

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION  
OFFICE OF TRANSPORTATION SOLUTIONS  
CONSTRUCTION PLANS AND SPECIFICATIONS FOR  
PAVEMENT & REHABILITATION, NORTH VIII, 2019

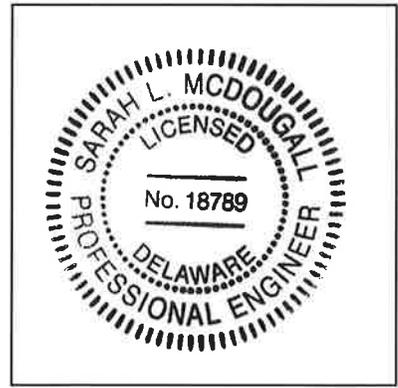
CONTRACT NUMBER - T201906108.01  
FEDERAL AID NUMBER - NONE

PRIMAVERA ID - 19-06108  
COUNTY: NEW CASTLE

PLANS PREPARED BY: Mike Beulah  
DESIGNER

UNOFFICIAL  
WEBSITE  
COPY

Sarah McDougall 11/1/19  
DELDOT - TRANSPORTATION SOLUTIONS DATE  
PAVEMENT MANAGEMENT - (PM)



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

APPROVED FOR ADVERTISEMENT

Aky 11/4/19  
DIRECTOR OF TRANSPORTATION SOLUTIONS DATE

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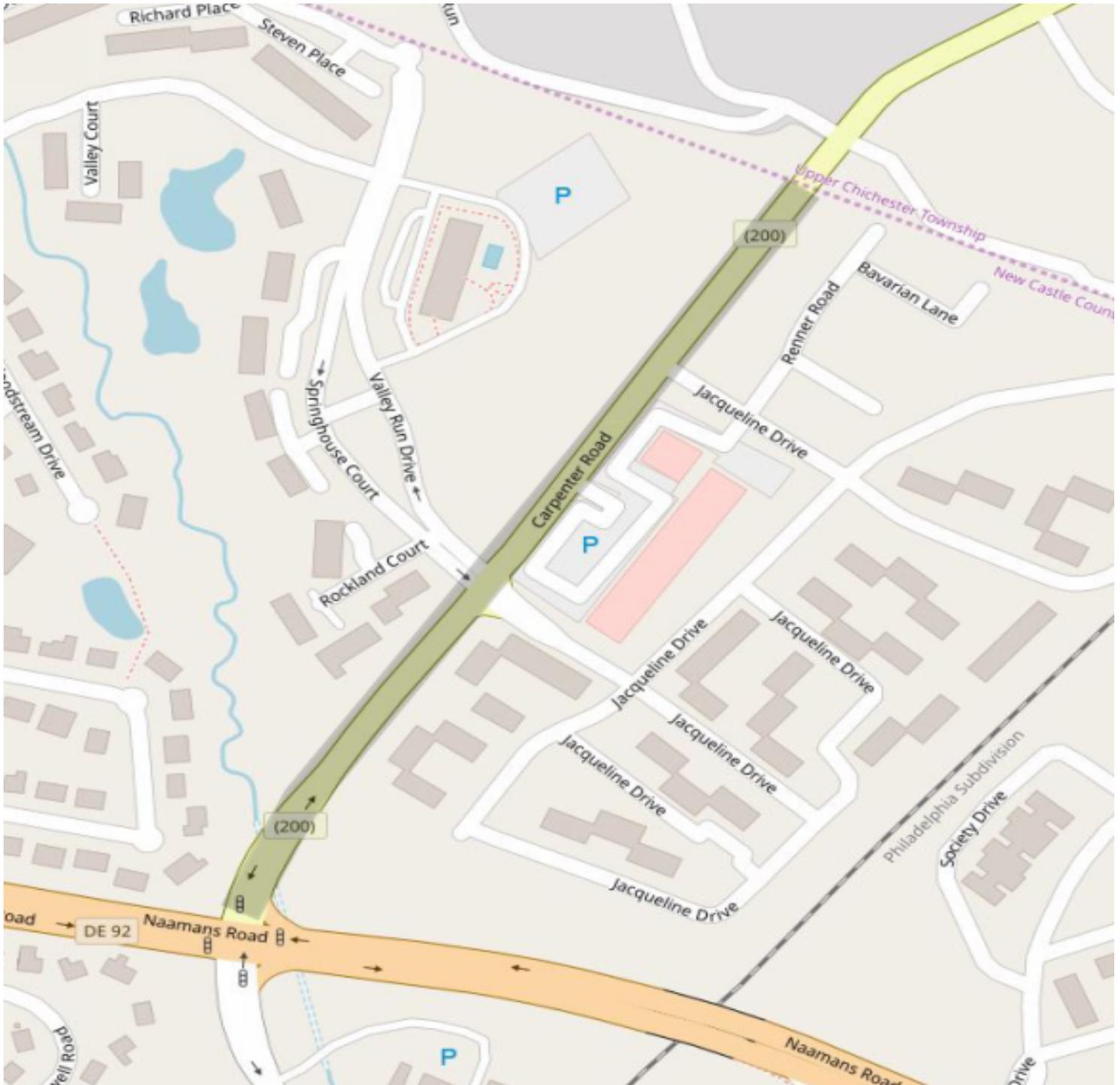
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FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD

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LOCATION MAP

LOCATION #1 - CARPENTER STATION ROAD FROM NAAMANS ROAD AT BITUMINOUS CONCRETE JOINT AT END OF CONCRETE MEDIAN TO PENNSYLVANIA LINE



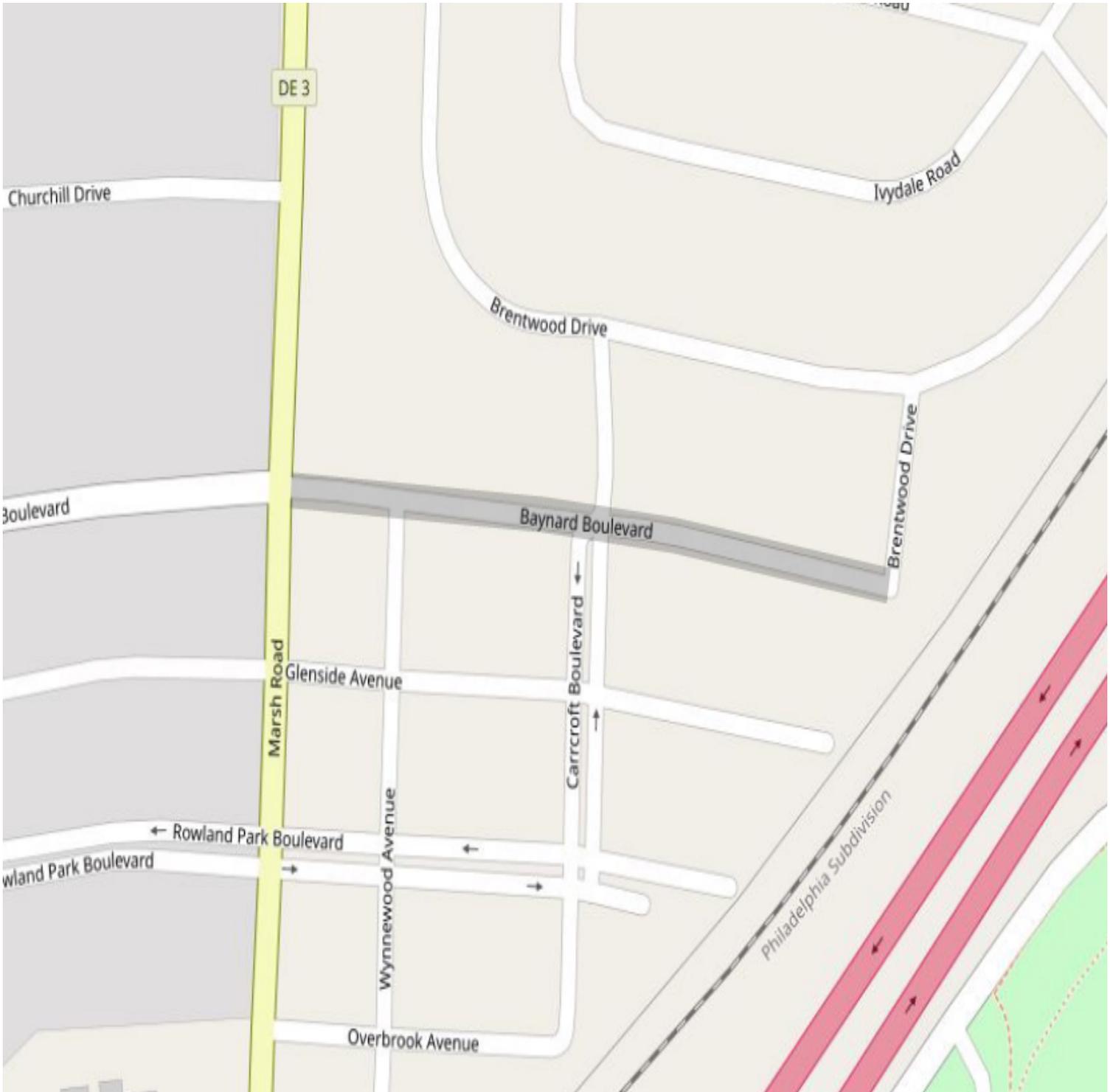
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LOCATION #2: BAYNARD BOULEVARD FROM MARSH ROAD TO BRENTWOOD, SMITHS  
BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD;  
BAYNARD BLVD

LOCATION MAP



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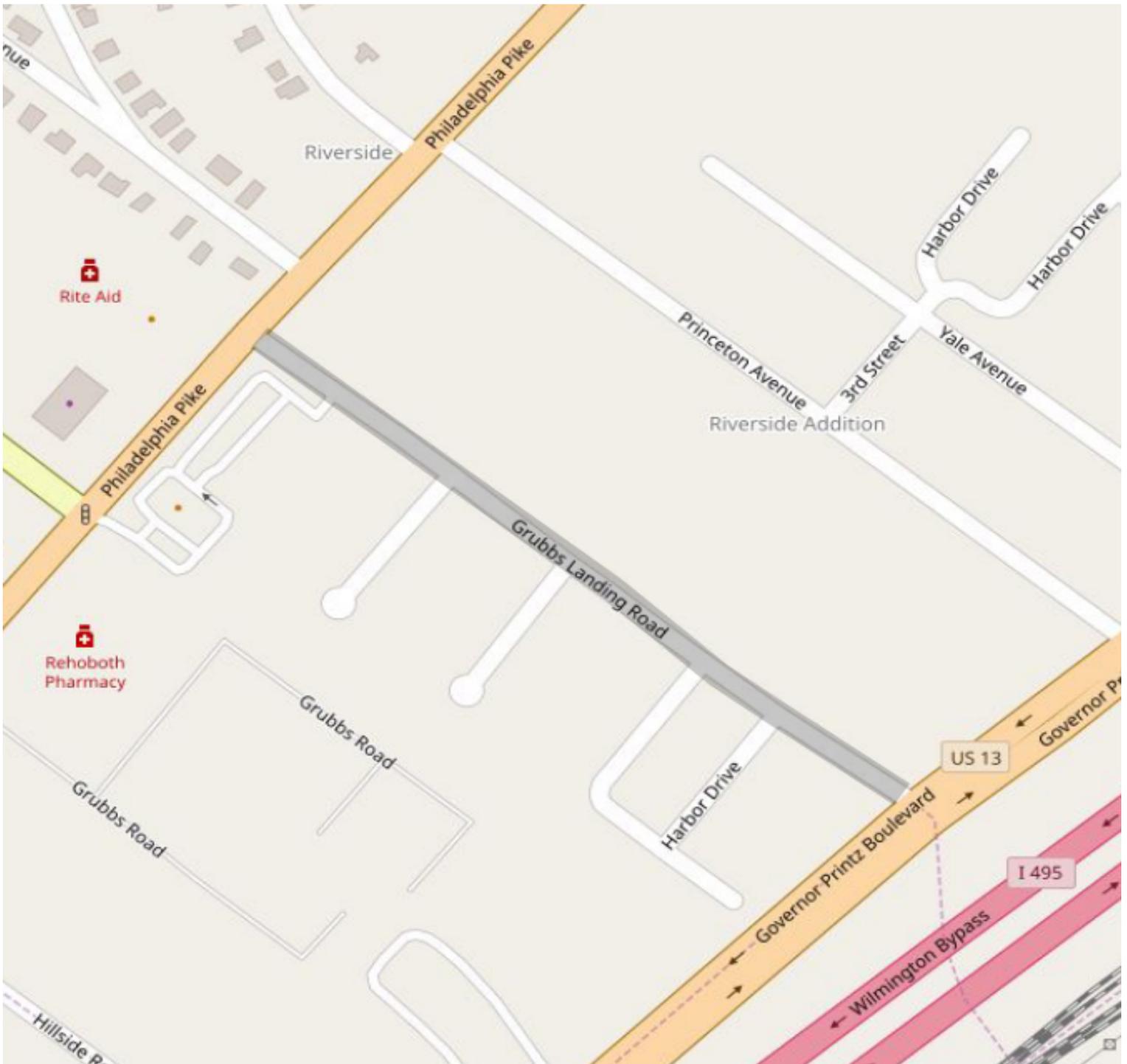
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FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD

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LOCATION MAP

LOCATION #3 - GRUBBS LANDING ROAD FROM 30' EAST OF PHILADELPHIA PIKE TO GOVERNOR PRINTZ BOULEVARD



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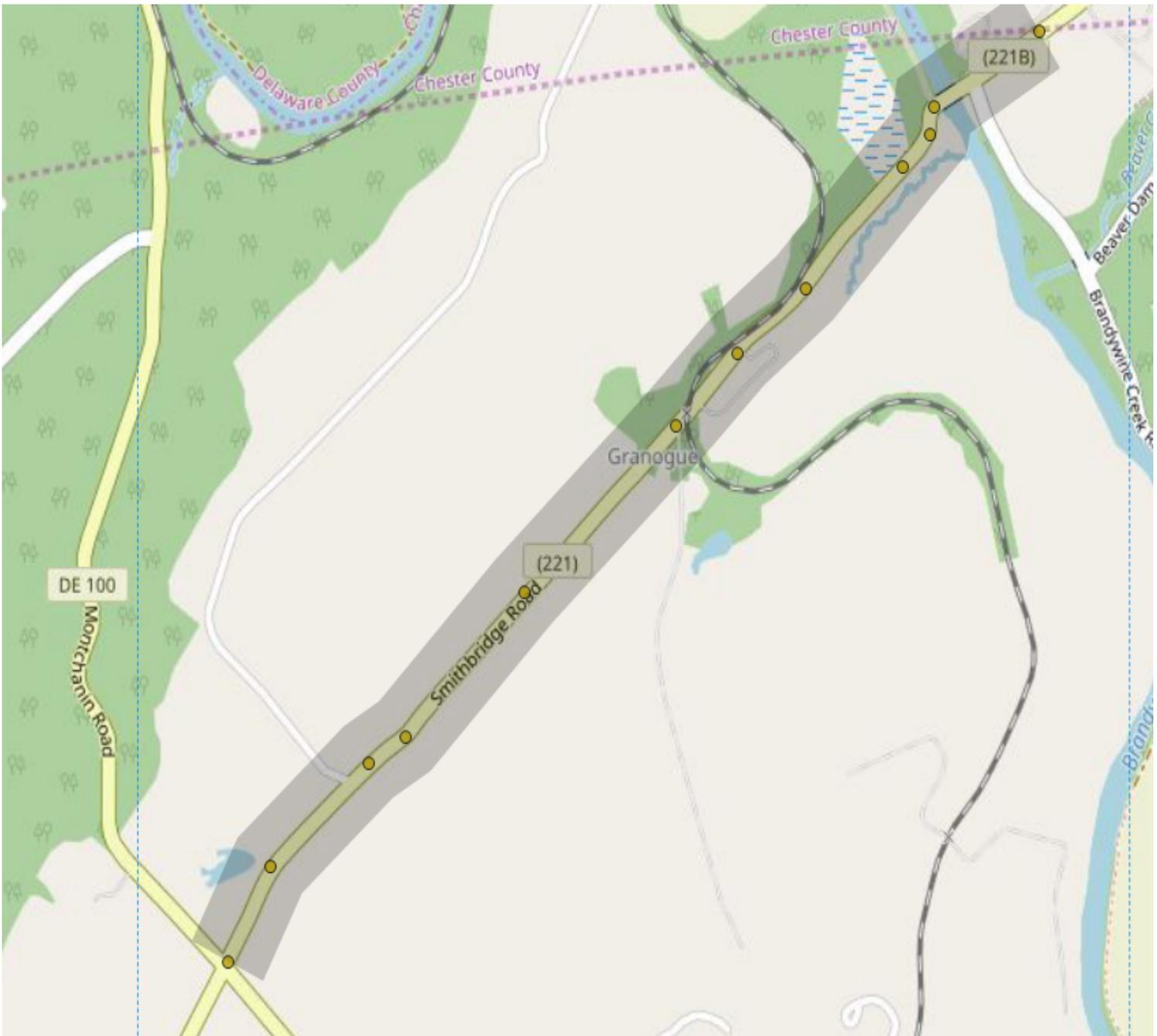
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**FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD**

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**LOCATION MAP**

**LOCATION #4 - SMITHS BRIDGE ROAD FROM BITUMINOUS CONCRETE JOINT 43' EAST OF MONTCHANIN ROAD TO BITUMINOUS CONCRETE JOINT @ PENNSYLVANIA LINE**



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FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD

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LOCATION MAP

LOCATION #5 - ROCKLAND ROAD FROM MONTCHANIN ROAD TO ADAMS DAM ROAD



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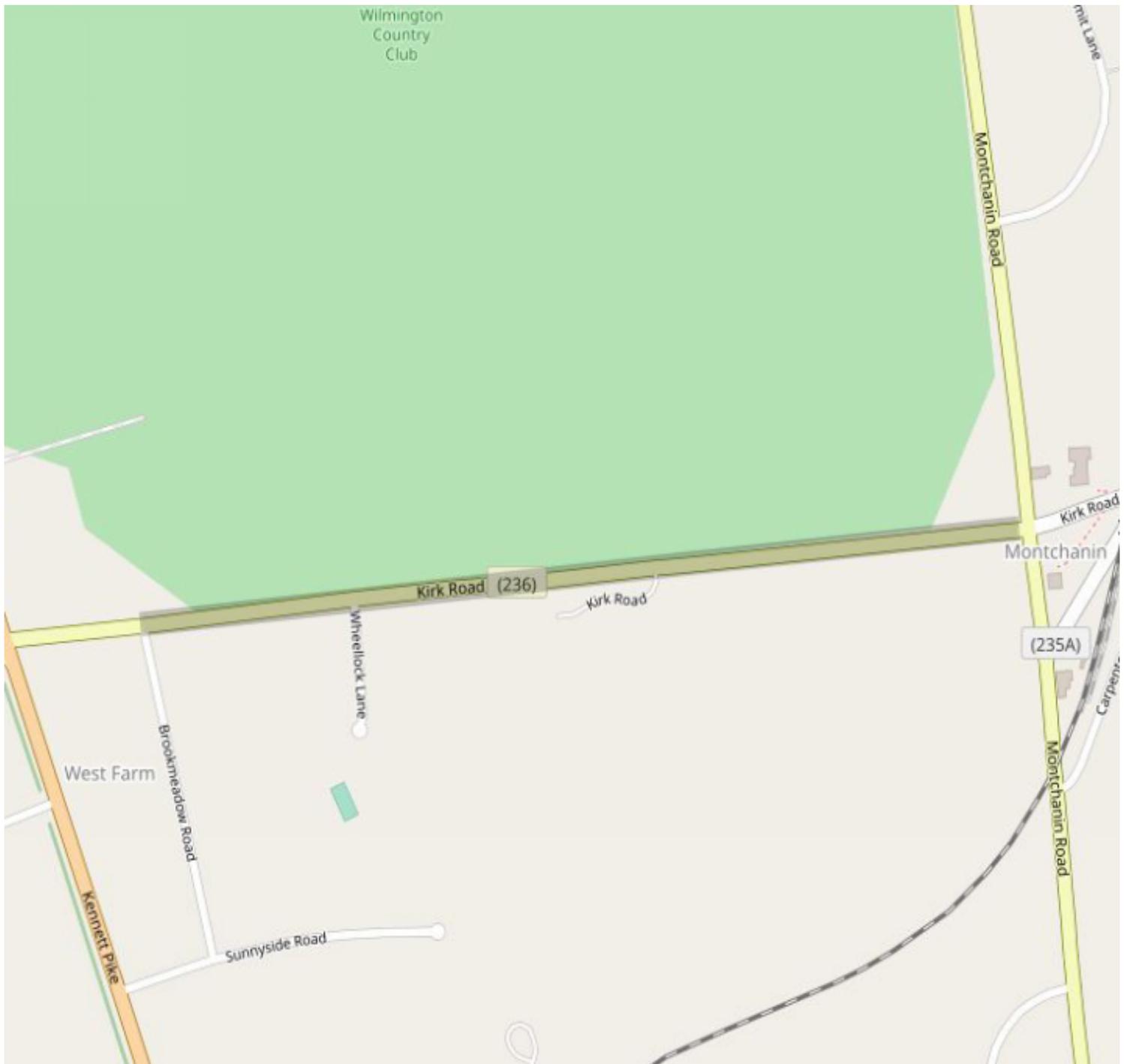
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FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD

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LOCATION MAP

LOCATION #6 - KIRK ROAD FROM 81' WEST OF BROOKMEADOW ROAD TO MONTCHANIN ROAD



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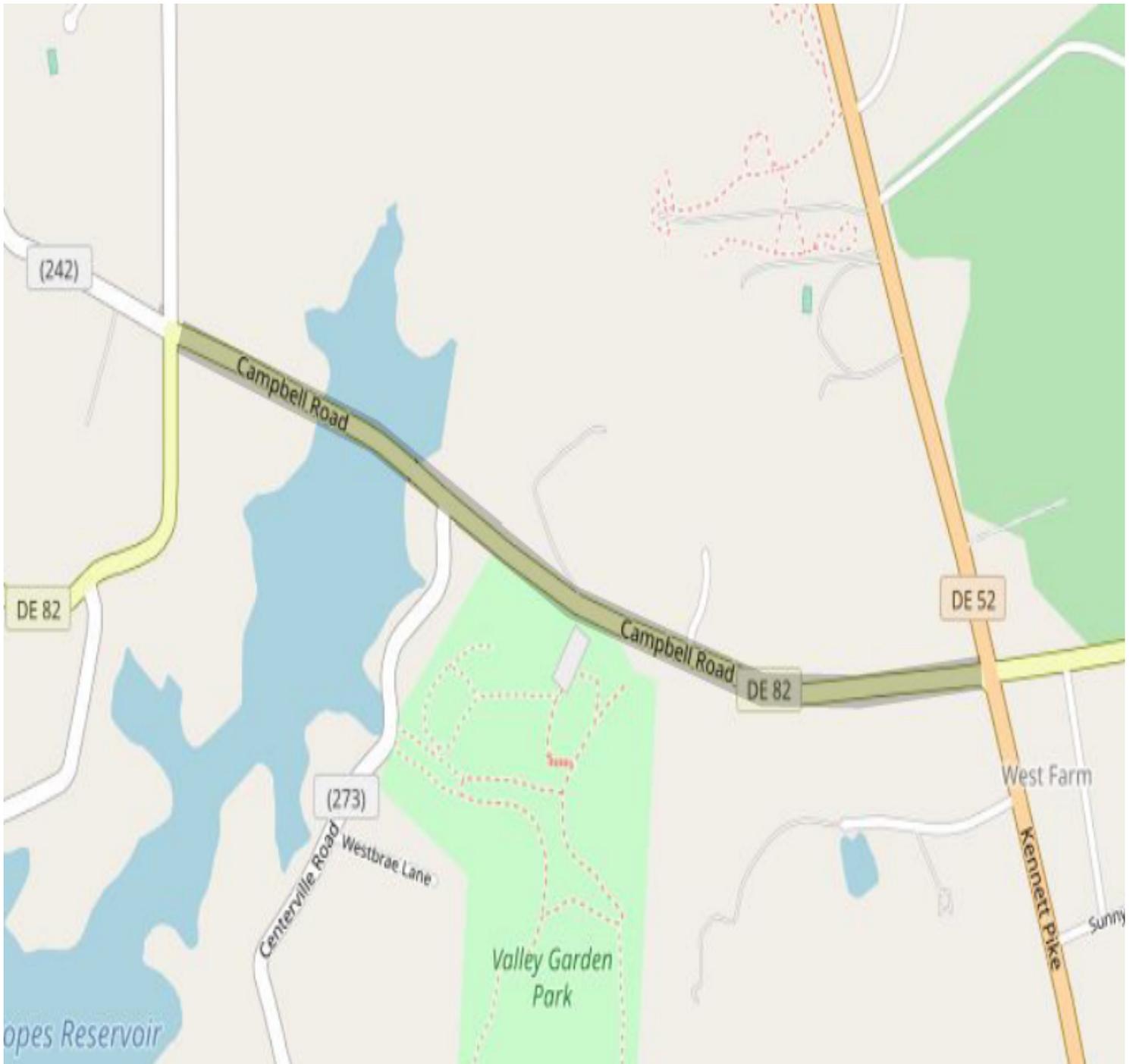
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FOLLOWING LOCATIONS WILL BE REHABILITATED - ROCKSPRING/ROCKLAND RD; SMITHS BRIDGE RD; CAMPBELL RD; KIRK RD; GRUBBS LANDING RD; CARPENTER STATION RD; BAYNARD BLVD

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LOCATION MAP

LOCATION #7 - CAMPBELL ROAD FROM NEW LONDON ROAD TO 274' WEST OF KENNETT PIKE



GENERAL CONTRACT PLAN NOTES

REVISED 8/2018

GENERAL

1. CONSTRUCTION OF THIS CONTRACT SHALL CONFORM TO DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED AUGUST 2016 AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS, THE SPECIAL PROVISIONS, THE MOST RECENT STANDARD CONSTRUCTION DETAILS, DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THESE PLANS.

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.

4. 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.

**GENERAL CONTRACT PLAN NOTES**

FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

**MAINTENANCE OF TRAFFIC**

5. 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.

6. WITHIN THE MAINLINE WORK AREA, PERMANENT ADVANCE WARNING SIGNS WITH THE LEGENDS "ROAD WORK 1500 FT", "ROAD WORK 1000 FT", AND "ROAD WORK 500 FT" SHALL BE INSTALLED IN ADVANCE OF THE WORK AREA IN BOTH DIRECTIONS. AN "END ROAD WORK ZONE" SIGN SHALL BE LOCATED 500 FEET DOWNSTREAM FROM THE WORK AREA. 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 NCHRP-350 OR 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.

**GENERAL CONTRACT PLAN NOTES**

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 BACKFILLED TO GRADE WITH COMPACTED MILLING MATERIAL ONLY. THIS 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 INCIDENTAL TO THE CURB RAMP ITEMS. 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

**GENERAL CONTRACT PLAN NOTES**

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.

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.

**GENERAL CONTRACT PLAN NOTES**

10. AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR SHALL BE REQUIRED FOR ALL LOCATIONS SPECIFIED IN THE CONTRACT PLANS. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. A COPY OF THE CERTIFICATION CARD FOR THE ATSSA TRAFFIC CONTROL SUPERVISOR SHALL BE SUBMITTED AT THE PRECONSTRUCTION MEETING. THE PAPER CERTIFICATE IS NOT ACCEPTABLE.

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. **HOLIDAY AND SPECIAL EVENTS**

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

- DECEMBER 24 THROUGH DECEMBER 27 (CHRISTMAS DAY)
- DECEMBER 31 THROUGH JANUARY 3 (NEW YEAR'S DAY)
- FRIDAY PRIOR TO EASTER THROUGH EASTER SUNDAY
- THURSDAY PRIOR TO MEMORIAL DAY THROUGH THE TUESDAY FOLLOWING MEMORIAL DAY
- DOVER INTERNATIONAL SPEEDWAY RACE WEEKENDS (THURSDAY PRIOR TO THE RACE EVENT THROUGH THE DAY AFTER THE RACE EVENT)
- JULY 3 THROUGH JULY 5 (INDEPENDENCE DAY)
- THURSDAY PRIOR TO LABOR DAY THROUGH THE TUESDAY FOLLOWING LABOR DAY
- WEDNESDAY PRIOR TO THANKSGIVING DAY THROUGH THE MONDAY FOLLOWING THANKSGIVING DAY

**GENERAL CONTRACT PLAN NOTES**

- FIREFLY MUSIC FESTIVAL – WEDNESDAY PRIOR TO THE EVENT THROUGH THE MONDAY FOLLOWING THE EVENT

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.

**TRM**

13. THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (GABC) IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER THE BITUMINOUS CONCRETE MILLING ITEM.

MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:

- a. DRIVEWAYS
- b. ENTRANCES
- c. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- d. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY(LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
- e. EDGE OF ROADWAY DROP-OFF

**GENERAL CONTRACT PLAN NOTES**

GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801500 - MAINTENANCE OF TRAFFIC ALL INCLUSIVE. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS OR GABC TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

**PAVEMENT MARKINGS**

14. SIGNING AND STRIPING PLANS WILL BE PROVIDED AT THE PRECONSTRUCTION MEETING. THE CONTRACTOR WILL NOT BE REQUIRED TO SUBMIT DETAILED DRAWINGS OF THE EXISTING PAVEMENT MARKINGS.

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 5-6-5 CONFIGURATION (2 EACH, 5" 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

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**GENERAL CONTRACT PLAN NOTES**

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.

17. ALL CROSSWALKS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.18 OF THE 2011 DELAWARE MUTCD.

**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. 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.

**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 SECTION

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GENERAL CONTRACT PLAN NOTES

401( ). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30200X.

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

25. EXCAVATION UP TO 1' IN FRONT OF CURB WILL BE INCIDENTAL TO ITEM 701XXX. HOT MIX PLACED IN FRONT OF CURB WILL BE PAID UNDER ITEM 401XXX. USE OF CONCRETE AS FILL IN FRONT OF CURB WILL NO LONGER 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.

GENERAL CONTRACT PLAN NOTES

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.

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 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.

30. DRAINAGE INLETS, WHICH ARE 4' GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 602.03 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

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DEPARTMENT OF TRANSPORTATION

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CONTRACT NUMBER- T201906108.01 NORTH MAINTENANCE  
PAVEMENT & REHABILITATION, NORTH VIII, 2019

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GENERAL CONTRACT PLAN NOTES

CONCRETE (6 HOUR ROADWAY MIX) AS STATED WITHIN SECTION 503.03.7 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.

33. ANY MILLING MATERIAL REQUIRED TO MAKE AREAS ADA COMPLIANT IF NOT COMPLETED IN THE SAME SHIFT AT CURB, SIDEWALK, CURB RAMPS, ISLANDS, ETC. WILL BE INCIDENTAL TO THE PAY ITEM ASSOCIATED WITH THE WORK. MILLING MATERIAL IS THE ONLY APPROVED MATERIAL FOR THIS PRACTICE.

34. 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".

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.

**GENERAL CONTRACT PLAN NOTES**

36. UPON RECEIPT OF THE MONTHLY PAY ESTIMATE ANY ISSUES OR DISCREPENCIES 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 DISCREPENCIES WILL BE PERMITTED. ANY DISCREPENCIES BEYOND THE 60 DAY TIME PERIOD WILL NOT BE ENTERTAINED.

37. 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.

38. 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 1/8 INCH FROM A REFERENCE LINE BETWEEN POINTS NOT GREATER THAN 10 FEET APART ALONG THE DIRECTION OF TRAFFIC. THE CONTRACTOR SHALL CORRECT UNACCEPTABLE DEVIATIONS IN THE PATCH AREAS.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201906108.01**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 1 200(CARPENTER STATION ROAD) FROM NAAMANS ROAD (RD 17) AT BITUMINOUS CONCRETE JOINT AT END OF CONCRETE MEDIAN TO PENNSYLVANIA LINE**

**LENGTH 514.8072 m 1689.0000 L.F. AADT 7352**

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB; PCC SIDEWALK; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 1**

202004	UNDERCUT EXCAVATION, PATCHING	10.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	40.00	S.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	20.00	TON
301008	RECYCLED ASPHALT PAVEMENT	60.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	700.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	250.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	30.00	TON
402000	BITUMINOUS CONCRETE PATCHING	4,300.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	40.00	TON
701013	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	30.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	100.00	L.F.
701027	PORTLAND CEMENT CONCRETE CURB, TYPE 1-2 MODIFIED	60.00	L.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	60.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	12,000.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	420.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	25.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	5.00	HOUR
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	30.00	EA-DY
806001	** TRAFFIC OFFICERS	120.00	HOUR
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	15.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	550.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	150.00	HOUR
817003	TEMPORARY MARKINGS, PAINT, 4"	12,470.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	6,235.00	L.F.
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	6.00	EACH

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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**LOCATION 1** 200(CARPENTER STATION ROAD) FROM NAAMANS ROAD (RD 17) AT BITUMINOUS CONCRETE JOINT AT END OF CONCRETE MEDIAN TO PENNSYLVANIA LINE

LENGTH 514.8072 m 1689.0000 L.F. AADT 7352

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB; PCC SIDEWALK; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 1**

905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	40.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	1,700.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	100.00	S.Y.

\*\* DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 1 200(CARPENTER STATION ROAD) FROM NAAMANS ROAD (RD 17) AT  
BITUMINOUS CONCRETE JOINT AT END OF CONCRETE MEDIAN TO  
PENNSYLVANIA LINE

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COMMENTS:

Recommended Traffic Control: TA10, TA3  
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Restricted Work Hours: 9:00 am to 5:00 pm  
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Curb Ramp/Triangular Channelizing Island Locations:  
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None Anticipated

Entrance and Driveway Locations:  
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Carpenter Plaza  
Foulk Preschool and Daycare Center

Utility Adjustments:  
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None Anticipated

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

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**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 2 206(BAYNARD BOULEVARD) FROM MARSH ROAD (RD 23) TO BRENTWOOD LANE (RD 105600)**

LENGTH 413.9184 m 1358.0000 L.F. AADT 150

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC SIDEWALK; SPEED HUMPS; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 2**

202004	UNDERCUT EXCAVATION, PATCHING	5.00	C.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	20.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	400.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	150.00	TON
401506	SPEED HUMP	50.00	L.F.
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	50.00	TON
402000	BITUMINOUS CONCRETE PATCHING	2,600.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	50.00	TON
602100	REPLACE DRAINAGE INLET GRATE(S)	1.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	2,200.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	380.00	S.F.
710002	ADJUST WATER VALVE BOXES	3.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	6,900.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	700.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	60.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	15.00	HOUR
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	30.00	EA-DY
806001	** TRAFFIC OFFICERS	120.00	HOUR
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	15.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	500.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	120.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	20.00	S.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 2 206(BAYNARD BOULEVARD) FROM MARSH ROAD (RD 23) TO BRENTWOOD LANE (RD 105600)

LENGTH 413.9184 m 1358.0000 L.F. AADT 150

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC SIDEWALK; SPEED HUMPS; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 2**

817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	40.00	S.F.
817006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	120.00	L.F.
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	52.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	6.00	EACH
908001	TOPSOIL	280.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	1,350.00	S.Y.

\*\* DENOTES FIXED PRICE ITEM

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 2 206(BAYNARD BOULEVARD) FROM MARSH ROAD (RD 23) TO BRENTWOOD  
LANE (RD 105600)

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COMMENTS:

Recommended Traffic Control: TA10  
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Restricted Work Hours: 8:00 am to 7:00 pm  
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No lane closures will be permitted on or near Marsh Road prior to 9:00 AM.

Curb Ramp/Triangular Channelizing Island Locations:  
-----

None Anticipated

Entrance and Driveway Locations:  
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#510  
#509  
#507  
Brentwood Drive  
Carcroft Boulevard  
Wynnewood Road  
Baynard @ Marsh Road

Utility Adjustments:  
-----

Water Valves (3)  
Gas Valves by Others (3)  
New Castle County Manholes (3)  
Verizon Manholes (1)

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

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**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 3 211(GRUBBS LANDING ROAD) FROM 30' EAST OF PHILADELPHIA PIKE (RD 24) TO GOVERNOR PRINTZ BLVD. (RD 50)**

LENGTH 426.7200 m 1400.0000 L.F. AADT 1557

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB AND GUTTER; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 3**

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	10.00	S.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	20.00	TON
301008	RECYCLED ASPHALT PAVEMENT	100.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	520.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	200.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	60.00	TON
402000	BITUMINOUS CONCRETE PATCHING	3,450.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	40.00	TON
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	50.00	L.F.
710002	ADJUST WATER VALVE BOXES	5.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	9,000.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	220.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	5.00	HOUR
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	30.00	EA-DY
806001	** TRAFFIC OFFICERS	156.00	HOUR
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	13.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	312.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	156.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	240.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	6,160.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	480.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	3,080.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	18.00	EACH

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 3 211(GRUBBS LANDING ROAD) FROM 30' EAST OF PHILADELPHIA PIKE (RD 24) TO GOVERNOR PRINTZ BLVD. (RD 50)

LENGTH 426.7200 m 1400.0000 L.F. AADT 1557

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB AND GUTTER; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 3**

819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	28.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	10.00	EACH

\*\* DENOTES FIXED PRICE ITEM

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 3 211(GRUBBS LANDING ROAD) FROM 30' EAST OF PHILADELPHIA PIKE (RD 24) TO GOVERNOR PRINTZ BLVD. (RD 50)

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COMMENTS:

Recommended Traffic Control: TA10  
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Restricted Work Hours: 8:00 am to 7:00 pm  
-----

Curb Ramp/Triangular Channelizing Island Locations:  
-----

None Anticipated

Entrance and Driveway Locations:  
-----

Resident #4  
Apartment Entrance  
Rivers End  
B&D Auto

Utility Adjustments:  
-----

Water Valves (5)

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

If present, removal of existing raised/recessed pavement markers will be incidental to the applicable paving item.

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 4 221B(SMITHS BRIDGE ROAD) FROM BITUMINOUS CONCRETE JOINT 43' EAST OF MONTCHANIN ROAD (RD 232) TO BITUMINOUS CONCRETE JOINT @ PENNSYLVANIA LINE**

**LENGTH 2468.8800 m 8100.0000 L.F. AADT 3259**

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 4**

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	40.00	S.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	120.00	TON
301008	RECYCLED ASPHALT PAVEMENT	700.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,200.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	600.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	120.00	TON
402000	BITUMINOUS CONCRETE PATCHING	10,500.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	30.00	TON
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	36,500.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	850.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	10.00	hour
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	45.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	20.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	720.00	hour
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	360.00	hour
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	125.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	33,860.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	200.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	16,930.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	90.00	EACH
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	21.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	20.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	80.00	S.Y.

NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 4 221B(SMITHS BRIDGE ROAD) FROM BITUMINOUS CONCRETE JOINT 43'  
EAST OF MONTCHANIN ROAD (RD 232) TO BITUMINOUS CONCRETE JOINT  
@ PENNSYLVANIA LINE

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COMMENTS:

Recommended Traffic Control: Road Closure with Detours - Typical applications to be  
utilized during closures for local traffic  
-----

Restricted Work Hours: 8:00 am to 7:00 pm  
-----

Curb Ramp/Triangular Channelizing Island Locations:  
-----

None Anticipated

Entrance and Driveway Locations:  
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Resident #509  
Resident #601  
Resident #707 - #715  
Resident #801  
Resident #901 - #903  
Resident #1004  
Resident #1014 - #1016  
Resident #1405  
Creek Road

Utility Adjustments:  
-----

None Anticipated

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

If present, removal of existing raised/recessed pavement markers will be incidental to the  
applicable paving item.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 5 235(ROCKLAND ROAD) FROM MONTCHANIN ROAD (RD 236) TO ADAMS DAM ROAD (RD 232)**

**LENGTH 1524.0000 m 5000.0000 L.F. AADT 5490**

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 5**

301003	GRADED AGGREGATE BASE COURSE, TYPE B	30.00	TON
301008	RECYCLED ASPHALT PAVEMENT	250.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,450.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	250.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	100.00	TON
402000	BITUMINOUS CONCRETE PATCHING	4,310.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	50.00	TON
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	4.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	24,800.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	500.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	10.00	HOUR
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	45.00	EA-DY
806001	** TRAFFIC OFFICERS	200.00	HOUR
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	15.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	500.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	150.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	70.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	32,130.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	140.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	16,065.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	50.00	EACH
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	21.00	EACH
819019	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS	13.00	S.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 5 235(ROCKLAND ROAD) FROM MONTCHANIN ROAD (RD 236) TO ADAMS  
DAM ROAD (RD 232)

LENGTH 1524.0000 m 5000.0000 L.F. AADT 5490

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE  
PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 5**

905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	11.00	EACH
908001	TOPSOIL	190.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	850.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	150.00	S.Y.

\*\* DENOTES FIXED PRICE ITEM

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 5 235(ROCKLAND ROAD) FROM MONTCHANIN ROAD (RD 236) TO ADAMS  
DAM ROAD (RD 232)

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COMMENTS:

Recommended Traffic Control: TA10  
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Restricted Work Hours: 8:00 am to 7:00 pm  
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Curb Ramp/Triangular Channelizing Island Locations:  
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None Anticipated

Entrance and Driveway Locations:  
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Resident #400  
Resident #190  
Resident #180  
Resident #1XX  
Montchanin Court  
Kirk @ Rockland Road  
Montchanin @ Rockland Road  
Adams Dam @ Rockland Road

Utility Adjustments:  
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NCC Manholes (3)

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

If present, removal of existing raised/recessed pavement markers will be incidental to the  
applicable paving item.

Environmental:  
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Work on this location will take place within the Rockland Historic District, the Strand  
Millas and Rock Spring Historic District, and the Montchanin Historic District. Due to the  
historic nature of these areas, all construction activities as well as staging and  
stockpiling should be confined to the existing roadway footprint to avoid any potential  
impacts to historic properties.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 6 236(KIRK ROAD) FROM 81' WEST OF BROOKMEADOW ROAD TO MONTCHANIN ROAD**

**LENGTH 1102.4616 m 3617.0000 L.F. AADT 3090**

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB; PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 6**

202004	UNDERCUT EXCAVATION, PATCHING	20.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	15.00	S.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	40.00	TON
301008	RECYCLED ASPHALT PAVEMENT	180.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,000.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	850.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	40.00	TON
402000	BITUMINOUS CONCRETE PATCHING	14,700.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	30.00	TON
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	80.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	16,700.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	100.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	10.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	10.00	HOUR
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	30.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	420.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	210.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	85.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	28,490.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	170.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	14,245.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	45.00	EACH
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	35.00	EACH
846001	FURNISH AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	230.00	L.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 6 236(KIRK ROAD) FROM 81' WEST OF BROOKMEADOW ROAD TO  
MONTCHANIN ROAD

LENGTH 1102.4616 m 3617.0000 L.F. AADT 3090

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE  
PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PCC CURB; PAVEMENT  
MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 6**

905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	14.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	650.00	S.Y.

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 6 236(KIRK ROAD) FROM 81' WEST OF BROOKMEADOW ROAD TO  
MONTCHANIN ROAD

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COMMENTS:

Recommended Traffic Control: Road Closure with Detours - Typical applications to be utilized during closures for local traffic

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Restricted Work Hours: 8:00 am to 7:00 pm

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Curb Ramp/Triangular Channelizing Island Locations:

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None Anticipated

Entrance and Driveway Locations:

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Brookmeadow Road  
Wheellock Lane

Utility Adjustments:

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None Anticipated

Notes:

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

If present, removal of existing raised/recessed pavement markers will be incidental to the applicable paving item.



**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019**

**LOCATION 7 242(CAMPBELL ROAD) FROM NEW LONDON ROAD (RD 262) TO 274' WEST OF KENNETT PIKE (RD 9)**

**LENGTH 1850.7456 m 6072.0000 L.F. AADT 2012**

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

**MATERIAL ESTIMATE FOR LOCATION 7**

301003	GRADED AGGREGATE BASE COURSE, TYPE B	20.00	TON
301008	RECYCLED ASPHALT PAVEMENT	440.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,850.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	1,000.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	180.00	TON
402000	BITUMINOUS CONCRETE PATCHING	17,250.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	50.00	TON
602100	REPLACE DRAINAGE INLET GRATE(S)	1.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	32,000.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,000.00	L.F.
763621	CONSTRUCTION ENGINEERING, REHABILITATION	5.00	hour
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	45.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	20.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	640.00	hour
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	320.00	hour
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	70.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	28,380.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	140.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	14,190.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	75.00	EACH
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	35.00	EACH
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	300.00	TON

DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 7 242(CAMPBELL ROAD) FROM NEW LONDON ROAD (RD 262) TO 274' WEST OF KENNETT PIKE (RD 9)

LENGTH 1850.7456 m 6072.0000 L.F. AADT 2012

**GENERAL IMPROVEMENTS**

2" PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT; BITUMINOUS CONCRETE PATCHING; 2" SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE); PAVEMENT MARKINGS

**COMMENTS:**

Please see attached sheets for comments

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**MATERIAL ESTIMATE FOR LOCATION 7**

908014	PERMANENT GRASS SEEDING, DRY GROUND	1,450.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	200.00	S.Y.

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DELAWARE DEPARTMENT OF TRANSPORTATION

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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LOCATION 7 242(CAMPBELL ROAD) FROM NEW LONDON ROAD (RD 262) TO 274' WEST OF KENNETT PIKE (RD 9)

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COMMENTS:

Recommended Traffic Control: Road Closure with Detours - Typical applications to be utilized during closures for local traffic

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Restricted Work Hours: 8:00 am to 7:00 pm

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Curb Ramp/Triangular Channelizing Island Locations:

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None Anticipated

Entrance and Driveway Locations:

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Resident #200  
Resident #110  
Resident #105  
Resident #101  
Resident #500  
Resident #505  
Resident #400 - 407  
Resident #3XX  
Resident #301  
Resident #304  
Resident #300  
Resident #601  
Resident #603  
Resident #751  
Park Parking Lot Entrance  
Park Maintenance Entrance  
Owl's Nest/New London Road  
Centerville Road

UNOFFICIAL  
WEBSITE  
COPY

Utility Adjustments:

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None Anticipated

Notes:

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

If present, removal of existing raised/recessed pavement markers will be incidental to the applicable paving item.

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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CONTRACT QUANTITIES SUMMARY SHEET

202004	UNDERCUT EXCAVATION, PATCHING	35.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	105.00	S.Y.
301003	GRADED AGGREGATE BASE COURSE, TYPE B	270.00	TON
301008	RECYCLED ASPHALT PAVEMENT	1,730.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	8,120.00	TON
401031	SUPERPAVE TYPE BCBC, PG 64-22, PATCHING	3,300.00	TON
401506	SPEED HUMP	50.00	L.F.
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	580.00	TON
402000	BITUMINOUS CONCRETE PATCHING	57,110.00	SY-IN
403000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS (TRM) CONCRETE	290.00	TON
602100	REPLACE DRAINAGE INLET GRATE(S)	2.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	2.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	8.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	7.00	EACH
701013	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	30.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	230.00	L.F.
701027	PORTLAND CEMENT CONCRETE CURB, TYPE 1-2 MODIFIED	60.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	2,200.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	440.00	S.F.
710002	ADJUST WATER VALVE BOXES	8.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	137,900.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	3,790.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	115.00	L.F.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
763621	CONSTRUCTION ENGINEERING, REHABILITATION	60.00	HOUR
801500	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	SUM
803001	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	255.00	EA-DY

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NORTH MAINTENANCE PAVEMENT & REHABILITATION, NORTH VIII, 2019

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CONTRACT QUANTITIES SUMMARY SHEET

806001	** TRAFFIC OFFICERS	596.00	HOUR
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	98.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	3,642.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	1,466.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	610.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	141,490.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	1,170.00	S.F.
817006	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	120.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	70,745.00	L.F.
817027	RAISED/RECESSED PAVEMENT MARKER	278.00	EACH
819018	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	198.00	EACH
819019	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS	13.00	S.F.
846001	FURNISH AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	230.00	L.F.
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	37.00	EACH
908001	TOPSOIL	844.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	6,080.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	450.00	S.Y.

\*\* DENOTES FIXED PRICE ITEM