Frame and Lid, for Junction Well, Type 4	EA	15
830013	Provide & Install Frame and Lid, for Junction Well, Type 5	EA	10
830015	Provide & Install Precast Polymer Cover for Junction Well, Type 7	EA	15
833001	Bonding & Grounding Existing Junction Well	EA	150
	<b>MISCELLANEOUS</b>		
201501	Clearing & Grubbing	SY	3,000
204000	Test Hole	CY	600
763655	Performance & Payment Bond, Open End Signal Contract	LS	1
	<b>MAINTENANCE OF TRAFFIC</b>		
802003	Arrow Panels, Type C	EA-DY	900
803001	Provide & Maintain Portable Changeable Message Board	EA-DY	1,800
804001	Provide & Maintain Portable Light Assembly (Flood Lights)	EA-DY	700
805001	Plastic Drums	EA-DY	50,500
806001	Traffic Officers	HR	1,200
808002	Provide & Maintain Truck Mounted Attenuator, Type II	EA-DY	2,250
808500	Provide and Maintain Straight Boom Lift, Up to 80', 4WD (Hourly)	EA-HR	180
808501	Provide and Maintain Straight Boom Lift, Up to 80', 4WD (Daily)	EA-DY	300
810001	Temporary Warning Signs and Plaques	EA-DY	22,000
811001	Flagger, New Castle County, State	HR	21,600
811002	Flagger, Kent County, State	HR	3,500
811003	Flagger, Sussex County, State	HR	700
811013	Flagger, New Castle County, State, Overtime	HR	150
811014	Flagger, Kent County, State, Overtime	HR	60
811015	Flagger, Sussex County, State, Overtime	HR	120
813001	Temporary Barricades, Type III	LF-DY	4,500
813003	Pedestrian Channelizing Barricade System	LF/DY	1,500
813501	Temporary Sidewalk – Type 2	LF	500
813502	Relocate Temporary Sidewalk – Type 2	LF	500
813503	Temporary Pedestrian Pathway	SY	600
	<b>POLES, MAST ARMS, POLE BASES</b>		
833002	Provide & Install Ground Rod	EA	100
834001	Pole Base, Type 1	EA	15
834002	Pole Base, Type 2	EA	15
834003	Pole Base, Type 2A	EA	15
834004	Pole Base, Type 2B	EA	15

834005	Pole Base, Type 3	EA	60
834006	Pole Base, Type 3A	EA	100
834007	Pole Base, Type 3B	CF	60
834008	Pole Base, Type 3C	EA	30
834009	Pole Base, Type 4A	EA	175
834010	Pole Base Type 4B	EA	100
834011	Pole Base Type 6	EA	650
834012	Pole Base, Type 6B	EA	30
834013	Pole Base Extension	CF	60
834014	Sheeting for Pole Base	EA	60
836001	Installation of Steel Pole (Less than 40')	EA	100
836002	Installation of Steel Pole (Equal to or Greater than 40')	EA	100
836500	Installation of Steel Mast Arm Pole with Single Mast Arm Greater than 70'	EA	30
836502	Provide and Install Pedestal Pole	EA	500
836504	Installation of Steel Mast Arm Pole with Single or Twin Mast arms up to 60'	EA	120
836505	Provide 10' Pedestal Pole	EA	150
836506	Provide 14' Pedestal Pole	EA	150
836507	Provide Pedestal Pole Transformer Base	EA	300
839002	Cutting of Wood Pole	EA	15
839500	Provide and Install Wood Pole, Class II (Heavy) – 30'	EA	30
839501	Provide and Install Wood Pole, Class II (Heavy) – 40'	EA	15
839502	Provide and Install Wood Pole, Class II (Heavy) – 50'	EA	15
839503	Provide and Install Wood Pole, Class III – 30'	EA	15
839504	Provide and Install Wood Pole, Class III – 40'	EA	15
839505	Provide and Install Wood Pole, Class III – 50'	EA	15
841001	Provide and Install Weatherhead, up to 3", on Steel Pole	EA	30
	<b>SIGNAL HEADS, PEDESTRIAN BUTTONS, EMERGENCY PREEMPTION</b>		
837524	Installation of Solar Panel	EA	150
837520	Installation of Rectangular Rapid Flashing Beacon (Single)	EA	60
837521	Installation of Rectangular Rapid Flashing Beacon (Double)	EA	60
837001	Provide & Install 8" LED Signal Head Section, Rigid Mount	EA	30
837002	Provide & Install 12" LED Signal Head Section, Rigid Mount	EA	1,800
837003	Provide & Install 8" LED Signal Head Section, Span Mount	EA	30
837004	Provide & Install 12" LED Signal Head Section, Span Mount	EA	900
837005	Provide & Install 8" LED Traffic Signal Head Indication Module	EA	30
837006	Provide & Install 12" LED Traffic Signal Head Indication Module	EA	150
837007	Provide & Install Signal Head Backplate	EA	600
837008	Provide & Install 16" LED Countdown Pedestrian Signal	EA	600
837009	Provide & Install 16" LED Pedestrian Signal Head Indication Module	EA	60
837010	Provide & Install Pedestrian Pushbutton with Sign	EA	600

837011	Realign or Slide Existing Signal Head or Opticom Detector	EA	600
837501	Installation and Removal of Traffic Signal Indication/LED Module	EA	150
837502	Installation and Removal of Pedestrian Signal Indication/LED Module	EA	150
837503	Provide 8" Signal Head Section	EA	30
837504	Provide 12" Signal Head Section	EA	150
837505	Provide 8" LED Traffic Signal Indication Module	EA	60
837506	Provide 12" LED Traffic Signal Indication Module	EA	300
837509	Provide Pedestrian Pushbutton with Sign	EA	150
837510	Provide Signal Head Backplate	EA	30
837512	Provide and Install Flexible Thermoplastic Signal Head Backplate	EA	600
837513	Provide 16" Pedestrian Signal Housing	EA	150
837514	Provide 16" LED Countdown Pedestrian Signal Indication Module	EA	300
844001	Provide & Install Opticom Emergency Preemption Detector	EA	450
	<b>SIGNS</b>		
819010	Installation of 4" diameter hole, less than or equal to 6" depth	EA	300
819011	Installation of 4" diameter hole, greater than 6" depth	EA	200
819514	Provide and Install Signifix Channel on Road Sign	LF	3,000
819500	Provide and Install Road Sign on Single Post	EA	1,000
819501	Provide and Install Road Sign on Multiple Post	EA	1,000
820018	Removal of Breakaway I-Beam Sign Posts	EA	30
820020	Remove Sign Panel on Breakaway I-Beam Sign Support	EA	100
822002	Installation of Sign on/over Highway Structure	SF	500
822009	Removal of Sign on/over Highway Structure	SF	500
822503	Install Overhead Sign	EA	600
823500	Installation of Sign on Span Wire or Mast Arm	EA	600
823003	Removal of Sign on Span Wire or Mast Arm	EA	600
822504	Installation or Removal of Over-Highway Sign or Sign on Roadside I-Beam Structure	SF	600
	<b>SOIL</b>		
908001	Topsoil	TON	1,000
908020	Erosion Control Blanket Mulch	SY	7,500
908021	Turf Reinforcement Matting, Type 1	SY	600
908514	Provide and Install Sod	SY	600
	<b>SPAN, MESSENGER, AND GUY WIRE</b>		
838001	Provide & Install Span Wires, 7/16"	LF	9,000
838002	Provide & Install Span Wires, 1/4"	LF	3,500
838003	Provide & Install Dead End Messenger Wire Attachment	EA	150
838006	Adjustment of Span or Messenger Wire	EA	30
838008	Transfer of Existing Span or Messenger Attachment	EA	30
838009	Removal of Messenger Wire, Cable & Hardware	LF	20,000

838500	Removal of Span Wire	EA	240
840001	Provide & Install Down Guy & Anchor	EA	60
	<b>REMOVAL</b>		
830010	Removal of Existing Junction Well	EA	60
831011	Removal of Conduit from Wood Pole	LF	400
832035	Removal of Cable from Conduit or Traffic Lighting Pole	LF	82,000
834501	Partial Removal of Concrete Pole Bases and Cabinet Foundations	CY	200
836005	Remove Steel Pole (Equal to or Greater than 40')	EA	75
836006	Remove Pedestal Pole	EA	150
836501	Installation or Removal of Traffic Signal Mast Arm	EA	300
836503	Remove Steel Pole (Equal to or Greater than 15' and less than 40')	EA	150
837500	Removal of Signal or Pedestrian Head from Pole or Pedestal	EA	200
838503	Removal of Cable from Messenger Wire	LF	7,500
837522	Removal of Signal Head or Opticom Emergency Preemption Detector from Span Wire or Mast Arm	EA	750
839003	Removal of Wood Pole	EA	30
840005	Removal of Down Guy and Anchor	EA	60
840006	Removal of Overhead Guy	EA	6
837523	Installation or Removal of Pedestrian Pushbutton on Wood or Metal Pole	EA	550
844530	Install or Remove Bluetooth Detector	EA	300
844531	Install or Remove Microwave Detector	EA	300
844532	Install or Remove Video Detector	EA	300
847001	Installation or Removal of Pole or Post Mounted Cabinet	EA	120
847002	Installation or Removal of Base or Pad Mounted Cabinet	EA	60
851532	Install or Remove Steel Davit Arm or Steel Truss Arm	EA	300
	<b>LIGHTING</b>		
851533	Light Standard Attachments	EA	150
211514	Removal of Street Lighting System	EA	60
850001	Luminaire (LED), 150 Watts HPS Equivalent	EA	450
850002	Luminaire (LED), 250 Watts HPS Equivalent	EA	500
850003	Luminaire (LED), 400 Watts HPS Equivalent	EA	150
850004	Luminaire (LED), 640 Watts HPS Equivalent	EA	15
850005	LED Wall Pack, 75 Watts HPS Equivalent	EA	15
850006	LED Wall Pack, 150 Watts HPS Equivalent	EA	15
850007	LED Wall Pack, 250 Watts HPS Equivalent	EA	15
850008	LED Wall Pack, 400 Watts HPS Equivalent	EA	15
850011	Removal of Luminaire	EA	480
850517	Installation of Luminaire	EA	850
851001	Aluminum Lighting Standard with Single Davit Arm, 30' Pole	EA	550
851003	Aluminum Lighting Standard with Single Davit Arm, 40' Pole	EA	60
851502	Aluminum Lighting Single Davit Arm, 8' Arm Spread	EA	60

851503	Aluminum Lighting Single Davit Arm, 12' Arm Spread	EA	550
851504	Aluminum Lighting Single Davit Arm, 15' Arm Spread	EA	90
851506	Aluminum Lighting Standard, 30' Pole	EA	550
851507	Aluminum Lighting Standard, 40' Pole	EA	60
851509	Aluminum Lighting Standard with Single Truss Arm, 30' Pole	EA	60
851520	Aluminum Lighting Single Davit Arm, 10' Arm Spread	EA	60
851522	Aluminum Lighting Single Davit Arm, 20' Arm Spread	EA	60
	<b>PAVEMENT MARKINGS</b>		
824003	Flexible Delineators	EA	750
824005	Tubular Marker, White, 28'	EA	500
824006	Tubular Marker, White, 36'	EA	500
824007	Tubular Marker, Yellow, 28'	EA	500
824008	Tubular Marker, Yellow, 36'	EA	500
824009	Tubular Marker, Orange, 28'	EA	500
824010	Tubular Marker, Orange, 36'	EA	500
860001	Permanent Pavement Striping, Latex, 6"	LF	1,500
860004	Temporary Markings, Latex, 4"	LF	75,000
860007	Temporary Markings, Paint Latex, Symbol/Legend	SF	1,500
861001	Permanent Pavement Marking, Epoxy Resin Paint, 6"	LF	30,000
861002	Permanent Pavement Striping, Epoxy Resin Paint, 12"	LF	1,500
861003	Permanent Pavement Striping, Epoxy Resin Paint, Black, 3"	LF	3,500
861004	Permanent Pavement Striping, Epoxy Resin Paint, Black, 6"	LF	1,500
861005	Permanent Pavement Striping, Epoxy Resin Paint, Black, 9"	LF	1,500
861006	Permanent Pavement Striping, Epoxy Resin Paint, Black, 10"	LF	1,500
861007	Permanent Pavement Striping, Epoxy Resin Paint, Black, 16"	LF	1,500
862002	Permanent Pavement Striping, Alkyd-Thermoplastic, 6"	LF	1,500
862004	Permanent Pavement Striping, Alkyd-Thermoplastic, 12"	LF	1,500
862006	Permanent Pavement Striping, Alkyd-Thermoplastic, Symbol/Legend	SF	900
862501	Retroreflective Thermoplastic Markings, Bike Symbol, Poured in Place Using Template	EA	100
862502	Retroreflective Thermoplastic Markings, Pedestrian Symbol, Poured in Place Using Template	EA	20
863001	Preformed Retroreflective Markings, Alkyd-Thermoplastic, Accessible Parking Space Marking	EA	10
864001	Preformed Retroreflective Markings, Patterned, 6"	LF	1,500
864002	Preformed Retroreflective Markings, Patterned, 9"	LF	1,050
864003	Preformed Retroreflective Markings, Patterned, 10"	LF	1,500
864004	Preformed Retroreflective Markings, Patterned, 12"	LF	1,500
864007	Preformed Retroreflective Markings, Patterned 15", with Contrast	LF	1,500
864008	Preformed Retroreflective Markings, Patterned, Symbol/Legend	SF	2,000
865001	Temporary Markings, Tape, 4"	LF	1,500
865002	Temporary Markings, Tape, 6"	LF	1,500
865005	Temporary Markings, Tape, Symbol/Legend	SF	1,200

866001	Temporary Markings, Tape, Blackout, 6"	LF	3,600
866002	Temporary Markings, Tape, Blackout, 8"	LF	1,500
867001	Snowplowable Raised Pavement Marker	EA	1,500
867002	Snowplowable Raised Pavement Marker, Removal, Housing	EA	1,500
867003	Snowplowable Raised Pavement Marker, Removal, Lens	EA	1,500
868001	Pavement Marking, Removal	SF	15,000
	<b>GUARDRAIL</b>		
211002	Removal of Guardrail and Fence	LF	4,500
720006	Galvanized Steel Posts	EA	100
720008	Treated Wood Block	EA	100
720021	Galvanized Steel Beam Guardrail, Type 1-31	LF	6,000
720022	Galvanized Steel Beam Guardrail, Type 1-32	LF	500
720025	Guardrail over Culverts, Type 2-31	EA	6
720026	Guardrail over Culverts, Type 3-31	EA	6
720028	Curved Guardrail Section	LF	50
720033	Offset Blocks	EA	50
720037	Galvanized Steel Beam Guardrail, Type 1-31, Steep Slope	LF	150
721000	Guardrail End Treatment, Type 1-31, Test Level 2	EA	12
721001	Guardrail End Treatment, Type 1-31, Test Level 3	EA	75
721002	Guardrail End Treatment, Type 2-31, Test Level 2	EA	6
721003	Guardrail End Treatment, Type 2-31, Test Level 3	EA	6
721004	Guardrail End Treatment, Type 3-31	EA	6
721006	End Anchorage 31	EA	6
721007	Entrance Special End Anchorage	EA	6
721008	Buried in Slope	EA	15
721009	Guardrail to Barrier Connection (Exit Type 31)	EA	12
721010	Guardrail to Barrier Connection, Approach Type 1-31	EA	60
721012	Guardrail to Barrier Connection, Approach Type 3-32	EA	6