

STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION

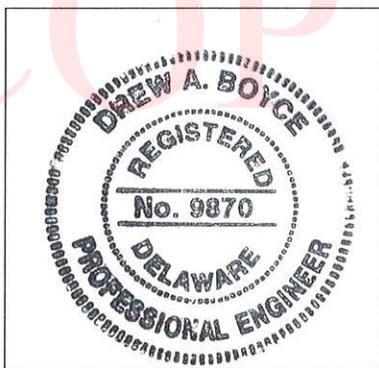


TRANSPORTATION SOLUTIONS  
CENTRAL & SOUTH DISTRICTS

PLANS AND SPECIFICATIONS FOR

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

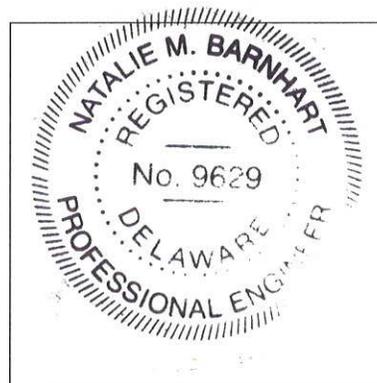
OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS,  
KENT AND SUSSEX



RECOMMENDED:

*Drew A. Boyce* 11/9/12

DIRECTOR  
DIVISION OF PLANNING



APPROVED:

*Natalie Barnhart* 11-5-12

CHIEF ENGINEER  
TRANSPORTATION SOLUTIONS

**CONTRACT DESCRIPTION**

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

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

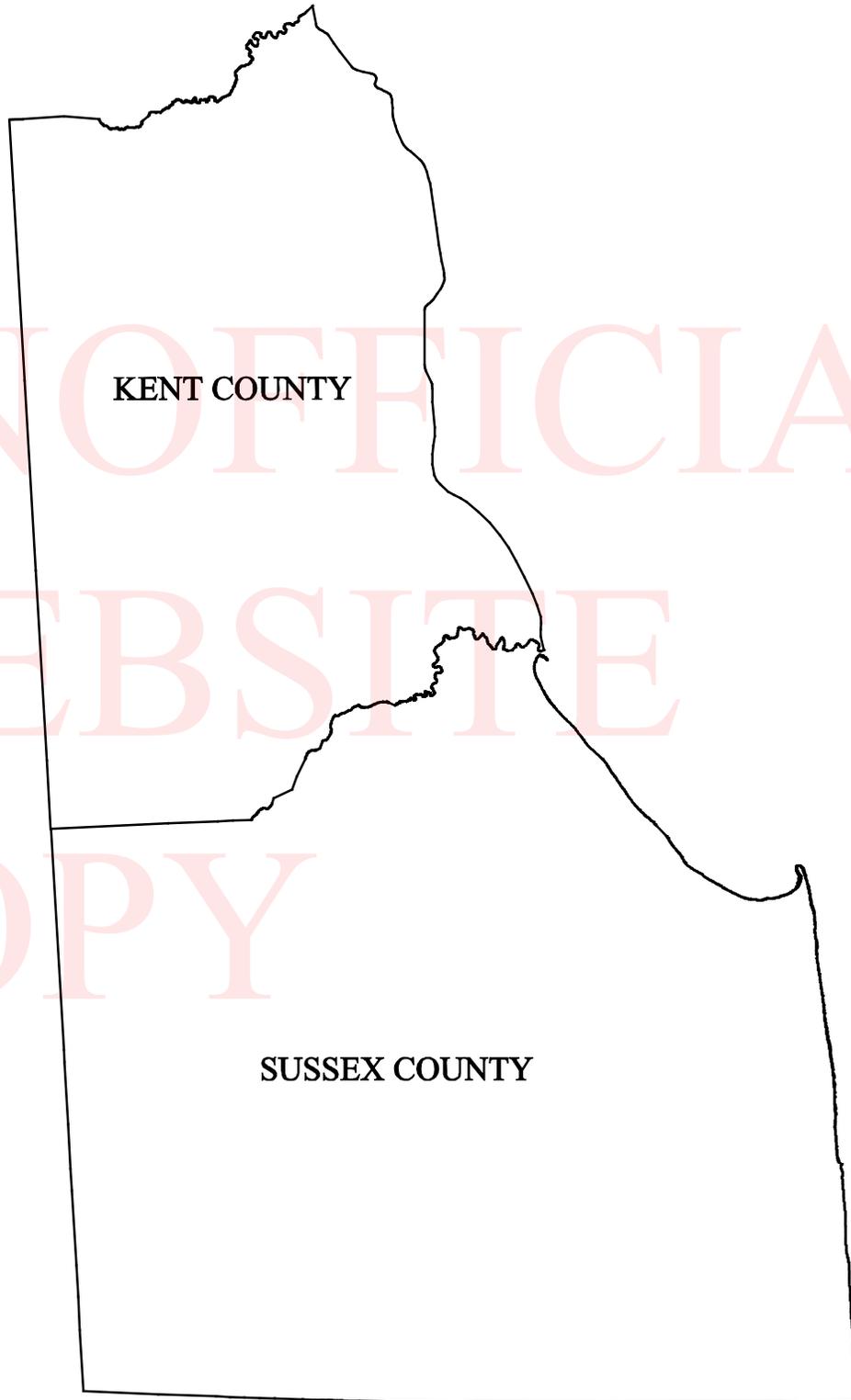
- CLEARING
- EXCAVATION
- GRADING
- PLACING ALL MATERIALS FOR TRAIL, SIDEWALK AND ROADWAY CONSTRUCTION
- CONSTRUCTION OF BOTH OPEN AND CLOSED DRAINAGE SYSTEMS
- PLACEMENT OF EROSION AND SEDIMENT CONTROLS
- MAINTENANCE OF TRAFFIC
- SIGNING AND STRIPING
- SIGNAL SYSTEM AND LIGHTING WORK
- GUARDRAIL PLACEMENT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

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

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

**LOCATION MAP**

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



**PROJECT NOTES**

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

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

- d. FAILURE TO COMPLETE THE WORK IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSUE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.08 OF THE STANDARD SPECIFICATIONS. EACH WORK ORDER IS TO BE COMPLETED WITHIN THE SPECIFIED TIME. ADDITIONAL ITEMS AND/OR WORKING DAYS MAY BE ADDED TO ANY WORK ORDER AS NEEDED AT THE DISCRETION OF THE ENGINEER. IF THE WORK ON A SPECIFIC WORK ORDER IS NOT COMPLETED WITHIN THE ALLOCATED TIME, LIQUIDATED DAMAGES WILL BE ASSESSED IN ACCORDANCE WITH SUBSECTION 108.09 OF THE STANDARD SPECIFICATIONS BASED ON THE TOTAL VALUE OF THAT PARTICULAR WORK ORDER.
- e. THE CONTRACTOR MAY HAVE UP TO THREE (3) ACTIVE WORK ORDERS AT A TIME UNTIL ALL ASSIGNED WORK HAS BEEN COMPLETED. THE CONTRACTOR IS REQUIRED TO HAVE ENOUGH RESOURCES TO WORK ON TRAIL AND STREETScape CONSTRUCTION FOR ALL WORK ORDERS ISSUED, WITH THE ABILITY TO PROVIDE ADDITIONAL WORKING CREWS IF REQUESTED BY THE ENGINEER.

- 10. A SEMI-FINAL INSPECTION WILL BE PERFORMED ON EACH WORK-ORDER AFTER THE DEPARTMENT RECEIVES COPIES OF THE COMPLETED WORK-ORDERS FROM THE CONTRACTOR. ALL WORK MUST MEET THE DEPARTMENT'S SPECIFICATIONS AND THE REQUIREMENTS AS OUTLINED IN THESE NOTES. THE CONTRACTOR MUST COMPLETE ANY PUNCHLIST WORK WITHIN THIRTY (30) DAYS OF EACH SEMI-FINAL INSPECTION, UNLESS THE ENGINEER APPROVES OTHERWISE.

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

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

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

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

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

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

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

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

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

ADJUSTMENTS FOR ADEQUATE CLEARANCES IF NECESSARY.

22. ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING STATE RIGHT-OF-WAY UNLESS OTHERWISE NOTED ON THE WORK ORDER. RIGHT-OF-WAY INFORMATION SHALL BE AVAILABLE UPON REQUEST FROM THE DELDOT ENGINEER.
23. SEASONAL RESTRICTIONS MAY EXIST AT SELECT LOCATIONS TO BE PERFORMED UNDER THIS CONTRACT. THE DEPARTMENT WILL NOTIFY THE CONTRACTOR AT TIME OF AWARD OF THIS CONTRACT OF ANY RESTRICTIONS ON AN ANTICIPATED WORK ORDER BASIS.
24. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL CORRECT ALL PAVEMENT EDGE DROP OFFS WITHIN 10' OF A TRAVEL LANE TO RESULT IN A DROP OFF OF NO MORE THAN 2". ANY CORRECTIVE MEASURES TAKEN BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE MOT ITEMS.
25. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT UNLESS OTHERWISE APPROVED BY THE ENGINEER. ONLY CALIBRATED VOLUMETRIC CONCRETE TRUCKS WILL BE PERMITTED TO PROVIDE ON-SITE MIXTURES. THIS PERTAINS TO BOTH WORK OCCURRING DURING NORMAL WORKING HOURS AND NIGHTTIME RESTRICTED WORK.

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

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

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

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

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

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

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

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

LOCATION 1  
 JUNCTION AND BREAKWATER, SHOWFIELD EXTENSION

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

LOCATION 2  
 GARFIELD PARKWAY STREETScape IMPROVEMENTS

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

LOCATION 3  
 WOOTEN ROAD PEDESTRIAN IMPROVEMENTS (TRAP POND)

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

DELAWARE DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO: T201230008  
 OPEN END CONSTRUCTION SERVICES, STATEWIDE TRAILS, KENT AND SUSSEX

LOCATION 4  
 KILLEN'S POND MULTI USE PATH IMPROVEMENTS

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