

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION  
OFFICE OF TRANSPORTATION SOLUTIONS  
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER- T201407503 CENTRAL MAINTENANCE  
FEDERAL AID NUMBER- EBHN-2014(23) PAGE 1 OF 12  
CONTRACT TITLE- STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

PLANS PREPARED BY: *[Signature]*  
CENTRAL DISTRICT DESIGN ENGINEER

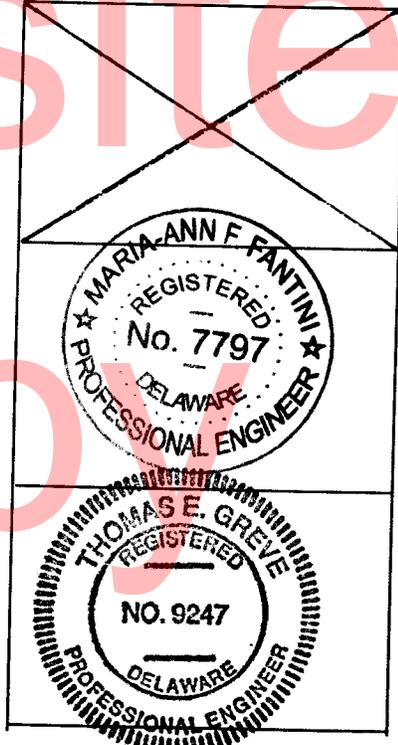
DATE RECOMMENDED: \_\_\_\_\_

\_\_\_\_\_  
CENTRAL DISTRICT CONTRACTS ENGINEER

DATE RECOMMENDED: 5/20/14

*Maria Ann F. Fantini*  
CENTRAL DISTRICT MAINTENANCE ENGINEER

DATE APPROVED: 5/21/14  
*[Signature]*  
CENTRAL DISTRICT ENGINEER



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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

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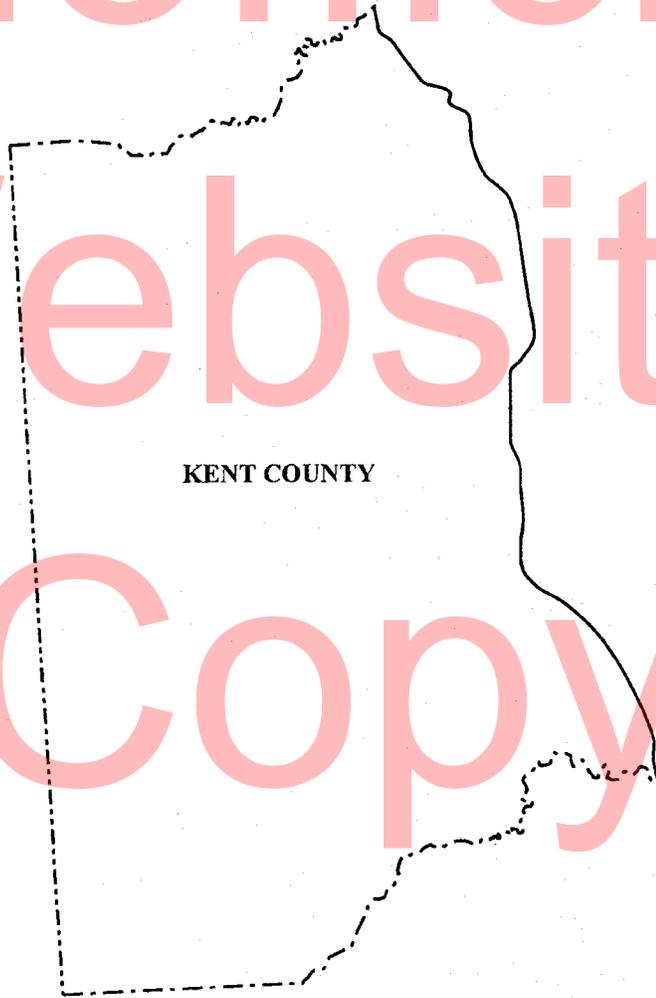
LOCATION MAP

Unofficial

Website

KENT COUNTY

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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

NOTES

**GENERAL**

1. CONSTRUCTION OF THIS CONTRACT SHALL CONFORM TO DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED AUGUST 2001 AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS, THE SPECIAL PROVISIONS, THE MOST RECENT STANDARD CONSTRUCTION DETAILS, AND THESE PLANS.

2. THE PURPOSE OF THIS CONTRACT IS TO MAKE REPAIRS AND OR REHABILITATION OF EXISTING BRIDGE STRUCTURES LOCATED WITHIN THE CENTRAL DISTRICT. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE LOCATIONS AND/OR QUANTITIES FOR THIS CONTRACT.

**LENGTH OF CONTRACT:**

THE PERIOD OF THIS CONTRACT IS FROM THE DATE OF THE "NOTICE TO PROCEED" FOR THREE (3) CALENDAR YEARS. THE DOLLAR VALUE ESTIMATED TO BE UTILIZED IN EACH OF THE THREE YEARS IS APPROXIMATELY ONE THIRD OF THE ENTIRE CONTRACT AWARD VALUE.

**PRICE ADJUSTMENT:**

THE BID PRICES IN THE CONTRACT MUST BE GUARANTEED FOR THE FIRST YEAR OF THE CONTRACT. FUTURE YEARS IS DEPENDENT ON LEGISLATIVE APPROPRIATIONS FOR THESE FISCAL YEARS AND AGREEMENT ON YEAR'S TWO AND THREE PRICING AS DESCRIBED HERIN. FOR THE SECOND AND THIRD YEAR OF THE CONTRACT, THE DEPARTMENT OR VENDOR MAY REQUEST ONE INCREASE IN EACH UNIT PRICE PER YEAR. THE ASPHALT CEMENT COST BASE PRICE REMAINS UNCHANGED UNLESS EFFECTED UNIT PRICES ARE CHANGED.

IF THE PRICE DIFFERENCE REQUESTED EXCEEDS THE CHANGE IN THE NATIONWIDE ALL URBAN CONSUMER PRICE INDEX (CPI-U), U.S. CITY AVERAGE FOR THE PREVIOUS TWELVE MONTHS, APPROVAL OF ANY PRICE ADJUSTMENT ABOVE THE CPI-U WILL BE AT THE DISCRETION OF THE DISTRICT ENGINEER.

THE DEPARTMENT RETAINS THE RIGHT TO CANCEL THE CONTRACT WITHOUT LIABILITY OR PENALTY IF ACCEPTABLE AGREEMENT CANNOT BE REACHED WITH THE VENDOR ON THE PRICE ADJUSTMENT. THE SUCCESSFUL BIDDER MAY EXTEND THE CONTRACT PRICE TO ANY OTHER STATE OR LOCAL AGENCY DURING THE CONTRACT PERIOD IF IT IS AGREEABLE WITH BOTH PARTIES.

THE CPI-U IS CALCULATED AS FOLLOWS:

CURRENT CPI-U - CPI-U AT PURCHASE ORDER DATE = CPI-U DIFFERENCE

DIVIDE THE CPI-U DIFFERENCE BY CPI-U AT PURCHASE ORDER DATE = CPI-U FACTOR

MOVE THE FACTOR DECIMAL POINT OVER TWO (2) SPACES GIVES YOU THE % INCREASE FOR THE TIME PERIOD AND MAXIMUM ALLOWABLE PERCENTAGE INCREASE FOR THAT PURCHASE.

EXAMPLE:     173.2 - 165.4 = 7.8 (DIFFERENCE)  
                  7.8 / 165.4 = .047158403 (FACTOR)  
                  4.71% CPI-U FOR THAT PERIOD

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3. THE DEPARTMENT RESERVES THE RIGHT TO TERMINATE THE CONTRACT FOR FAILURE TO MEET THE PROVISIONS OF THE CONTRACT.

4. THE LOCATION LISTING IS A SUMMARY OF ALL IMPROVEMENTS, AND ESTIMATED QUANTITIES. ACTUAL LOCATION WORK WITH APPLICABLE QUANTITIES IS DESCRIBED IN THE PROJECT NOTES SECTION LISTED BELOW. 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 DISTRICT ENGINEER OR HIS REPRESENTATIVE.

5. PERFORMANCE AND PROGRESS OF WORK:

WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE GENERATED THROUGH WORK ORDERS ISSUED TO THE CONTRACTOR BY THE DEPARTMENT'S CENTRAL DISTRICT. WORK ORDERS WILL BE ISSUED AS A GROUP TO ALLOW THE MOST EFFICIENT ALLOCATION OF THE CONTRACTOR'S WORK FORCE AS THE SITUATION ALLOWS.

EXECUTION OF EACH WORK ORDER GROUP IS TO BEGIN WITHIN FOUR (4) DAYS OF IT'S BEING ISSUED TO THE CONTRACTOR, UNLESS REQUIRED MATERIALS ARE NOT AVAILABLE, AND WORK WILL BE COMPLETED WITHIN THE TIME FRAME ALLOCATED ON THE WORK ORDER. NON-AVAILABILITY OF MATERIAL 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.

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 GROUP SHALL COMMENCE. IF THERE IS A VERIFIED NON-AVAILABILITY OF MATERIALS, TIME CHARGES SHALL COMMENCE ON THE FOURTH (4) WORKING DAY FOLLOWING THE DELIVERY DATE.

THE DEPARTMENT WILL ATTEMPT TO ASSIGN WORK-ORDERS IN A MANNER THAT WILL KEEP THE DISTANCE BETWEEN JOB ORDER LOCATIONS TO A MINIMUM AND IN A LOGICAL CONSTRUCTION SEQUENCE.

FAILURE TO COMPLETE A WORK GROUP 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 OR GROUP OF WORK ORDERS 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 GROUP 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 OR WORK ORDER GROUP, WHICHEVER IS APPLICABLE.

A SEMI-FINAL INSPECTION WILL BE PERFORMED ON EACH WORK ORDER OR WORK ORDER GROUP AFTER THE DEPARTMENT RECEIVES COPIES OF THE COMPLETED WORK ORDERS FROM THE CONTRACTOR. ALL WORK MUST MEET THE DEPARTMENT'S SPECIFICATIONS, THE REQUIREMENTS AS OUTLINED IN THESE NOTES, AND THOSE WORK ORDERS PERTAINING TO GUARDRAIL END TREATMENTS MUST MEET THE MANUFACTURER'S SPECIFICATIONS BEFORE THEY CAN BE CONSIDERED COMPLETE. IF ALL THE WORK ORDERS ARE SATISFACTORILY COMPLETED, THE WORK WILL BE ACCEPTED BY THE DEPARTMENT, AT WHICH TIME THE WORK ORDER OR WORK ORDER GROUP WILL BE CONSIDERED

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CLOSED. UPON CLOSURE, THE DEPARTMENT WILL PROCESS THE CONTRACTOR'S INVOICES FOR THE SPECIFIC WORK ORDERS.

5. PAYMENTS SHALL BE ISSUED ON A MONTHLY BASIS FOR THE AMOUNT OF WORK COMPLETED, INVOICED AND ACCEPTED BY THE DEPARTMENT.

6. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS WHO LIVE ADJACENT TO THE WORK ZONE WITH A MINIMUM 48 HR. PRIOR WRITTEN NOTICE FOR THE START OF CONSTRUCTION WORK. THIS NOTIFICATION SHALL INCLUDE THE SCOPE OF WORK, WORKING HOURS, ANTICIPATED START AND COMPLETION DATES, CONTRACTOR NAME & ADDRESS, AND DELDOT CONTACT NUMBERS. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.

8. THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.04 PRIOR TO OR AT THE PRECONSTRUCTION MEETING. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. DURING THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TWO-WEEK (OR AS REQUIRED) "LOOK AHEAD" SCHEDULES TO THE AREA ENGINEER/ MANAGER NO LATER THAN NOON OF EACH THURSDAY. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

**MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS**

9. THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS (INCLUDING BUT NOT LIMITED TO LANE AND SHOULDER WIDTHS, TURN LANE LENGTHS, LOCATIONS OF STOP BARS, TURN ARROWS, AND RAILROAD CROSSINGS) THAT DEPICT THE EXISTING PAVEMENT MARKINGS FOR EACH PROJECT LOCATION A MINIMUM OF TWO WEEKS PRIOR TO THE START OF WORK AT EACH LOCATION. FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE FINAL PAVEMENT MARKINGS SHALL BE PLACED WITHIN FIVE (5) CALENDAR DAYS AFTER THE PLACEMENT OF THE FINAL COURSE OF HOT-MIX. FAILURE TO COMPLY WILL RESULT IN SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. THE DEPARTMENT WILL PROVIDE STRIPING LAYOUT AT LOCATIONS WHERE NO PAVEMENT MARKINGS PREVIOUSLY EXISTED. IF DEPARTMENT FORCES PROVIDE STRIPING LAYOUT ON LOCATIONS WHERE MARKINGS PREVIOUSLY EXISTED, THEN THE CONTRACTOR SHALL REIMBURSE THE DEPARTMENT FOR THE LAYOUT COSTS. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, WHITE EDGE LINES SHALL WRAP AROUND THE RADIUS OF ALL SIDE STREETS AND MAJOR COMMERCIAL ENTRANCES TO A TANGENT POINT. YELLOW CENTERLINES SHALL BE CONTINUOUS AROUND MEDIAN ISLANDS. THE CONTRACTOR SHALL BE REQUIRED TO SHOW PROOF THAT HE HAS SUFFICIENT APPROVED STRIPING MATERIALS ON HAND TO ENSURE STRIPING IS COMPLETED PRIOR TO FULL OPENING ROADWAY TO TRAFFIC.

10. ANY ERRONEOUS MARKING 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.

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Breakdown Sheet 1 - 763643 - Maintenance of Traffic, All Inclusive

Location No.	Location Description	Working Hours	Primary MOT Case Set-ups	UOM
1	2 open-end locations in Kent county	Daytime	TA-12	LS
1	2 open-end locations in Kent county	Daytime	TA-28	LS
1	2 open-end locations in Kent county	Daytime	TA-29	LS
1	2 open-end locations in Kent county	Daytime	TA-36	LS
Total Item 763643 - Maintenance of Traffic, All Inclusive:				

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11. 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.

12. INTERNATIONAL CROSSWALK SYMBOLS WILL BE PLACED AT ALL EXISTING CROSSWALK LOCATIONS OR OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE STRIPING ITEMS.

13. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL REASONABLY PROVIDE THE LEAST PRACTICABLE OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN, AND BICYCLE TRAFFIC, AND SHALL CONFORM TO THE REQUIREMENTS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT FOR BIDS.

14. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING THE NECESSARY NCHRP 350 AND/OR MASH CERTIFICATIONS FOR ALL DEVICES THAT WILL BE UTILIZED, FOR EACH LOCATION BEFORE THE START OF THE PRE-CONSTRUCTION MEETING. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION. TRAFFIC CONTROL PLANS AND PROPOSED TIME RESTRICTIONS FOR EACH AND EVERY LOCATION SHALL BE SUBMITTED TO THE CENTRAL DISTRICT SAFETY OFFICER TWO (2) WEEKS PRIOR TO THE ANTICIPATED START OF WORK.

15. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH THE TRAFFIC CONTROL MANUAL AND WITH NCHRP REPORT 350 AND /OR MASH AS DEFINED IN SECTION "A" OF THE MANUAL. THE DEVICES SHALL BE APPROVED BY THE DISTRICT SAFETY OFFICER PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

16. THE SPECIAL PROVISION FOR ITEM 720567 FURNISHING PORTABLE PCC BARRIER IS HEREBY MODIFIED TO INCLUDE ALL REFLECTORS AND WARNING LIGHTS PAYABLE UNDER SECTION 720567 AND NOT AS SEPARATE PAY ITEMS.

17. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN FACILITIES AT ALL TIMES DURING CONSTRUCTION. EARTH, STONE, AND GRAVEL SURFACES ARE NOT ACCEPTABLE FOR PROVIDING PEDESTRIAN ACCESS. WHERE PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED USING TA-28 AND/OR TA-29 OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR TO THE SATISFACTION OF THE ENGINEER. PEDESTRIAN DETOUR ROUTES OR ALTERNATE PEDESTRIAN FACILITIES SHALL CONSIST OF ADA COMPLIANT FACILITIES TO THE LEVEL OF WHICH EXISTS ON THE PEDESTRIAN ROUTE. THE COST FOR ANY PROVISIONS SHALL BE INCIDENTAL TO ITEM 763643 - MAINTENANCE OF TRAFFIC.

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:

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- 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.
- MAINTAIN ACCESS TO ALL BUSINESS AND RESIDENTS AT ALL TIMES.
- PROVIDE PEDESTRIAN ACCESS THRU 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.
- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED
- 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.
- 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.
- 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 1/4 IN. IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

**PROJECT**

18. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

19. AFTER PAVEMENT MILLING, ALL TRANSVERSE VERTICAL DIFFERENCES, RAISED EDGES OF MANHOLES, CATCH BASINS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH HOT-MIX TRM AT A 20:1 OR FLATTER SLOPE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. PAVEMENT MILLINGS WILL NOT BE ALLOWED FOR THIS PURPOSE.

20. ALL PAVING, INCLUDING TURN LANES, SHOULDERS AND INTERSECTIONS, IS TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF EACH DAY'S MILLING OPERATION. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

21. WHEN CLEANING AFTER A ROTOMILLING OPERATION, THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBS, ETC. SO AS TO NOT DISTURB THE EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTH. ANY DAMAGE CAUSED BY CONTRACTORS OPERATION MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE REMAINING AFTER ROTOMILLING OPERATIONS SHALL BE INCIDENTAL TO THE ROTOMILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE ROTOMILLING ITEMS.

22. 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.

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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

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NOTES

23. 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.

24. NO STEEL PLATES WILL BE ALLOWED ON THIS PROJECT.

25. TA-28 MAINTENANCE OF TRAFFIC TWO LANE TWO WAY WITH LANE CLOSURE SHALL ONLY BE PAID ONE TIME PER ROADWAY LOCATION REGARDLESS OF WHETHER OR NOT BOTH LANES WILL HAVE TO BE SEQUENCED FOR CLOSURE.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PLACEMENT OF ALL REMEDIAL DEVICES REQUIRED TO INSURE NO DEBRIS FROM CONSTRUCTION ARE ENTERED INTO STREAMS OR BODIES OF WATER AND/OR ONTO A ROADWAY LOCATED BENEATH THE STRUCTURE.

27. UNDER ITEMS 602572-REPAIRING EXISTING PCC STRUCTURES AND ITEM 602586 REHABILITATION OF CONCRETE STRUCTURE, SAWCUTS (AS SHOWN IN THE INCLUDED DETAIL) MAY BE NECESSARY TO PROPERLY PREPARE THE SURFACE TO BE REPAIRED OR REHABILITATED. PAYMENT FOR THE SAWCUTTING SHALL BE INCIDENTAL TO THE PRICES BID FOR THE RESPECTIVE REPAIR OR REHABILITATION ITEMS.

28. 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 THE DEL DOT ENVIRONMENTAL SECTION AT 302-760-2264

29. 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

30. IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S RIGHT OF WAY. SHOULD THE NEED OCCUR 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.

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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

LOCATION 1 (VARIOUS BRIDGES IN KENT COUNTY) FROM TO

LENGTH  
GENERAL IMPROVEMENTS  
STRUCTURE MAINTENANCE

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 1

302007	GRADED AGGREGATE BASE COURSE, TYPE B	17.00 C.Y.
302011	DELAWARE NO. 3 STONE	28.00 TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	75.00 TON
406001	BITUMINOUS CONCRETE PATCHING	50.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	204.00 L.F.
503502	CRACK AND JOINT SEALING 3/4" TO 1 3/4" WIDE	472.00 L.F.
602001	PORTLAND CEMENT CONCRETE MASONRY, CLASS A	94.00 C.Y.
602547	WATERPROOFING BRIDGE DECKS, SIDEWALKS ETC.	4,156.00 S.F.
602572	REPAIRING EXISTING P.C.C. STRUCTURES	495.00 LB
602579	DRILLING HOLES AND INSTALLING DOWELS	150.00 EACH
602580	PARTIAL REMOVAL OF P.C.C. MASONRY	6.00 C.Y.
602586	REHABILITATION OF CONCRETE STRUCTURE	264.00 C.F.
602611	REPAIR OF CONCRETE STRUCTURES BY EPOXY INJECTION	1,823.00 L.F.
602629	CRACK SEALING BRIDGE DECKS, APPROACH SLABS, SIDEWALK, ETC.	3,923.00 L.F.
602646	SILICONE ACRYLIC CONCRETE SEALER	2,352.00 S.F.
602734	BRIDGE DECK PATCHING, POLYESTER POLYMER CONCRETE	49.00 SY-IN
604000	BAR REINFORCEMENT, EPOXY COATED	5,486.00 LB
605510	PREFABRICATED EXPANSION JOINT SYSTEM, 2"	208.00 L.F.
605636	CLEAN AND LUBRICATE BRIDGE BEARINGS	100.00 EACH
605692	SILICONE JOINT SEAL	403.00 L.F.
606509	REPAIRING METAL BRIDGE RAILING, ALUMINUM	20.00 L.F.
712020	RIPRAP, R-4	29.00 TON
712023	RIPRAP, R-7	332.00 TON
712524	CONCRETE SLOPE PAVING REPAIR, 4"	40.00 S.Y.
743003	ARROWPANELS, TYPE C	398.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	190.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	25.00 EA-DY
743006	PLASTIC DRUMS	11,173.00 EA-DY

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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

LOCATION 1 (VARIOUS BRIDGES IN KENT COUNTY) FROM TO

LENGTH

GENERAL IMPROVEMENTS

STRUCTURE MAINTENANCE

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 1

743008	REFLECTOR PANELS	29.00 EACH
743015	FURNISH AND MAINTAIN PORTABLE PCC SAFETY BARRIER	200.00 L.F.
743016	RELOCATION PORTABLE SAFETY BARRIER	480.00 L.F.
743023	TEMPORARY BARRICADES, TYPE III	4,788.00 LFDY
743024	TEMPORARY WARNING SIGNS AND PLAQUES	144.00 EA-DY
743025	INSTALL TEMPORARY IMPACT ATTENUATOR	5.00 EACH
743026	FURNISH TEMPORARY IMPACT ATTENUATOR - GATING NON- REDIRECTIVE, TEST-LEVEL 2	5.00 EACH
743051	FLAGGER, KENT COUNTY, STATE	618.00 HOUR
743063	FLAGGER, KENT COUNTY, STATE, OVERTIME	159.00 HOUR
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	390.00 L.F.
760006	PAVEMENT - MILLING, HOT-MIX, 2" DEPTH	1,280.00 S.Y.
762001	SAW CUTTING, HOT MIX	350.00 L.F.
909005	STREAM DIVERSION	1.00 L.S.

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STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017

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CONTRACT QUANTITIES SUMMARY SHEET

302007	GRADED AGGREGATE BASE COURSE, TYPE B	17.00 C.Y.
302011	DELAWARE NO. 3 STONE	28.00 TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	75.00 TON
406001	BITUMINOUS CONCRETE PATCHING	50.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	204.00 L.F.
503502	CRACK AND JOINT SEALING 3/4" TO 1 3/4" WIDE	472.00 L.F.
602001	PORTLAND CEMENT CONCRETE MASONRY, CLASS A	94.00 C.Y.
602547	WATERPROOFING BRIDGE DECKS, SIDEWALKS ETC.	4,156.00 S.F.
602572	REPAIRING EXISTING P.C.C. STRUCTURES	495.00 LB
602579	DRILLING HOLES AND INSTALLING DOWELS	150.00 EACH
602580	PARTIAL REMOVAL OF P.C.C. MASONRY	6.00 C.Y.
602586	REHABILITATION OF CONCRETE STRUCTURE	264.00 C.F.
602611	REPAIR OF CONCRETE STRUCTURES BY EPOXY INJECTION	1,823.00 L.F.
602629	CRACK SEALING BRIDGE DECKS, APPROACH SLABS, SIDEWALK, ETC.	3,923.00 L.F.
602646	SILICONE ACRYLIC CONCRETE SEALER	2,352.00 S.F.
602734	BRIDGE DECK PATCHING, POLYESTER POLYMER CONCRETE	49.00 SY-IN
604000	BAR REINFORCEMENT, EPOXY COATED	5,486.00 LB
605510	PREFABRICATED EXPANSION JOINT SYSTEM, 2"	208.00 L.F.
605636	CLEAN AND LUBRICATE BRIDGE BEARINGS	100.00 EACH
605692	SILICONE JOINT SEAL	403.00 L.F.
606509	REPAIRING METAL BRIDGE RAILING, ALUMINUM	20.00 L.F.
712020	RIPRAP, R-4	29.00 TON
712023	RIPRAP, R-7	332.00 TON
712524	CONCRETE SLOPE PAVING REPAIR, 4"	40.00 S.Y.
743003	ARROWPANELS, TYPE C	398.00 EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	190.00 EA-DY
743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY	25.00 EA-DY
743006	PLASTIC DRUMS	11,173.00 EA-DY
743008	REFLECTOR PANELS	29.00 EACH

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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201407503

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CENTRAL STRUCTURE MAINTENANCE, CENTRAL DISTRICT, FY 2015-2017  
MAINTENANCE

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CONTRACT QUANTITIES SUMMARY SHEET

743015	FURNISH AND MAINTAIN PORTABLE PCC SAFETY BARRIER	200.00 L.F.
743016	RELOCATION PORTABLE SAFETY BARRIER	480.00 L.F.
743023	TEMPORARY BARRICADES, TYPE III	4,788.00 LFDY
743024	TEMPORARY WARNING SIGNS AND PLAQUES	144.00 EA-DY
743025	INSTALL TEMPORARY IMPACT ATTENUATOR	5.00 EACH
743026	FURNISH TEMPORARY IMPACT ATTENUATOR - GATING NON- REDIRECTIVE, TEST-LEVEL 2	5.00 EACH
743051	FLAGGER, KENT COUNTY, STATE	618.00 HOUR
743063	FLAGGER, KENT COUNTY, STATE, OVERTIME	159.00 HOUR
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	390.00 L.F.
760006	PAVEMENT - MILLING, HOT-MIX, 2" DEPTH	1,280.00 S.Y.
762001	SAW CUTTING, HOT MIX	350.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM
909005	STREAM DIVERSION	1.00 L.S.

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