THE STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION

OFFICE OF TRANSPORTATION SOLUTIONS

PLANS AND SPECIFICATIONS FOR

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CONTRACT NUMBER- T201103202 CENTRAL MAINTENANCE

FEDERAL AID NUMBER- NONE

CONTRACT TITLE- CTF PROJECTS CENTRAL, FY 2011

PLANS PREPARED BY: _____
DESIGN TECHNICIAN

DATE RECOMMENDED: 2/16/11

_____
CENTRAL MAINTENANCE ENGINEER

DATE RECOMMENDED: 2/16/11

for _____
CENTRAL DISTRICT ENGINEER

DATE RECOMMENDED: _____

_____
CHIEF ENGINEER

MARIA ANN F. FANTINI REGISTERED No. 7797 PROFESSIONAL ENGINEER DELAWARE

DOUGLAS E. FINNEY REGISTERED NO. 8434 DELAWARE PROFESSIONAL ENGINEER

LOCATION MAP

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

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LOCATION MAP

LOCATION 2

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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. THIS IS AN OPEN-END WORK-ORDER DRIVEN CONTRACT, WITH ONE KNOWN LOCATION, TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS OR IMPROVE DRAINAGE LOCATED WITHIN THE BOUNDARIES OF KENT COUNTY. THE WORK SHALL BE AS THE ENGINEER OR REPRESENTATIVE REQUIRES OR DIRECTS VIA INDIVIDUAL WORK-ORDERS. SUBSECTION 104.05 WILL NOT APPLY TO THIS CONTRACT.

DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE LOCATIONS AND/OR QUANTITIES FOR THIS CONTRACT. SUCH LOCATION OR QUANTITY ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. NO ITEM PRICES ARE TO BE RENEGOTIATED DUE TO EITHER AN INCREASE OR DECREASE IN QUANTITY USAGE RESULTING FROM ADDITION OR DELETION OF LOCATIONS.

THE INITIAL EXPENSE ITEM 763000, AS BID, IS FOR THE TOTAL VALUE OF THE CONTRACT.

USE THE FOLLOWING FORMULA FOR CALCULATING 763000 FOR EACH PAY ESTIMATE:

X = COMPLETED WORK FOR ONE PAY ESTIMATE
Y = ITEM 763000 BID PRICE
Z = CONTRACT BID TOTAL

(Y / Z) * X = PAYMENT FOR ITEM 763000 FOR EACH PAY ESTIMATE

THE FINAL ESTIMATE VALUE FOR ITEM 763000 MAY BE HIGHER OR LOWER THAN THE BID PRICE BASED ON WORK COMPLETED DURING THE CONTRACT, AS PER ABOVE FORMULA.

NOTE THAT MOBILIZATION FOR ALL LOCATIONS IS INCIDENTAL TO ITEM 763000 INITIAL EXPENSE.

ALSO NOTE THAT NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY ADDITIONAL MOBILIZATIONS REQUESTED BY THE DISTRICT WHICH, WHEN ADDED TOGETHER WITH ALL THE ALREADY PERFORMED WORK PLUS INCREASED/DECREASED LOCATIONS, DOES NOT EXCEED THE TOTAL AWARD PRICE OF THE CONTRACT.

IN ALL CASES, MAINTENANCE OF TRAFFIC (MOT) WILL BE PAID FOR ONCE AT EACH AND EVERY LOCATION, UNLESS THE ITEM IS DEEMED NOT NECESSARY AND IS NOT UTILIZED AT A PARTICULAR LOCATION.

THE DISTRICT RESERVES THE RIGHT TO PRIORITIZE, SUBSTITUTE, ADD, OR DELETE LOCATIONS AT ANYTIME DURING THE CONTRACT.

LENGTH OF CONTRACT: THE PERIOD OF THIS CONTRACT IS FROM THE DATE OF THE "NOTICE TO PROCEED" FOR ONE (1) CALENDAR YEAR. THE DOLLAR VALUE ESTIMATED TO BE UTILIZED IN EACH OF

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NOTES

THE TWO YEARS SHALL BE APPROXIMATELY ONE-HALF OF THE ENTIRE CONTRACT AWARD VALUE WITH THE ONE SUBSEQUENT YEAR BEING AN ADDITIONAL ONE-HALF.

CONTRACT EXTENSION: THE DEPARTMENT RESERVES THE RIGHT TO REQUEST TO EXTEND THIS CONTRACT FOR ONE ADDITIONAL YEAR AT THE ORIGINAL UNIT BID PRICES. THE ONE-YEAR EXTENSION MUST BE APPROVED BY THE DEPARTMENT IN WRITING, AT LEAST 90 DAYS PRIOR TO EXPIRATION OF THE EXISTING CONTRACT.

3. PERFORMANCE AND PROGRESS OF WORK:

WORK PERFORMED UNDER THIS CONTRACT SHALL BE GENERATED THROUGH WORK-ORDERS THE DEPARTMENT'S CENTRAL DISTRICT ISSUES TO THE CONTRACTOR.

EXECUTION OF EACH WORK-ORDER IS TO BEGIN WITHIN FOURTEEN (14) DAYS OF ITS BEING ISSUED TO THE CONTRACTOR AND BE COMPLETE WITHIN THE TIME FRAME ALLOCATED ON THE WORK-ORDER, UNLESS REQUIRED MATERIALS ARE NOT AVAILABLE. 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) 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 SHALL COMMENCE. IF THERE IS A VERIFIED NON-AVAILABILITY OF MATERIALS, TIME CHARGES SHALL COMMENCE ON THE FIFTEENTH (15) DAY FOLLOWING THE DELIVERY DATE.

FAILURE TO COMPLETE A WORK-ORDER 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 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 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 AND THE REQUIREMENTS AS OUTLINED IN THESE NOTES. THE CONTRACTOR MUST COMPLETE ANY PUNCHLIST WORK WTHIN THIRTY (30) DAYS OF THE EACH SEMI-FINAL INSPECTION, UNLESS THE ENGINEER APPROVES OTHERWISE.

ALL WORK IS SUBJECT TO FINAL INSPECTION UPON CONTRACT 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.

4. LOCATION LISTINGS INDICATE GENERAL LIMITS OF CONSTRUCTION, MAJOR TYPES OF IMPROVEMENTS, AND ESTIMATED QUANTITIES. DURING THE BIDDING PERIOD, ANY QUESTIONS PERTAINING TO LOCATIONS SHALL BE DIRECTED TO THE CONTRACT ADMINISTRATOR. AFTER THE

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NOTES

AWARD, SUCH QUESTIONS SHALL BE REFERRED TO THE APPROPRIATE DISTRICT ENGINEER OR REPRESENTATIVE.

5. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS WHO LIVE ADJACENT TO THE WORK ZONE WITH A MINIMUM 48-HOUR 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. PROVIDE SAMPLE NOTICE DOCUMENT AT THE PRECONSTRUCTION MEETING FOR APPROVAL

6. 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 CONTRACT 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

7. 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 OF 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.

8. 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.

9. AT THE END OF EACH DAY'S OPERATION AND BEFORE RETURNING TRAFFIC TO UNRESTRICTED ROADWAY USE, TEMPORARY STRIPING SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT

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NOTES

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.

10. 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.

11. 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 TRAFFFIC CONTROL DEVICES, PART 6, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT FOR BIDS.

12. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING THE NECESSARY NCHRP 350 CERTIFICATIONS FOR ALL DEVICES THAT WILL BE UTILIZED, FOR EACH LOCATION, BEFORE THE START OF THE PRECONSTRUCTION MEETING. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION.

13. 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 AS DEFINED IN PART 6 OF THE MANUAL. THE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

14. 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 *AMERICAN 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:

- 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 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.
- PHASE THE WORK 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 CONSTRUCITON 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 INCHES INTO ACCESSIBLE PEDESTRIAN ROUTE.

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- 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 THAT 1/4 INCHES IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

PROJECT

15. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

16. ANY PAVING WHICH CONSISTS OF A 200 FOOT OR MORE STRAIGHT LINE PAVE, REGARDLESS OF THE SPECIFIED WIDTH (4 FOOT MINIMUM) WILL BE CONSIDERED HOT-MIX PAVING AND SHALL BE PAID UNDER THE BID PRICE FOR THE RESPECTIVE SUPERPAVE PAVING ITEM EITHER 401644, 401647, OR 401711. ANY PAVING LESS THAN 200 LINEAL FEET, WILL BE PAID UNDER THE UNIT PRICE BID FOR EITHER 401665, 401666, OR 401667.

17. IN LOCATIONS WHERE ANY SPECIFIC HOT-MIX PATCH EXCEEDS 25 LINEAL FEET (4 FOOT MINIMUM WIDTH), THE CONTRACTOR SHALL BE REQUIRED TO MILL THE EXISTING MATERIAL AND PAYMENT WILL BE MADE UTILIZING THE UNIT PRICE BID FOR THE APPLICABLE PAVEMENT-MILLING HOT-MIX ITEM. FOR HOT-MIX PATCHES OF 25 FEET OR LESS, PAYMENT FOR EXCAVATION SHALL BE MADE AT THE UNIT PRICE BID FOR HOT-MIX PATCHING ITEM 406001, REGARDLESS OF THE REMOVAL METHOD CHOSEN BY THE CONTRACTOR TO PERFORM THE WORK.

18. WITH THE EXCEPTION OF BUTT-JOINTS, AND UNLESS OTHERWISE NOTED IN THE PLANS OR DETAILS, SAWCUTTING HOT-MIX SHALL BE PAID UNDER ITEM 762001.

19. THE COST OF CLIPPING THE EDGES BACK, PICKING UP AND DISPOSING OF EXCESS SOD AND SWEEPING AND CLEANING EXISTING PAVEMENT PRIOR TO OVERLAY SHALL BE INCIDENTAL TO ALL ITEMS IN SECTION 401.

ENGINEER MUST DEEM ALL PREPARATION, INCLUDING VEGETATION REMOVAL, IS SATISFACTORY PRIOR TO CONTRACTOR CONTINUING WITH WORK.

20. BUTT JOINTS SHALL BE PLACED AT ALL INTERSECTING HOT MIX ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL OR LOCATION NOTES. BUTT JOINTS CUT PRIOR TO THE DAY OF THE PAVEMENT OVERLAY SHALL BE RAMPED WITH HOT MIX TRM. PAVEMENT MILLINGS WILL NOT BE ALLOWED FOR THIS PURPOSE. BUTT JOINTS, IN FULL MILL AREAS SHALL BE INCIDENTAL TO THE MILLING ITEM. IN MILLED AREAS, THERE WILL BE NO SEPARATE PAYMENT FOR BUTT JOINTS AS THE REMOVAL AND CLEANUP OF THE HOT MIX RESIDUE WEDGE LEFT FROM MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM

21. TAPER MILLING IS INTENDED FOR MILLING IN THE AREA OF FIXED STRUCTURES (I.E. CURBS GUARDRAIL, ETC.) THE MILLED DEPTH AT THE STRUCTURE SHALL BE THE DEPTH OF THE PROPOSED OVERLAY AND 0" AT A DISTANCE OF +/- 6½' FROM THE STRUCTURE. THE COMPUTED DEPTH FOR PAYMENT PURPOSES IS THE AVERAGE OF THE TWO DEPTHS.

22. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED.

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23. CATCH BASIN GRATES WITHIN THE LOCATION LIMITS THAT DO NOT COMPLY WITH THE STANDARD DETAIL FOR A TYPE 1 GRATE (I.E. DON'T HAVE 45 DEGREE SLOTS) SHALL BE REPLACED. THE ENGINEER SHALL DETERMINE THE ACTUAL LOCATIONS AND NEED FOR GRATE OR FRAME MODIFICATIONS.

24. EXCAVATION FOR P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE BID PRICE FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BE REMOVED FROM THE CONTRACT AT THE CONTRACTORS EXPENSE. ITEM 732500, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK WHEN SO DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL. WHEN REPLACEMENT OF CURB AND GUTTER HAS BEEN COMPLETED AND THE FORMS REMOVED AT EACH LOCATION OF THIS CONTRACT, BACKFILLING SHALL BE DONE IMMEDIATELY. COMPLETE RESTORATION, TOPSOIL, SEEDING, MULCH, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL.

25. THE COST OF FINE GRADING, COMPACTING, AND PREPARING EXISTING SHOULDERS FOR PAVING SHALL BE INCIDENTAL TO ALL PAY ITEMS IN SECTION 401.

26. MATERIALS USED TO FILL SHOULDER AREAS ADJACENT TO NEW HOT MIX OVERLAYS MAY BE ONE OR MORE OF THE FOLLOWING MATERIALS: ITEMS 732000 -TOPSOIL 4" DEPTH OR 302005- GRADED AGGREGATE BASE COURSE TYPE B. THE UNIT PRICE SHALL INCLUDE FURNISHING, PLACEMENT, GRADING AND COMPACTING THE MATERIAL.

27. 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.

28. ALL ADJUSTMENTS SHALL BE MADE NO MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF HOT MIX UNLESS OTHERWISE APPROVED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

29. 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.

30. WHEN CLEANING AFTER A MILLING 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 MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING ITEMS.

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31. WHERE SIDEWALKS EXIST WITHIN THE LOCATION LIMITS, CURB RAMPS SHALL BE EITHER NEWLY INSTALLED OR RETROFITTED AS THE ENGINEER DIRECTS, IN COMPLIANCE WITH THE MOST CURRENT DELAWARE STANDARD CONSTRUCTION DETAILS OR AS SHOWN ON THE PLANS. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CURB RAMP AND DETECTABLE WARNING SYSTEM ITEMS.

32. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT UNLESS THE ENGINEER APPROVES OTHERWISE. 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.

33. CATCH BASINS, WHICH ARE 4 FOOT OR GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 708000 OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 710001.

34. THE PORTLAND CEMENT CONCRETE USED WITHIN ITEM 701002 - ADJUST AND REPAIR EXISTING MANHOLES AND ITEM 750000 - ADJUST WATER VALVE BOX SHALL CONFORM TO THE REQUIREMENTS OF CLASS A CONCRETE AS STATED WITHIN SECTION 503.02 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.

35. IF DITCH SLOPE ADJUSTMENTS ARE NECESSARY, FINAL SLOPE WILL BE DETERMINED AFTER UNDERGROUND UTILITY LOCATIONS ARE KNOWN.

36. CONTRACTOR IS RESPONSIBLE FOR RESOLVING ANY EXISTING UTILITY CONFLICTS WITH ENGINEER APPROVAL.

37. THE LUMP SUM BID PRICE FOR PAY ITEM 737523 WILL BE A $1,000 MAXIMUM FOR EACH TREE. PAYMENT FOR THIS ITEM WILL BE BASED ON ACTUAL RECEIPTS FOR MATERIALS, TIME, AND LABOR PROVIDED TO THE ENGINEER. THE PURCHASE MUST INCLUDE A ONE-YEAR REPLACEMENT WARRANTY. PROPERTY OWNER(S) WILL CHOOSE EACH TREE AND CONTRACTOR WILL CONFIRM THE COMPLETE SCOPE WILL OCCUR FOR AT OR UNDER BUDGET PRIOR TO TREE PURCHASE. IF CONTRACTOR DOES NOT CONFIRM THE COST IS WITHIN THE BUDGET PRIOR TO PURCHASE AND THE COSTS BECOME MORE THAN THE BUDGET, NO ADDITIONAL PAYMENT WILL BE MADE.

38. ROADS, WITH CROSS-ROAD PIPE WORK, MUST REMAIN OPEN TO ONE-LANE OF TRAFFIC AT ALL TIMES.

39. 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. IF ENGINEER OR REPRESENTATIVE FINDS THIS NOT TO BE SO, THE CONTRACTOR IS TO REPLACE THE SUPERINTENDENT IMMEDIATELY OR RISK PROJECT SUSPENSION.

40. NO WORK SHALL BE PERFORMED ALONG U.S. ROUTE 13 OR S.R. 1 FROM FRIDAY THROUGH SUNDAY (INCLUSIVE - SOUTHBOUND) AND SATURDAY THROUGH MONDAY (INCLUSIVE-NORTHBOUND)

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

42. PAYMENT FOR ITEMS 208000 EXCAVATION AND BACKFILL FOR PIPE TRENCHES AND 210000 OR 210001 FURNISHING BORROW TYPE C OR F SHALL BE MADE REGARDLESS OF THE SIZE PIPE TO BE INSTALLED.

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NOTES

43. A HOT-MIX WEDGE COURSE IS DEFINED AS BEING HOT MIX PLACED AT A VARIABLE WIDTH (DETERMINED BY THE ENGINEER BASED ON THE INDIVIDUAL ROAD CHARACTERISTICS ENCOUNTERED) WITH THE TAPERED EDGE BEING A MINIMUM DISTANCE OF 2'-0" FROM THE CENTERLINE OF THE ROAD AND WITH A CROSS SECTION STARTING AT 0" THICKNESS ON THE TAPERED EDGE AND ENDING AT A VARIABLE THICKNESS AT THE OTHER SIDE WITH THE INTENT OF PROVIDING A FINAL CROSS-SECTION WITH A 2 PERCENT SLOPE.

IF HOT-MIX IS PLACED WITHIN THE 2'-0" CLEARANCE OF EITHER SIDE OF THE ROADWAY CENTERLINE AS SPECIFIED ABOVE THAN THAT WORK WILL BE DEEMED AS A HOT-MIX OVERLAY AND ALL OF THE TONNAGE UTILIZED FOR THE ENTIRE LOCATION WILL BE PAID UNDER ITEM 401645.

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LOCATION 1 **OPEN CTF - OPEN END CTF CONTRACT**

LENGTH

GENERAL IMPROVEMENTS

CTF PROJECTS CENTRAL, FY 2011

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 1

201000	CLEARING AND GRUBBING	1.00 L.S.
202000	EXCAVATION AND EMBANKMENT	1,000.00 C.Y.
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	2,200.00 C.Y.
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	1,900.00 C.Y.
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1.00 L.S.
211004	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (PIPE)	550.00 L.F.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	225.00 TON
302006	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	270.00 TON
302007	GRADED AGGREGATE BASE COURSE, TYPE B	80.00 C.Y.
401644	SUPERPAVE, TYPE C HOT-MIX, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	2,000.00 TON
401645	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	180.00 TON
401648	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 64-22	230.00 TON
401651	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22 (CARBONATE STONE)	330.00 TON
401654	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 70-22	180.00 TON
401665	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 64-22, PATCHING	160.00 TON
401666	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 64-22, PATCHING	80.00 TON
406001	HOT-MIX PATCHING	3,000.00 SY-IN
602016	PORTLAND CEMENT CONCRETE MASONRY, CLASS C	110.00 C.Y.
612002	REINFORCED CONCRETE PIPE, 15", CLASS III	200.00 L.F.
612003	REINFORCED CONCRETE PIPE, 18", CLASS III	1,200.00 L.F.
612007	REINFORCED CONCRETE PIPE, 30", CLASS III	600.00 L.F.
612202	REINFORCED CONCRETE ELLIPTICAL PIPE, 24"X38", CLASS III	450.00 L.F.
614002	GALVANIZED CORRUGATED STEEL PIPE, 15", 16 GAGE, 2 2/3" X 1/2" CORRUGATION	48.00 L.F.
617002	REINFORCED CONCRETE FLARED END SECTION, 15"	6.00 EACH
617003	REINFORCED CONCRETE FLARED END SECTION, 18"	4.00 EACH
701021	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	325.00 L.F.
701022	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3	560.00 L.F.

LOCATION 1 **OPEN CTF - OPEN END CTF CONTRACT**

LENGTH

GENERAL IMPROVEMENTS

CTF PROJECTS CENTRAL, FY 2011

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 1

708045	LAWN INLET	3.00 EACH
708053	DRAINAGE INLET, 48" X 48"	3.00 EACH
708059	DRAINAGE INLET, 72" X 72"	3.00 EACH
708114	MANHOLE, 66" X 48"	3.00 EACH
708563	PERSONAL GRATE FOR PIPE INLET	1.00 L.S.
710504	ADJUSTING MANHOLES	13.00 EACH
710511	REMOVE AND REPLACE EXISTING CATCH BASIN HOOD	4.00 EACH
712005	RIPRAP, R-4	100.00 S.Y.
713003	GEOTEXTILES, RIPRAP	100.00 S.Y.
714003	DITCHING	300.00 L.F.
732000	TOPSOIL, 4" DEPTH	1,300.00 S.Y.
732003	TOPSOIL, 12" DEPTH	480.00 S.Y.
734013	PERMANENT GRASS SEEDING, DRY GROUND	1,100.00 S.Y.
734016	PERMANENT GRASS SEEDING, SUBDIVISION	680.00 S.Y.
735533	SOIL RETENTION BLANKET MULCH, TYPE 3	650.00 S.Y.
735534	SOIL RETENTION BLANKET MULCH, TYPE 4	1,130.00 S.Y.
741002	TREE REMOVAL 11" TO 14.9"	2.00 EACH
741003	TREE REMOVAL 15" TO 18.9"	4.00 EACH
743007	** TRAFFIC OFFICERS	64.00 HOUR
743051	** FLAGGER, KENT COUNTY, STATE	2,400.00 HOUR
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	300.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	47.00 S.F.
750000	ADJUST WATER VALVE BOXES	10.00 EACH
756000	SAND	10.00 TON
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	200.00 S.Y.
760005	PAVEMENT - MILLING, HOT-MIX, 1 1/2" DEPTH	160.00 S.Y.
760007	PAVEMENT - MILLING, HOT-MIX, 2 1/2" DEPTH	1,240.00 S.Y.

CENTRAL MAINTENANCE CTF PROJECTS CENTRAL, FY 2011

LOCATION 1 **OPEN CTF - OPEN END CTF CONTRACT**

LENGTH

GENERAL IMPROVEMENTS

CTF PROJECTS CENTRAL, FY 2011

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 1

762001	SAW CUTTING, HOT MIX	990.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	60.00 L.F.
762003	SAW CUTTING, CONCRETE, VARIABLE DEPTH	48.00 L.F.
762500	SAW CUTTING, HOT-MIX, HORIZONTAL	84.00 L.F.
763501	CONSTRUCTION ENGINEERING	1.00 L.S.

** DENOTES FIXED PRICE ITEM

LOCATION 2 **RIVERVIEW ESTATES - RUYTER DRIVE FROM APPROXIMATELY 900' FORM MCGINNIS POND ROAD TO KEELA COURT**

LENGTH 274.32 m 900 L.F.

GENERAL IMPROVEMENTS

PATCHING AND 2" OVERLAY

COMMENTS:

Please see attached sheets for comments

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MATERIAL ESTIMATE FOR LOCATION 2

302006	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	10.00 TON
401644	SUPERPAVE, TYPE C HOT-MIX, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	530.00 TON
401666	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 64-22, PATCHING	20.00 TON
406001	HOT-MIX PATCHING	85.00 SY-IN
732000	TOPSOIL, 4" DEPTH	150.00 S.Y.
734016	PERMANENT GRASS SEEDING, SUBDIVISION	150.00 S.Y.
735534	SOIL RETENTION BLANKET MULCH, TYPE 4	150.00 S.Y.
743051	** FLAGGER, KENT COUNTY, STATE	90.00 HOUR
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	14.00 HOUR
761001	BUTT JOINTS, HOT MIX	1,100.00 S.Y.
762001	SAW CUTTING, HOT MIX	20.00 L.F.

** DENOTES FIXED PRICE ITEM

LOCATION 2 **RIVERVIEW ESTATES - RUYTER DRIVE FROM APPROXIMATELY 900' FORM MCGINNIS POND ROAD TO KEELA COURT**

COMMENTS:

This estimate is a reduction in scope to 18363 due to funding. The length is approximate and will adjust to maximize the scope distance according to the applicable contract prices. Removing grass and cleaning joints, cracks, or edges of roadway is incidental to the estimate costs and must be complete two weeks prior to overlay.

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CONTRACT QUANTITIES SUMMARY SHEET

201000	CLEARING AND GRUBBING	1.00 L.S.
202000	EXCAVATION AND EMBANKMENT	1,000.00 C.Y.
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	2,200.00 C.Y.
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	1,900.00 C.Y.
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1.00 L.S.
211004	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (PIPE)	550.00 L.F.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	225.00 TON
302006	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	280.00 TON
302007	GRADED AGGREGATE BASE COURSE, TYPE B	80.00 C.Y.
401644	SUPERPAVE, TYPE C HOT-MIX, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	2,530.00 TON
401645	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)	180.00 TON
401648	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 64-22	230.00 TON
401651	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 70-22 (CARBONATE STONE)	330.00 TON
401654	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 70-22	180.00 TON
401665	SUPERPAVE, TYPE C HOT-MIX, 160 GYRATIONS, PG 64-22, PATCHING	160.00 TON
401666	SUPERPAVE, TYPE B HOT-MIX, 160 GYRATIONS, PG 64-22, PATCHING	100.00 TON
406001	HOT-MIX PATCHING	3,085.00 SY-IN
602016	PORTLAND CEMENT CONCRETE MASONRY, CLASS C	110.00 C.Y.
612002	REINFORCED CONCRETE PIPE, 15", CLASS III	200.00 L.F.
612003	REINFORCED CONCRETE PIPE, 18", CLASS III	1,200.00 L.F.
612007	REINFORCED CONCRETE PIPE, 30", CLASS III	600.00 L.F.
612202	REINFORCED CONCRETE ELLIPTICAL PIPE, 24"X38", CLASS III	450.00 L.F.
614002	GALVANIZED CORRUGATED STEEL PIPE, 15", 16 GAGE, 2 2/3" X 1/2" CORRUGATION	48.00 L.F.
617002	REINFORCED CONCRETE FLARED END SECTION, 15"	6.00 EACH
617003	REINFORCED CONCRETE FLARED END SECTION, 18"	4.00 EACH
701021	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	325.00 L.F.
701022	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3	560.00 L.F.
708045	LAWN INLET	3.00 EACH

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CONTRACT QUANTITIES SUMMARY SHEET

708053	DRAINAGE INLET, 48" X 48"	3.00 EACH
708059	DRAINAGE INLET, 72" X 72"	3.00 EACH
708114	MANHOLE, 66" X 48"	3.00 EACH
708563	PERSONAL GRATE FOR PIPE INLET	1.00 L.S.
710504	ADJUSTING MANHOLES	13.00 EACH
710511	REMOVE AND REPLACE EXISTING CATCH BASIN HOOD	4.00 EACH
712005	RIPRAP, R-4	100.00 S.Y.
713003	GEOTEXTILES, RIPRAP	100.00 S.Y.
714003	DITCHING	300.00 L.F.
732000	TOPSOIL, 4" DEPTH	1,450.00 S.Y.
732003	TOPSOIL, 12" DEPTH	480.00 S.Y.
734013	PERMANENT GRASS SEEDING, DRY GROUND	1,100.00 S.Y.
734016	PERMANENT GRASS SEEDING, SUBDIVISION	830.00 S.Y.
735533	SOIL RETENTION BLANKET MULCH, TYPE 3	650.00 S.Y.
735534	SOIL RETENTION BLANKET MULCH, TYPE 4	1,280.00 S.Y.
737523	PLANTING	1.00 L.S.
741002	TREE REMOVAL 11" TO 14.9"	2.00 EACH
741003	TREE REMOVAL 15" TO 18.9"	4.00 EACH
743007	** TRAFFIC OFFICERS	64.00 HOUR
743051	** FLAGGER, KENT COUNTY, STATE	2,490.00 HOUR
743063	** FLAGGER, KENT COUNTY, STATE, OVERTIME	314.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	47.00 S.F.
750000	ADJUST WATER VALVE BOXES	10.00 EACH
756000	SAND	10.00 TON
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	200.00 S.Y.
760005	PAVEMENT - MILLING, HOT-MIX, 1 1/2" DEPTH	160.00 S.Y.
760007	PAVEMENT - MILLING, HOT-MIX, 2 1/2" DEPTH	1,240.00 S.Y.
761001	BUTT JOINTS, HOT MIX	1,100.00 S.Y.

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CONTRACT QUANTITIES SUMMARY SHEET

762001	SAW CUTTING, HOT MIX	1,010.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	60.00 L.F.
762003	SAW CUTTING, CONCRETE, VARIABLE DEPTH	48.00 L.F.
762500	SAW CUTTING, HOT-MIX, HORIZ0NTAL	84.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763501	CONSTRUCTION ENGINEERING	1.00 L.S.
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

** DENOTES FIXED PRICE ITEM

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