THE STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION

OFFICE OF TRANSPORTATION SOLUTIONS

CONSTRUCTION PLANS AND SPECIFICATIONS FOR

PAVEMENT REHABILITATION, NEW CASTLE 5A, (KIRKWOOD HIGHWAY)

CONTRACT NUMBER - T202506101 **UNIFIER PROJECT ID – 2025-00054**

FEDERAL AID NUMBER - ESTP-2025(08) **COUNTY: NEW CASTLE**

PLANS PREPARED BY: Michael Church-Kimmey

DESIGNER

Sarah McDougall 7/29/2025

DELDOT – TRANSPORTATION SOLUTIONS DATE

PAVEMENT MANAGEMENT - (PM)

SARAH L. MCDOUGALL LICENSED No. 18789 DELAWARE PROFESSIONAL ENGINEER

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PM" SECTION DESIGNATION

APPROVED FOR ADVERTISEMENT

07/29/2025

DIRECTOR OF TRANSPORTATION SOLUTIONS DATE

LOCATION MAP

Kirkwood Highway NC-00011-F & NC-00011-R

From Pavement Joint North of RT 273 Ogletown Road To Milltown Road

GENERAL CONTRACT PLAN NOTES

REVISED 7/2025

THE FOLLOWING GENERAL PLAN NOTES ARE TO BE USED WHEN APPLICABLE. ALL NOTES MAY NOT APPLY TO THE REFERENCED CONTRACT.

GENERAL

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", JAUNARY 2025 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", 2025.

2. THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS WITHIN THE DISTRICT HEREIN SPECIFIED. 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 SAID ADDITIONS OR DELETIONS.

3. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS AND BUSINESSES WHO LIVE ADJACENT TO THE WORK ZONE 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. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS CONTRACT. ANY TEMPORARY CLOSURE OF A DRIVEWAY FOR TIE-IN PURPOSES SHALL BE COORDINATED WITH THE ENGINEER AND/OR PROPERTY OWNER IN ADVANCE OF THE CLOSURE.

IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S EXISTING RIGHT OF WAY OR EASMENT AREAS. SHOULD THE NEED OCCUR TO TRESPASS ONTO PRIVATE PROPERTY; IT WILL BE THE RESPONSIBILITY OF THE PROJECT MANAGER TO SECURE SUCH TRESPASS NEEDS.

4. THE CONTRACTOR SHALL SUBMIT THE REQUIRED COPIES OF A DETAILED PROGRESS SCHEDULE (PSC) AS OUTLINED IN STANDARD SPECIFICATION 108.4 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.

GENERAL CONTRACT PLAN NOTES

MAINTENANCE OF TRAFFIC

5. THE CONTRACTOR SHALL BE REQUIRED TO SHOW PROOF THAT SUFFICIENT APPROVED STRIPING MATERIALS ARE ON HAND TO ENSURE STRIPING IS COMPLETED PRIOR TO FULL OPENING ROADWAY TO TRAFFIC.

6. WITHIN THE MAINLINE WORK AREA, PERMANENT ADVANCE WARNING SIGNS WITH THE LEGENDS "ROAD WORK AHEAD" "ROAD WORK NEXT XX MILES" FOR MAINLINES SHALL BE INSTALLED IN ADVANCE OF THE WORK AREA IN BOTH DIRECTIONS. AN "END ROAD WORK" SIGN SHALL BE LOCATED 500 FEET DOWNSTREAM FROM THE WORK AREA INCLUDING SIDE STREETS. ON INTERSECTING ROADWAYS WITHIN THE PROJECT LIMITS, A "ROAD WORK AHEAD" SIGN SHALL BE PLACED AT A DISTANCE NOT LESS THAN 500 FEET DOWNSTREAM OF THE WORK AREA. ALL PERMANENT ADVANCE WARNING SIGNS SHALL BE GROUND-MOUNTED ON TWO MASH APPROVED BREAKAWAY POSTS AND SHALL BE MOUNTED IN COMPLIANCE WITH THE DE-MUTCD. PERMANENT ADVANCE WARNING SIGNS SHALL BE MOUNTED AT A HEIGHT OF 7 FEET, MEASURED FROM THE ROADWAY TO THE BOTTOM OF THE SIGN. THE USE OF SKID-MOUNTED SIGN SUPPORTS IS NOT ALLOWED UNLESS THE CONTRACTOR CAN DEMONSTRATE THAT A UTILITY CONFLICT EXISTS, WHICH SHALL BE VERIFIED BY THE ENGINEER; OR CONCRETE MEDIANS PREVENT THE INSTALLATION OF THE PERMANENT SIGNS IN THE APPROPRIATE LOCATION.

7. 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. TEMPORARY PAVEMENT STRIPING MUST MATCH PERMANENT PAVEMENT STRIPING IN ALL REGARDS. TEMPORARY PAVEMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY MARKINGS IN GOOD CONDITION SUCH THAT THE PAVEMENT IS PROPERLY DELINEATED AT ALL TIMES. ANY REFRESHING OF THE TEMPORARY MARKINGS WILL BE AT THE CONTRACTOR'S EXPENSE.

8. 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 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT FOR BIDS.

9. CURB RAMP AND/OR SIDEWALK CONSTRUCTION (NOT INCLUDING MEDIAN ISLANDS) SHALL BE COMPLETED DURING A SINGLE OPERATION. THE RAMP/SIDEWALK SHALL BE REMOVED AND PLACED BACK THE SAME NIGHT/DAY AND OPEN TO PEDESTRIAN TRAFFIC THE FOLLOWING DAY. THE USE OF A MONOLITHIC POUR SHALL BE PERMITTED WITH A BOND BREAKER TO BE PLACED AT THE BACK OF THE CURB AND EDGE OF SIDEWALK. IF THE CURB RAMP/SIDEWALK CANNOT BE COMPLETED IN A SINGLE OPERATION THE EXCAVATED AREA MUST BE TEMPORARILY BACKFILLED TO GRADE WITH COMPACTED MILLING MATERIAL ONLY. THIS TEMPORARY

GENERAL CONTRACT PLAN NOTES

MATERIAL WILL BE INCIDENTAL TO THE CURB RAMP ITEM. THE DRESSING UP OF THE AREA BEING PAID AS A CURB RAMP WITH TOPSOIL AND SEED WILL BE PAID AT CONTRACT UNIT PRICES. 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. IF CURB RAMP CANNOT BE COMPLETED IN A SINGLE OPERATION AND 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 801500 - MAINTENANCE OF TRAFFIC - ALL INCLUSIVE.

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 BY THE DISTRICT TRAFFIC SAFETY OFFICER

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 BUSINESSES AND RESIDENCES 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.

GENERAL CONTRACT PLAN NOTES

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 ¼ IN. IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

10. AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR IF REQUIRED WILL BE NOTED IN THE PLANS ON THE LOCATIONS COMMENT PAGE. THAT PERSON'S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT'S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR THE ATSSA SUPERVISOR WILL BE INCINDENTAL TO ITEM 801500 MAINTENANCE OF TRAFFIC ALL INCLUSIVE.

11. MESSAGE BOARDS SHALL BE PLACED 10 DAYS IN ADVANCE OF THE WORK AND SHALL REMAIN IN PLACE FOR 5 DAYS AFTER THE START OF WORK. LOCATIONS OF MESSAGE BOARDS AND MESSAGES DISPLAYED SHALL BE REVIEWED AND APPROVED BY THE DISTRICT SAFETY OFFICER.

12. FOR ITEM 806001 TRAFFIC OFFICERS, REQUIRED INVOICES WILL BE REVIEWED FOR ACCURACY. ANY MAJOR INACCURACIES WILL BE ADJUSTED ACCORDINGLY. FOR EXAMPLE, IF INVOICE SHOWS CHARGED HOURS ON A CERTAIN DATE AND WE HAVE DOCUMENTATION THAT NO WORK OCCURED THAT DATE OR NO OFFICERS WERE PRESENT THE INVOICE WILL BE ADJUSTED ACCORDINGLY. TRAFFIC OFFICERS ARE NOT REQUIRED FOR STANDARD LANE CLOSURES. ONLY NEEDED IN SIGNALIZED INTERSECTIONS OR AS DIRECTED BY THE ENGINEER.

GENERAL CONTRACT PLAN NOTES

IF TRAFFIC OFFICERS ARE USED FOR NON-SIGNAL RELATED ACTIVITIES, THEY ARE TO ENFORCE ALL TRAFFIC VIOLATIONS. THE OFFICER MUST SUBMIT STATS AT THE END OF EACH SHIFT, FAILURE TO DO SO MAY RESULT IN NO PAYMENT.

13. **HOLIDAY AND SPECIAL EVENTS**

TRAVEL LANE AND RAMP CLOSINGS ON MULTILANE HIGHWAYS AND INTERSTATES SHALL NOT BE PERMITTED DURING THE FOLLOWING HOLIDAY/EVENT PERIODS:

- REFER TO SECTION 801 OF STANDARD SPECIFICATIONS

ADDITIONAL TIME RESTRICTIONS MAY APPLY AS NOTED IN THE PROJECT PLANS OR AS DIRECTED BY THE ENGINEER. ANY REQUESTS TO WAIVE ANY RESTRICTIONS MUST BE MADE IN WRITING TO THE ENGINEER FOR REVIEW AND APPROVAL. A COPY OF THE REQUEST SHALL BE PROVIDED TO THE DISTRICT SAFETY OFFICER FOR REVIEW.

PAVEMENT MARKINGS

14. THE CONTRACTOR WILL ONLY BE REQUIRED TO SUBMIT DETAILED DRAWINGS AND/OR VIDEO FOOTAGE OF THE EXISTING PAVEMENT MARKINGS IF DIRECTED BY THE ENGINEER. SIGNING AND STRIPING PLANS IN MOST CASES WILL BE PROVIDED AT THE TIME OF ADVERTISEMENT.

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. ALL DOUBLE YELLOW CENTERLINES SHALL BE PLACED IN A 6-6-6 CONFIGURATION (2 EACH, 6" YELLOW STRIPES WITH A 6" GAP BETWEEN).

15. 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 AS DIRECTED BY THE ENGINEER. 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.

16. STOP LINES "BARS" SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.16 OF THE 2011 DELAWARE MUTCD.

GENERAL CONTRACT PLAN NOTES

17. ALL CROSSWALKS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.18 OF THE 2011 DELAWARE MUTCD. PAVEMENT MARKING QUANTITIES WILL BE INCLULDED ON THE SIGNING AND STRIPING PLANS AT ADVERTISEMENT.

TRAFFIC SIGNAL NOTES

18. TRAFFIC DETECTION LOOPS SHALL BE PLACED IN THE FINAL WEARING SURFACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

19. TRAFFIC DETECTION LOOPS THAT ARE CURRENTLY 5'x7' SHALL BE REPLACED WITH LOOPS THAT ARE 6'x6' AT THE SAME LOCATION, OR AS DIRECTED BY THE ENGINEER. STOP BAR DETECTION LOOPS SHALL BE THE SAME SIZE AS CURRENTLY EXISTING, AND SHOULD BE PLACED STARTING ONE FOOT BEHIND THE STOP BAR, BUT PLACEMENT MAY BE ADJUSTED TO ADDRESS FIELD REQUIREMENTS. IF SEPARATE SIGNAL PLANS HAVE BEEN DEVELOPED, THE PLANS SUPERSEDE THIS NOTE. PRIOR TO DISCONNECTING ANY LOOPS; NON-INTRUSIVE DETECTION DEVICE(S) MUST BE INSTALLED AND WORK.

IF A LOCATION (INTERSECTION) WILL BE UTILIZING TEMPORARY DETECTION EQUIPMENT IT WILL BE NOTED ON THE LOCATION COMMENTS PAGE. DELDOT TRAFFIC SECTION WILL PROVIDE AND INSTALL THE EQUIPMENT.

PROJECT

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

21. THE COST OF CLIPPING BACK THE EDGES OF THE ROADWAY, SHOULDERS, AND THE FIRST 3' OF UNPAVED DRIVEWAY ENTRANCES, PICKING UP AND DISPOSING OF WASTE AND EXCESS MATERIAL, AND CLEANING THE EXISTING PAVEMENT PRIOR TO OVERLAY SHALL BE INCIDENTAL TO ITEM 401XXX. PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 301XXX.

22. 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. IN

GENERAL CONTRACT PLAN NOTES

MILLING AREAS, THERE WILL BE NO SEPARATE PAYMENT FOR BUTT JOINTS. 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 USE AS RAMPING MATERIAL.

23. 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.

24. MILLIING OF BITUMINOUS PAVEMENT IN PREPERATION FOR OVERLAY IS TO INCLUDE MILLING EXISTING CONCRETE PATCHES AND/OR COMPOSITE PAVING AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 760010. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED.

25. EXCAVATION UP TO 2' IN FRONT OF CURB WILL BE INCIDENTAL TO ITEM 701XXX AND ITEMS 702000, 705008, 705009, AND 705010. HOT MIX PLACED IN FRONT OF CURB WILL BE PAID UNDER ITEM 401XXX. USE OF CONCRETE AS FILL IN FRONT OF CURB WILL NOT BE ACCEPTED UNLESS DIRECTED BY THE ENGINEER. AT EACH LOCATION, BACKFILLING SHALL BE PERFORMED IMMEDIATELY UPON REMOVAL OF FORMS FOR CURB OR SIDEWALK. TOPSOIL, SEEDING, SEALING OF VALLEY GUTTERS, REMOVING OF FORMS, AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF THE ITEM OF WORK. ITEM 908XXX, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL BEHIND CURB AND AROUND SIDEWALK OR/AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" IS PRESENT IN MATERIAL USED FOR BACKFILL. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BE REMOVED FROM THE CONTRACT AT THE CONTRACTORS EXPENSE. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

26. 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.

27. ALL PAVING, INCLUDING TURN LANES, SHOULDERS AND INTERSECTIONS, IS TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FROM THE TIME THE AREA WAS MILLED. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

GENERAL CONTRACT PLAN NOTES

28. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBS, ETC. SO THAT EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTHS IS NOT DAMAGED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS 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 AND/OR RECLAMATION ITEMS.

29. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT. 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.

30. DRAINAGE INLETS, WHICH ARE 4' GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 602.3 OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 602XXX.

31. THE PORTLAND CEMENT CONCRETE USED FOR ITEM 602130 - ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET, ITEM 602132 - ADJUST AND REPAIR EXISTING MAN HOLES AND ITEM 710002 - ADJUST WATER VALVE BOX SHALL CONFORM TO THE REQUIREMENTS OF CLASS A CONCRETE (6 HOUR ROADWAY MIX) AS STATED WITHIN SECTION 503.3.7 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS. ALSO, THE PERIMETER OF THE UTILITY ADJUSTMENT WILL BE SEALED AND WILL BE CONSIDERED INCIDENTAL TO THE APPLICABLE ADJUSTMENT ITEM.

32. WHEN JACKHAMMERING OR THE USE OF A BREAKER IS NECESSARY ON CONTRACTS THAT OCCUR DURING THE NIGHTTIME HOURS THE JACKHAMMERING AND BREAKING MUST CEASE AT 12:00AM REGARDLESS OF ANY NOISE WAIVER THAT MAY EXIST. IF A NOISE WAIVER EXISTS IT WILL BE NOTED ON THE LOCATIONS COMMENT PAGE.

33. WHEN CONTRACT INCLUDES ITEMS 503001 AND 503002 PATCHES WILL BE PRESUMED TO BE STANDARD PATCH SIZES AND LOCATIONS WILL BE DETERMINED AT THE CONSTRUCTION PRE-WALK. THE USE OF STEEL PLATES WILL BE PROHIBITED. ROADWAY MUST BE RETURNED TO UNRESTRICTED USE AT THE END OF EACH WORK DAY. ALL PCC PAVEMENT WILL BE PRESUMED TO BE 9".

34. PCC PATCHING: WHEN THE PATCH SURFACE WILL BE PART OF THE FINAL SURFACE OF THE ROADWAY, THE PATCH SURFACE SHALL BE FINISHED TO MATCH THE TEXTURE OF THE ADJACENT PAVEMENT. THE PATCH SURFACE CROSS SECTION SHALL MATCH THE PRECEDING AND FOLLOWING PAVEMENT SURFACES. THE ENGINEER MAY TEST FOR EXCESSIVE DEVIATIONS WITH A 10 FOOT STRAIGHTEDGE. WHEN TESTED WITH A STRAIGHTEDGE, EXCESSIVE DEVIATIONS ARE SURFACE DEVIATIONS GREATER THAN 1/4 INCH

GENERAL CONTRACT PLAN NOTES

FROM A REFERENCE LINE BETWEEN POINTS 10 FEET APART ALONG THE DIRECTION OF TRAFFIC. THE CONTRACTOR SHALL CORRECT UNACCEPTABLE DEVIATIONS IN THE PATCH AREAS.

35. ITEM 763621 CONSTRUCTION ENGINEERING, REHABILITATION WILL COMPENSATE THE CONTRACTOR FOR THE FOLLOWING SURVEY ACTIVITIES. ANY LAYOUT ASSOCIATED WITH ADA IMPROVEMENTS, PROVIDING GRADES FOR UTILITY ADJUSTMENTS IF NECESSARY, THE LAYOUT OF LANE LINES FOR PAVING, GRADES FOR THE INSTALLATION OF DRAINAGE STRUCTURES OR OTHER ITEMS OF WORK AS DETERMINED BY THE ENGINEER OR PROGRAM MANAGER. THIS ITEM WILL NOT COMPENSATE THE CONTRACTOR FOR THE LAYOUT OF STRIPING AS THIS IS THE RESPONSIBILITY OF THE STRIPING SUBCONTRACTOR. THE HOURLY PAYMENT WILL BE BASED UPON ACTUAL HOURS OF SURVEYING PERFORMED IN THE FIELD. IT WILL NOT INCLUDE TIME SPENT IN VEHICLE OR OFFICE. THE SURVEY CREW WILL BE RESPONSIBLE UPON ARRIVAL AND DEPARTURE ON THE JOBSITE TO CONTACT A MEMBER OF THE INSPECTION STAFF SO THAT HOURS CAN BE TRACKED FOR PAYMENT. THE CONSEQUENCE FOR NOT DOING THIS WILL BE NON-PAYMENT FOR THE SURVEYING SERVICES.

36. UPON RECEIPT OF THE MONTHLY PAY ESTIMATE ANY ISSUES OR DESCREPENCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER/PROGRAM MANAGER IF POSSIBLE BEFORE THE ISSUANCE OF THE NEXT PAY ESTIMATE. TO ALLOW FOR INVOICES FROM SUBCONTRACTORS ETC., A 60 DAY TIME PERIOD TO REPORT DESCREPENCIES WILL BE PERMITTED. ANY DESCREPENCIES BEYOND THE 60 DAY TIME PERIOD WILL NOT BE ENTERTAINED.

37. BITUMINOUS CONCRETE PATCHING: PATCH DEPTH SHOULD BE PRESUMED TO BE 6" UNLESS ADJUSTED BY THE ENGINEER OR AN INDIVIDUAL REPRESENTING THE DELAWARE DEPARTMENT OF TRANSPORTATION. ALL BITUMINOUS PATCHING WILL PERFORMED UTILIZING A MILLING MACHINE AND PAVER UNLESS DIRECTED OTHERWISE.

38. CLEARING AND GRUBBING INCLUDES OBTAINING WIDTH AND HEIGHT REQUIREMENTS FOR PAR AND CLEARING OF SIGHT DISTANCE IN FRONT OF SIGNS (INCLUDING EXISTING SIGNS).

39. IN ORDER TO MAINTAIN EFFECTIVE COMMUNICATION WITH THE TRAVELING PUBLIC, ONLY PLACE SIGNS, BANNERS, FLAGS, OR OTHER DISPLAYS WITHIN THE PROJECTS LIMITS THAT MEET THE REQUIREMENTS OF THE LATEST VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. ANY SIGNS OR OTHER MATERIALS WHICH DEVIATE FROM THE MUTCD, MUST BE PREAPPROVED BY THE ENGINEER. THE ONLY SIGNAGE AND MATERIALS WHICH MAY BE DISPLAYED UPON VEHICLES AND EQUIPMENT WITHIN THE PROJECT AREA ARE SIGNS DENOTING THE NAME OF THE CONTRACTOR AND ANY SUBCONTRACTORS AND OTHER SIGNS AND/OR MATERIALS REQUIRED AND APPROVED PURSUANT TO THE MUTCD AND THE ENGINEER. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SIGNS OR MATERIALS WITHIN THE PROJECT THAT DOES NOT MEET THESE REQUIREMENTS

GENERAL CONTRACT PLAN NOTES

IMMEDIATELY UPON NOTIFICATION BY THE ENGINEER. FAILURE TO REMOVE SIGNS OR OTHER MATERIALS FOLLOWING NOTIFICATION FROM THE ENGINEER WILL RESULT IN LIQUIDATED DAMAGES BEING ASSESSED IN THE MANNER AND AMOUNT SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 108.9A

40. WHEN CONTRACT HAS MULTIPLE LOCATIONS THE FOLLOWING PAYMENT GUIDELINES WILL APPLY FOR ITEMS 201000 CLEARING AND GRUBBING, 401600 HMA/WMA ENVIRONMENTAL PRODUCT DECLARATION (EPD), AND 763518 CONNECTED MACHINERY (UNLESS STATED OTHERWISE). THESE LUMP SUM ITEMS WILL BE INCLUDED AS PART OF MATERIAL ESTIMATE 1 AND WILL APPLY TO ALL ORIGINAL LOCATIONS INCLUDED AS PART OF THIS CONTRACT. LUMP SUM PAYMENTS AS PART OF MATERIAL ESTIMATE 1 WILL COMPENSATE THE CONTRACTOR ONE TIME FOR ALL WORK ASSOCIATED WITH THESE ITEMS FOR ALL ORIGINAL CONTRACT LOCATIONS.

NORTH MAINTENANCE PAVEMENT REHABILITATION, NEW CASTLE 5A, (KIRKWOOD HIGHWAY)

LOCATION 1 **11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD**

LENGTH 6662.9280 m 21860.0000 L.F. AADT 30119

GENERAL IMPROVEMENTS

PCC PATCHING, BIT. CONC. SUPER-PAVE TYPE C 76-22; PCC CURB AND SIDEWALK (ADA IMPROVEMENTS); GUARDRAIL; UTILITY ADJ.; DRAINAGE INLET ADJ.; SIGNING AND PAV'T. MARKINGS.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

201000	CLEARING AND GRUBBING	1.00	L.S.
202000	EXCAVATION AND EMBANKMENT	130.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	735.00	S.Y.
211002	REMOVAL OF GUARDRAIL AND FENCE	1,892.00	L.F.
301001	GABC	50.00	C.Y.
301002	GABC, PATCHING	231.00	C.Y.
401007	SUPERPAVE TYPE C, 9.5 mm, PG 76-22 (CARBONATE STONE)	20,260.00	TON
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	106.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	87.00	TON
401600	HMA/WMA ENVIRONMENTAL PRODUCT DECLARATION (EPD)	1.00	L.S.
401690	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING AND MILLING SURCHARGE	1,656.00	TON
503001	PATCHING PCC PAVEMENT, 6' TO 15', TYPE A	1,906.00	S.Y.
503002	PATCHING PCC PAVEMENT, 15' TO 100', TYPE B	2,260.00	S.Y.
503006	DOWEL BARS	2,764.00	EACH
503503	** PATCHING CONCRETE	8,332.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	7,078.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	76.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	3.00	EACH
701013	PCC CURB, TYPE 1-8	300.00	L.F.
701014	PCC CURB, TYPE 2	24.00	L.F.
701026	PCC MONOLITHIC MEDIAN	40.00	L.F.
705001	PCC SIDEWALK, 4"	3,500.00	S.F.
705005	PCC SIDEWALK, 8"	256.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	3,779.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	2,750.00	S.F.
705010	PEDESTRIAN CONNECTION, TYPE 5	875.00	S.F.

NORTH MAINTENANCE PAVEMENT REHABILITATION, NEW CASTLE 5A, (KIRKWOOD HIGHWAY)

LOCATION 1 **11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD**

LENGTH 6662.9280 m 21860.0000 L.F. AADT 30119

GENERAL IMPROVEMENTS

PCC PATCHING, BIT. CONC. SUPER-PAVE TYPE C 76-22; PCC CURB AND SIDEWALK (ADA IMPROVEMENTS); GUARDRAIL; UTILITY ADJ.; DRAINAGE INLET ADJ.; SIGNING AND PAV'T. MARKINGS.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

705531	WET CAST FLEXIBLE DETECTABLE WARNING SURFACE	709.00	S.F.
705532	PEDESTRIAN CONNECTION REPAIR	64.00	HOUR
710002	ADJUST WATER VALVE BOXES	44.00	EACH
710503	ADJUST GAS VALVE BOXES	8.00	EACH
711500	ADJUST AND REPAIR EXISTING SANITARY MANHOLE	39.00	EACH
720021	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	1,560.00	L.F.
720037	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31, STEEP SLOPE	69.00	L.F.
721000	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 2	1.00	EACH
721001	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 3	2.00	EACH
721003	GUARDRAIL END TREATMENT, TYPE 2-31, TEST LEVEL 3	3.00	EACH
721006	END ANCHORAGE 31	4.00	EACH
721010	GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 1-31	3.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	703,754.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,435.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	6,786.00	L.F.
763518	CONNECTED MACHINERY	1.00	L.S.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	80.00	HOUR
803001	PROVIDE AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	240.00	EA-DY
804001	PROVIDE AND MAINTAIN PORTABLE LIGHT ASSEMBLY (FLOOD LIGHTS)	736.00	EA-DY
806500	** TRAFFIC OFFICERS	1,472.00	HOUR
808002	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	184.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY	5,888.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	588.00	HOUR
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	197.00	S.F.

NORTH MAINTENANCE PAVEMENT REHABILITATION, NEW CASTLE 5A, (KIRKWOOD HIGHWAY)

LOCATION 1 **11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD**

LENGTH 6662.9280 m 21860.0000 L.F. AADT 30119

GENERAL IMPROVEMENTS

PCC PATCHING, BIT. CONC. SUPER-PAVE TYPE C 76-22; PCC CURB AND SIDEWALK (ADA IMPROVEMENTS); GUARDRAIL; UTILITY ADJ.; DRAINAGE INLET ADJ.; SIGNING AND PAV'T. MARKINGS.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

818003	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE XI, RETROREFLECTIVE SHEETING	71.00	S.F.
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	29.00	EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	54.00	EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	88.00	EACH
819010	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" DEPTH	6.00	EACH
824003	FLEXIBLE DELINEATOR, PERMANENT	29.00	EACH
830008	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	64.00	EACH
846001	PROVIDE AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	6,571.00	L.F.
860004	TEMPORARY MARKINGS, LATEX, 4"	200,126.00	L.F.
860007	TEMPORARY PAVEMENT STRIPING, LATEX, SYMBOL/LEGEND	32,412.00	S.F.
860010	TEMPORARY MARKINGS, LATEX, BIKE SYMBOL	108.00	EACH
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	100,063.00	L.F.
861002	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 12"	2,589.00	L.F.
861003	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK 3"	1,134.00	L.F.
861004	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK 6"	284.00	L.F.
862002	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 6"	286.00	L.F.
862004	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	80.00	L.F.
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	16,206.00	S.F.
863002	PREFORMED RETROREFLECTIVE MARKINGS, ALKYD-THERMOPLASTIC, BIKE SYMBOL	54.00	EACH
867001	SNOWPLOWABLE RAISED PAVEMENT MARKER	756.00	EACH
905005	INLET SEDIMENT CONTROL, CURB INLET	126.00	EACH
908004	TOPSOIL, 6" DEPTH	521.00	S.Y.
908016	PERMANENT GRASS SEEDING, SUBDIVISION	521.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	521.00	S.Y.

LOCATION 1 **11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD**

LENGTH 6662.9280 m 21860.0000 L.F. AADT 30119

GENERAL IMPROVEMENTS

PCC PATCHING, BIT. CONC. SUPER-PAVE TYPE C 76-22; PCC CURB AND SIDEWALK (ADA IMPROVEMENTS); GUARDRAIL; UTILITY ADJ.; DRAINAGE INLET ADJ.; SIGNING AND PAV'T. MARKINGS.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

** DENOTES FIXED PRICE ITEM

LOCATION 1 11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD

COMMENTS:

Recommended Traffic Control:

Modified Type B TMP, TA-3A, TA-21A, TA-23, and TA-33

Restricted Work Hours:

See allowable lane closure chart on sheet 11 of Construction Plans.

Curb Ramp/Triangular Channelizing Island Locations:

See Construction Plans

Guardrail Design:

See Construction Plans

Entrance and Driveway Locations - Cut Back Distances:
Forward Direction
Poplar Ave – 28′
Orchard Ave – 28′
Ash Ave – 25′
Elm Ave – 26′
Anna Way – 67′
S. Dillwyn Rd – 73′
Liberty Plaza – 16′
Melrose Place Drive Turn-in – 30′
Melrose Place Drive SB entrance – 25′
Melrose Place Drive NB exit – 11′
Melrose Place Drive Turn-out – 39′
Cordele Rd Turn-in – 63′
Cordele Rd Turn-out – 65′
Ward Lane (school entrance) – 36′
Brewster Drive In – 42′
Brewster Drive Out – 65′
Harmony Road Turn-in – 33′
Harmony Road – 22′
Harmony Road Turn-out – 28′
Old Harmony RD Turn-in – 52′
Old Harmony RD Turn-out – 99′
Creekside Drive – 32′
East Green Valley Circle Turn-in - 85′
East Green Valley Circle - 100′
East Green Valley Circle Turn-out - 119′
S. Meadowood Drive – 55′
Wollaston Road – 94′
Delaware Park Drive Turn-in – 100′
Delaware Park Drive – 120′

LOCATION 1 11(CAPITOL TRAIL) FROM RT 273 TO MILLTOWN ROAD

Delaware Park Drive – 131′
Unnamed Entrance – 25′
South Milltown Road -39′
Reverse Direction
Milltown Road – 74′
North Ave – 65′
Wollaston Road – 35′
Cemetery Entrance – 27′
Pike Creek Road Turn-in - 60′
Pike Creek Road – 88′
Meadowood Drive Turn-in – 97′
Meadowood Drive Turn-Out – 97′
Perikin Ave – 28′
Parke Ave – 25′
Lawrence Ave – 25′
Maryland Ave – 40′
Upper Pike Creek Turn-in – 53′
Upper Pike Creek – 53′
Richard Lane – 38′
Lane @ Red Light Across from Brewster – 20′
Capital Place – 28′
Delaplane Ave – 28′
Ridge Ave – 21′
Old Possum Park Drive – 11′
Lane @ end of Bridge – 14′
Trout Stream drive – 60′
E. Cleveland Ave – 118′
(feet) = length of tie-in to joint

Utility Adjustments:

Water Valves (45)
Sanitary Manholes (38)
Telephone Manholes (42)
Electric Manholes (1)
DelDOT Manholes (12)
Gas Valves (42)
Other (1)

Notes:

FINAL PAVEMENT SHALL MEET THE SURFACE REQUIREMENTS, AS SPECIFIED IN ITEM 401580 - RIDE QUALITY OF BITUMINOUS CONCRETE PAVEMENT

CONTRACT QUANTITIES SUMMARY SHEET

201000	CLEARING AND GRUBBING	1.00	L.S.
202000	EXCAVATION AND EMBANKMENT	130.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	735.00	S.Y.
211002	REMOVAL OF GUARDRAIL AND FENCE	1,892.00	L.F.
301001	GABC	50.00	C.Y.
301002	GABC, PATCHING	231.00	C.Y.
401007	SUPERPAVE TYPE C, 9.5 mm, PG 76-22 (CARBONATE STONE)	20,260.00	TON
401029	SUPERPAVE TYPE C, 9.5 mm, PG 64-22, PATCHING	106.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	87.00	TON
401600	HMA/WMA ENVIRONMENTAL PRODUCT DECLARATION (EPD)	1.00	L.S.
401690	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING AND MILLING SURCHARGE	1,656.00	TON
503001	PATCHING PCC PAVEMENT, 6' TO 15', TYPE A	1,906.00	S.Y.
503002	PATCHING PCC PAVEMENT, 15' TO 100', TYPE B	2,260.00	S.Y.
503006	DOWEL BARS	2,764.00	EACH
503503	** PATCHING CONCRETE	8,332.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	7,078.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	76.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	3.00	EACH
701013	PCC CURB, TYPE 1-8	300.00	L.F.
701014	PCC CURB, TYPE 2	24.00	L.F.
701026	PCC MONOLITHIC MEDIAN	40.00	L.F.
705001	PCC SIDEWALK, 4"	3,500.00	S.F.
705005	PCC SIDEWALK, 8"	256.00	S.F.
705008	PEDESTRIAN CONNECTION, TYPE 1	3,779.00	S.F.
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	2,750.00	S.F.
705010	PEDESTRIAN CONNECTION, TYPE 5	875.00	S.F.
705531	WET CAST FLEXIBLE DETECTABLE WARNING SURFACE	709.00	S.F.

CONTRACT QUANTITIES SUMMARY SHEET

705532	PEDESTRIAN CONNECTION REPAIR	64.00	HOUR
710002	ADJUST WATER VALVE BOXES	44.00	EACH
710503	ADJUST GAS VALVE BOXES	8.00	EACH
711500	ADJUST AND REPAIR EXISTING SANITARY MANHOLE	39.00	EACH
720021	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	1,560.00	L.F.
720037	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31, STEEP SLOPE	69.00	L.F.
721000	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 2	1.00	EACH
721001	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 3	2.00	EACH
721003	GUARDRAIL END TREATMENT, TYPE 2-31, TEST LEVEL 3	3.00	EACH
721006	END ANCHORAGE 31	4.00	EACH
721010	GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 1-31	3.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	703,754.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,435.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	6,786.00	L.F.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
763518	CONNECTED MACHINERY	1.00	L.S.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	80.00	HOUR
801500	MAINTENANCE OF TRAFFIC, REHABILITATION	LUMP	SUM
803001	PROVIDE AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	240.00	EA-DY
804001	PROVIDE AND MAINTAIN PORTABLE LIGHT ASSEMBLY (FLOOD LIGHTS)	736.00	EA-DY
806500	** TRAFFIC OFFICERS	1,472.00	HOUR
808002	PROVIDE AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	184.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY	5,888.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, OVERTIME	588.00	HOUR
818001	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE IV, RETROREFLECTIVE SHEETING	197.00	S.F.

CONTRACT QUANTITIES SUMMARY SHEET

818003	SUPPLY OF ROADSIDE FLAT SHEET ALUMINUM SIGN PANEL, TYPE XI, RETROREFLECTIVE SHEETING	71.00	S.F.
819001	PROVIDE GALVANIZED TELESCOPING SIGN POST	29.00	EACH
819002	INSTALL OR REMOVE GALVANIZED TELESCOPING SIGN POST	54.00	EACH
819003	INSTALL OR REMOVE TRAFFIC SIGNS	88.00	EACH
819010	INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" DEPTH	6.00	EACH
824003	FLEXIBLE DELINEATOR, PERMANENT	29.00	EACH
830008	ADJUST OR REPAIR EXISTING CONDUIT JUNCTION WELL	64.00	EACH
846001	PROVIDE AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	6,571.00	L.F.
860004	TEMPORARY MARKINGS, LATEX, 4"	200,126.00	L.F.
860007	TEMPORARY PAVEMENT STRIPING, LATEX, SYMBOL/LEGEND	32,412.00	S.F.
860010	TEMPORARY MARKINGS, LATEX, BIKE SYMBOL	108.00	EACH
861001	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 6"	100,063.00	L.F.
861002	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 12"	2,589.00	L.F.
861003	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK 3"	1,134.00	L.F.
861004	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLACK 6"	284.00	L.F.
862002	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 6"	286.00	L.F.
862004	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	80.00	L.F.
862006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, SYMBOL/LEGEND	16,206.00	S.F.
863002	PREFORMED RETROREFLECTIVE MARKINGS, ALKYD-THERMOPLASTIC, BIKE SYMBOL	54.00	EACH
867001	SNOWPLOWABLE RAISED PAVEMENT MARKER	756.00	EACH
905005	INLET SEDIMENT CONTROL, CURB INLET	126.00	EACH
908004	TOPSOIL, 6" DEPTH	521.00	S.Y.
908016	PERMANENT GRASS SEEDING, SUBDIVISION	521.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	521.00	S.Y.

CONTRACT QUANTITIES SUMMARY SHEET

** DENOTES FIXED PRICE ITEM