

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
OFFICE OF TRANSPORTATION SOLUTIONS
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER- T201803102 CANAL

FEDERAL AID NUMBER- NONE

PAGE 1 OF 74

CONTRACT TITLE- COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

PLANS PREPARED BY: [Signature]
DESIGN TECHNICIAN

DATE RECOMMENDED: 1/16/18

[Signature]
PUBLIC WORKS ENGINEER:

DATE RECOMMENDED: 1/16/18

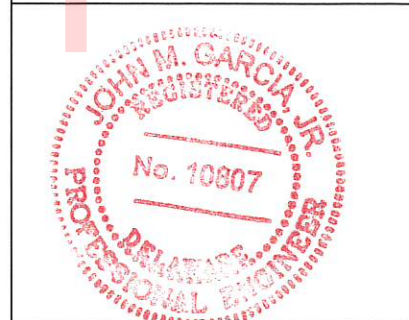
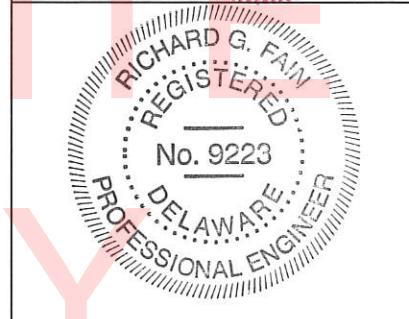
[Signature]
MAINTENANCE ENGINEER:

DATE RECOMMENDED: 1/16/18

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CONTRACTS ENGINEER:

DATE APPROVED: 1/16/18

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DISTRICT ENGINEER:



UNOFFICIAL WEBSITE COPY

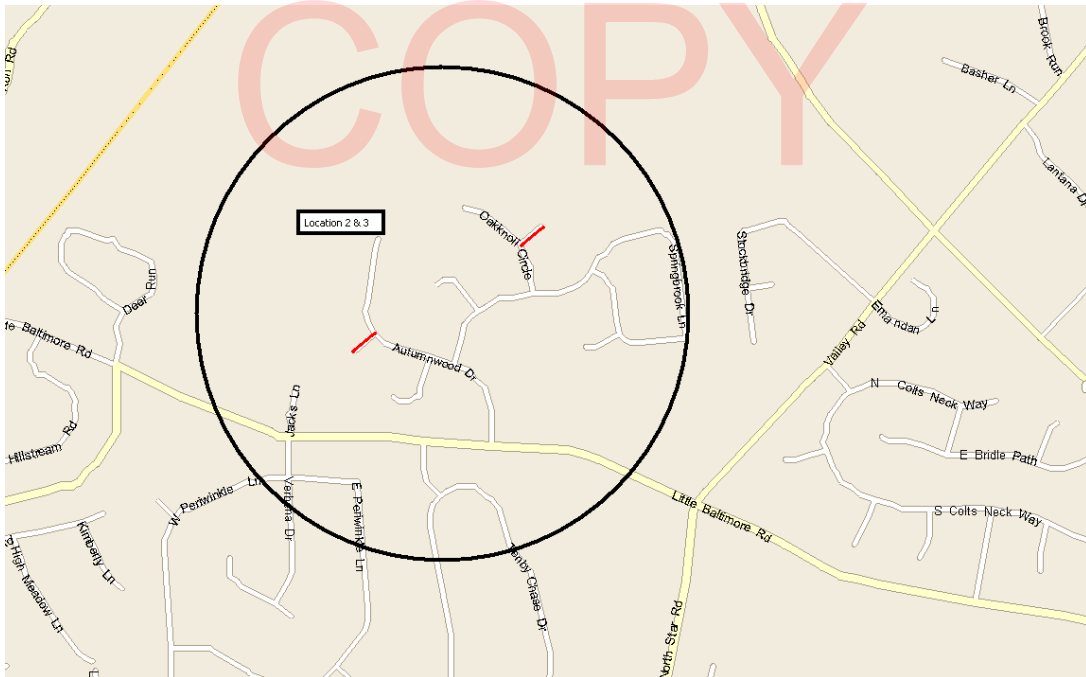
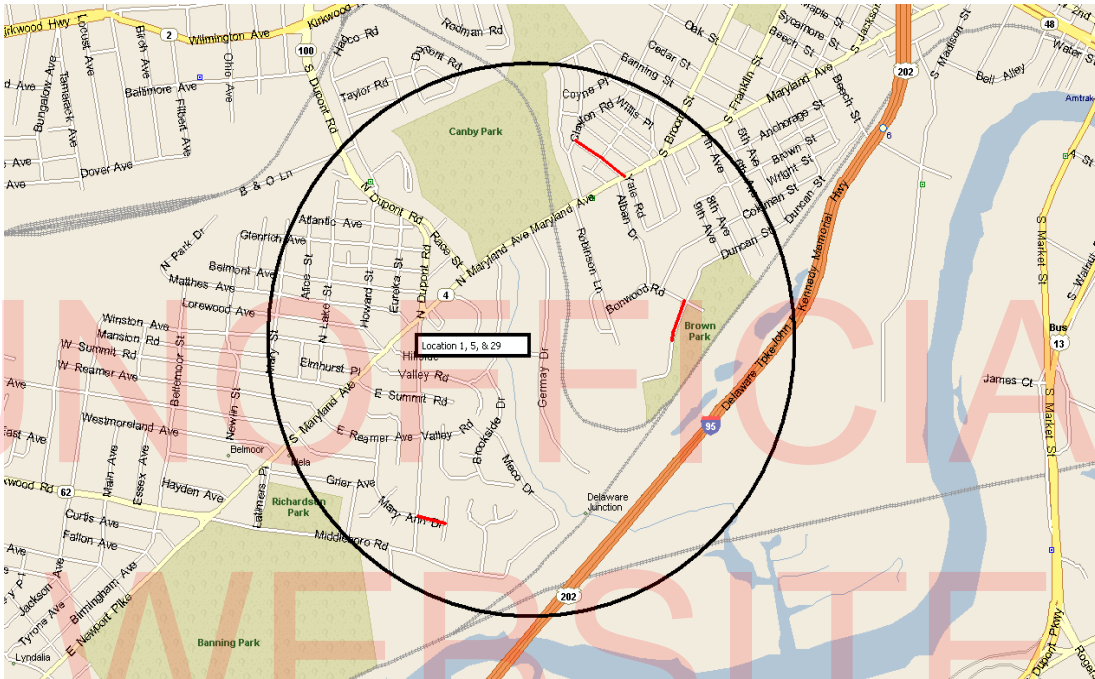
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 2 OF 74

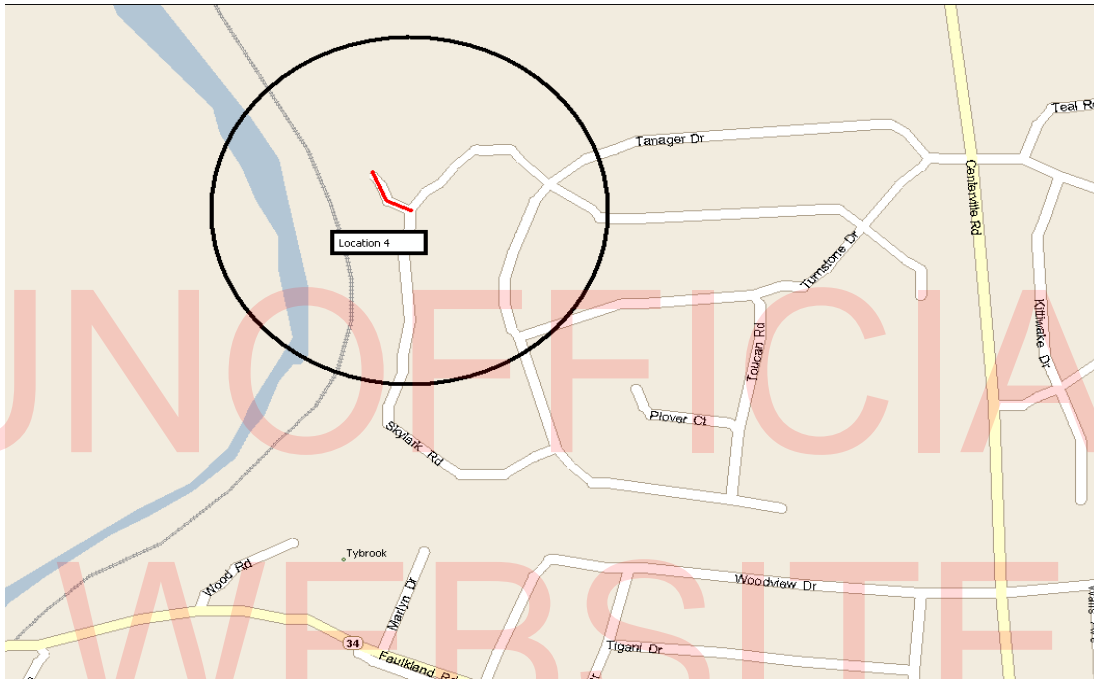
CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

LOCATION MAP



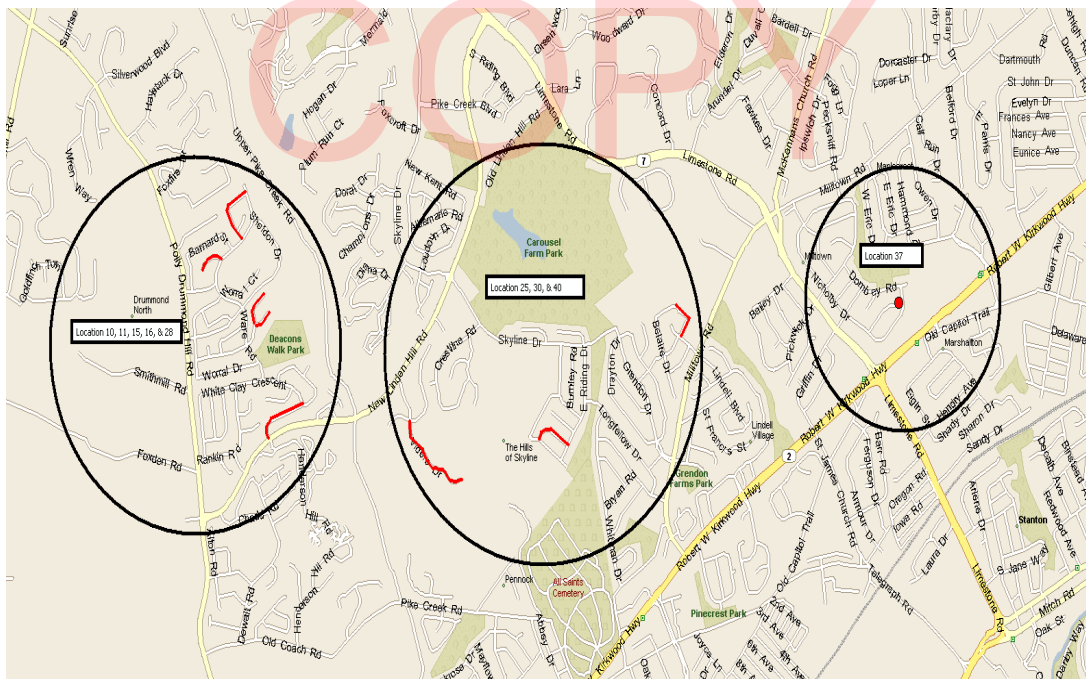
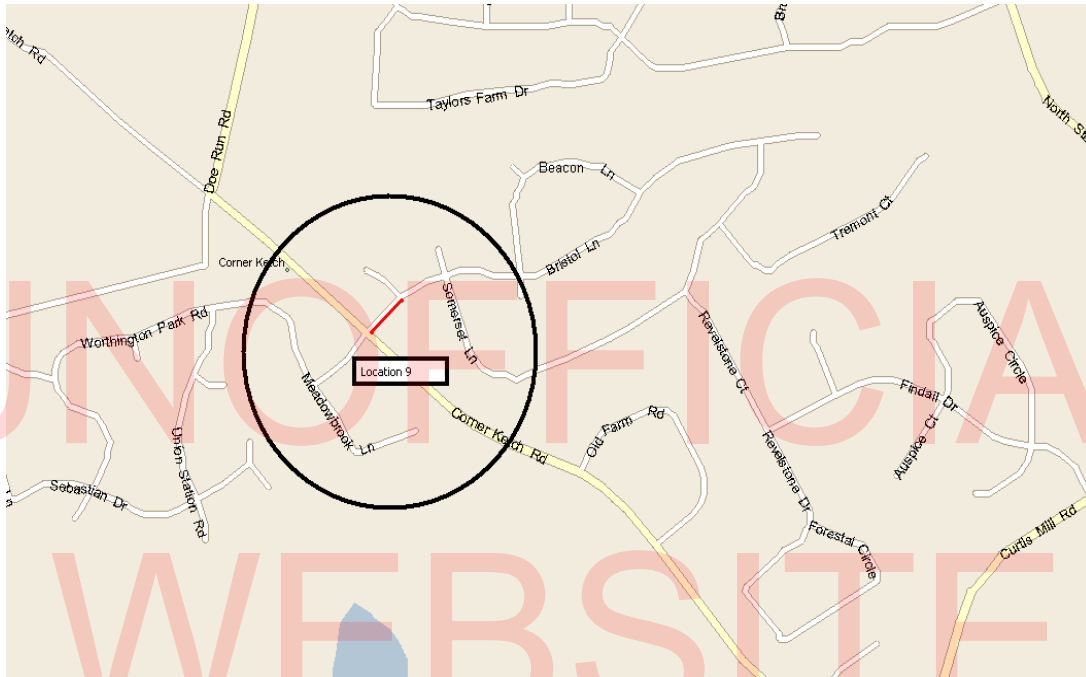
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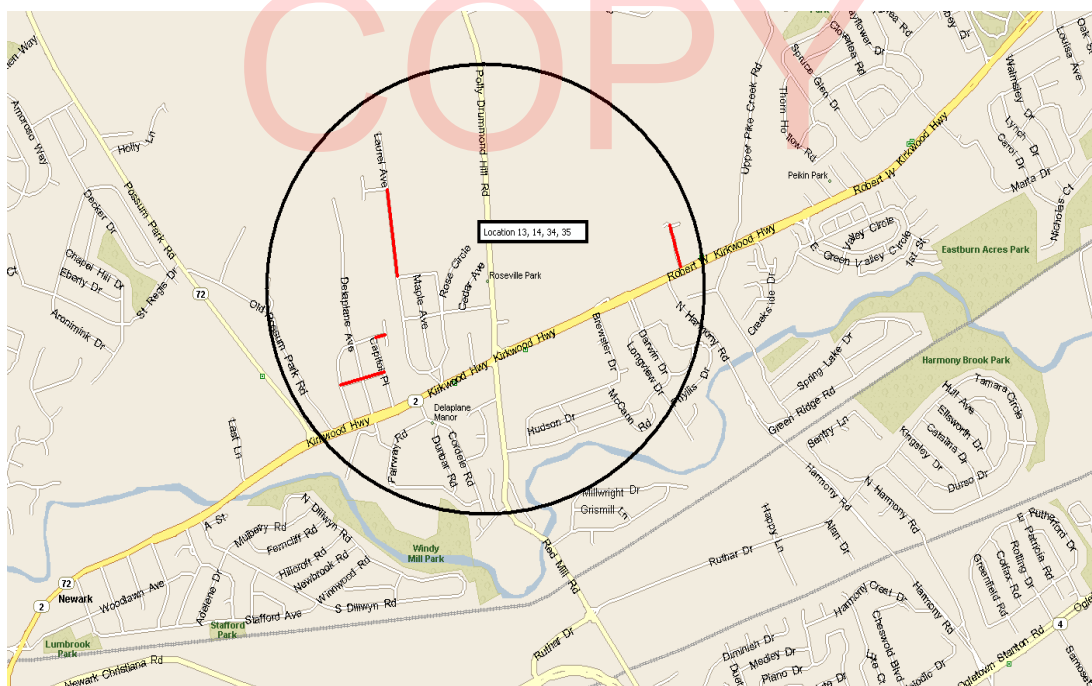
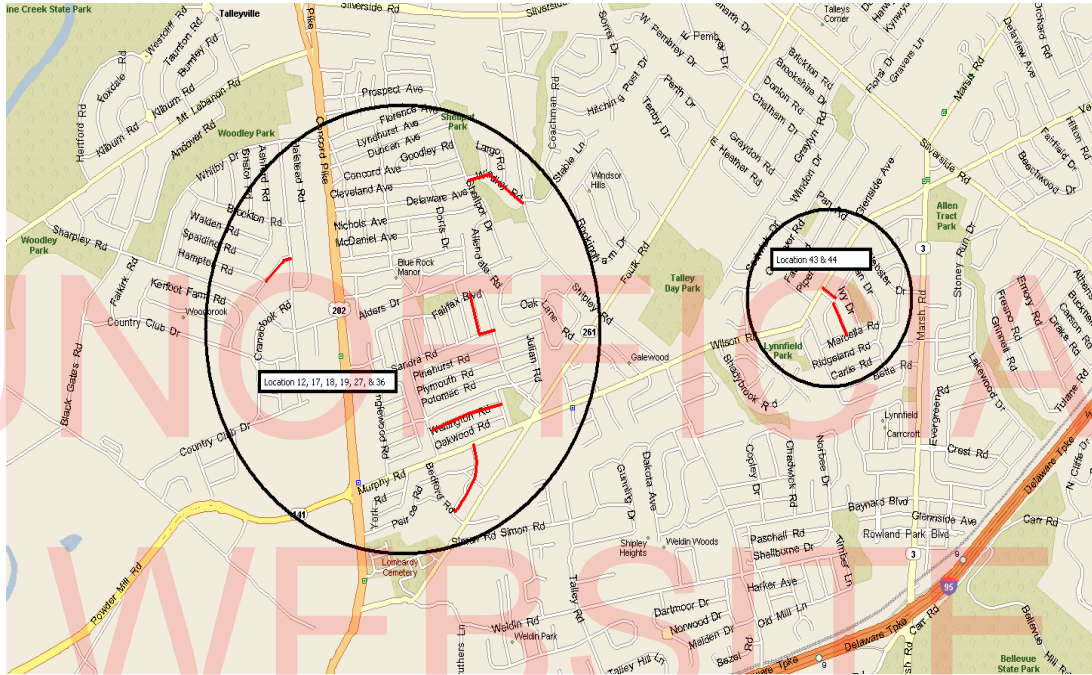
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 5 OF 74

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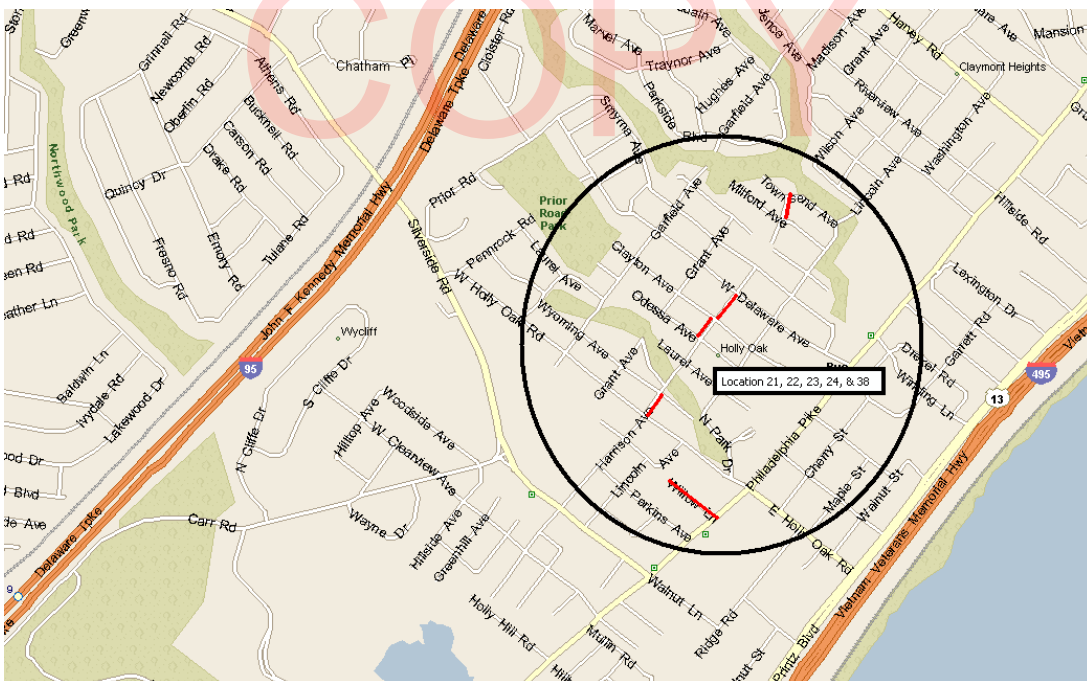
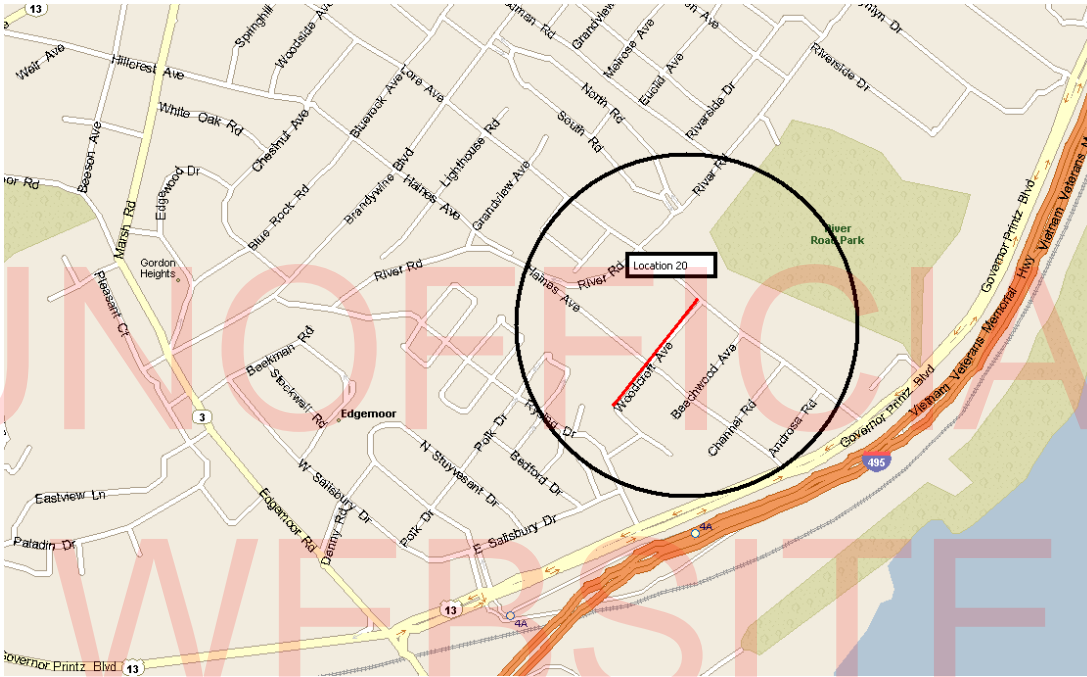
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 6 OF 74

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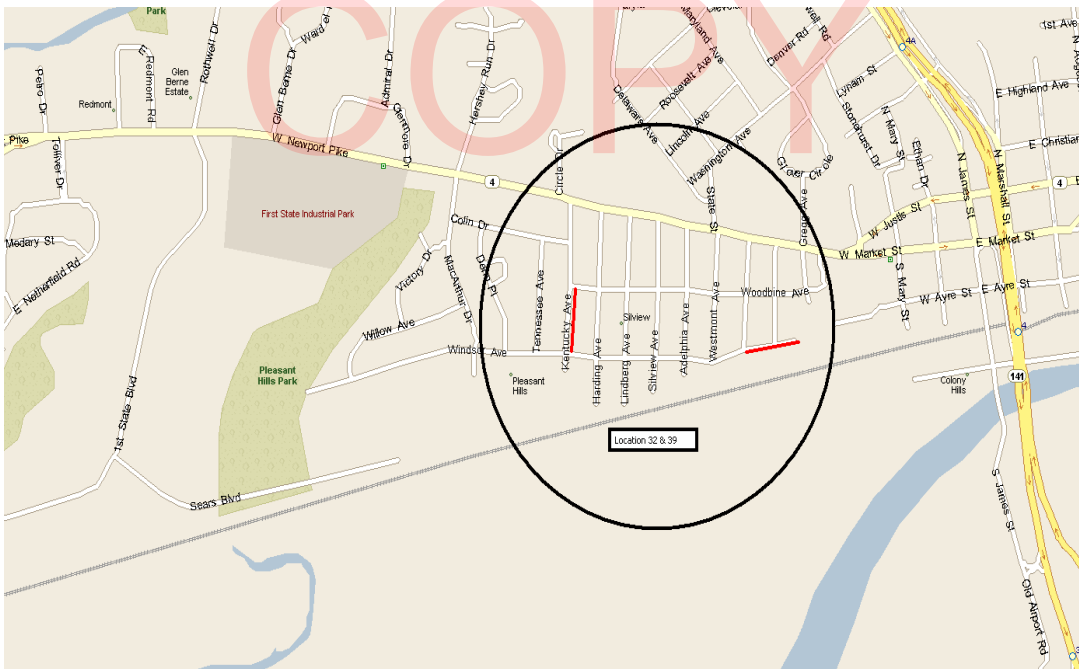
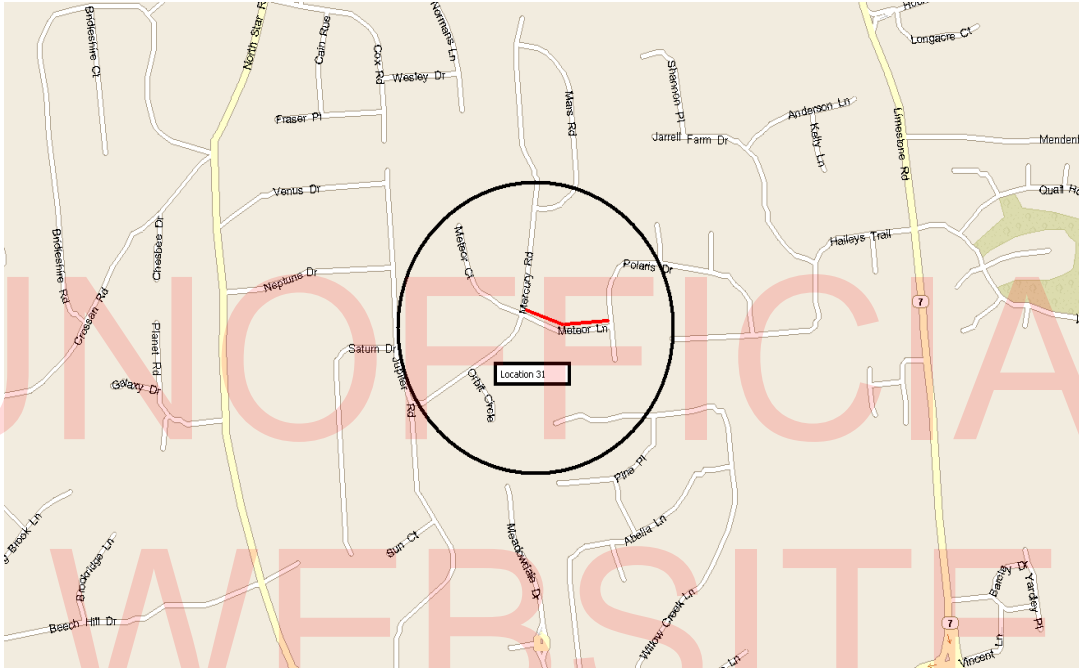
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 7 OF 74

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LOCATION MAP



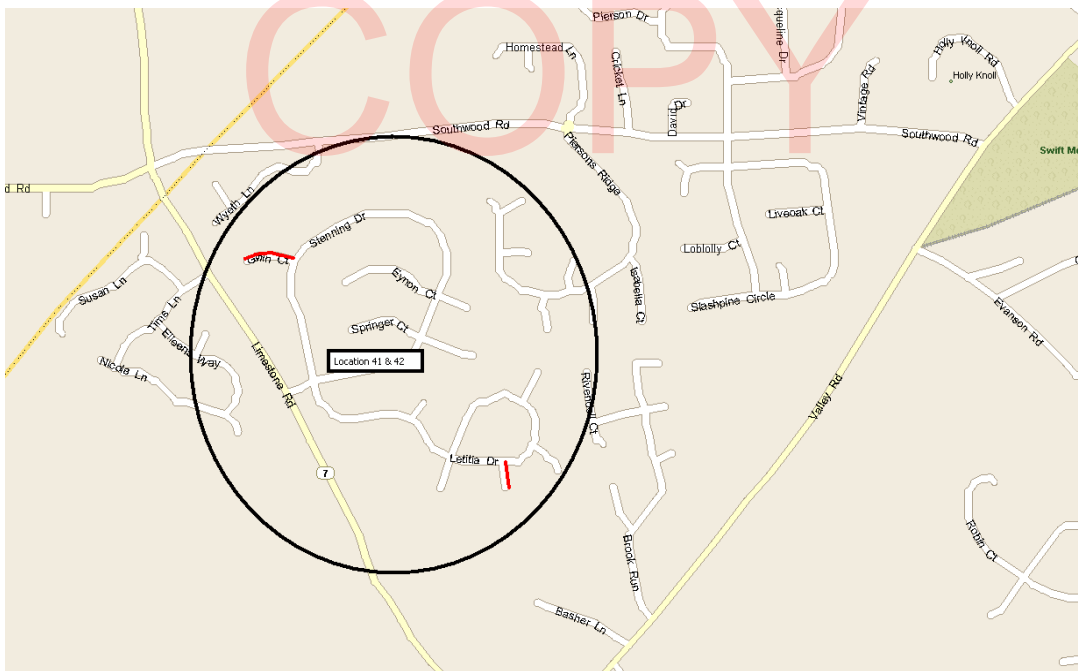
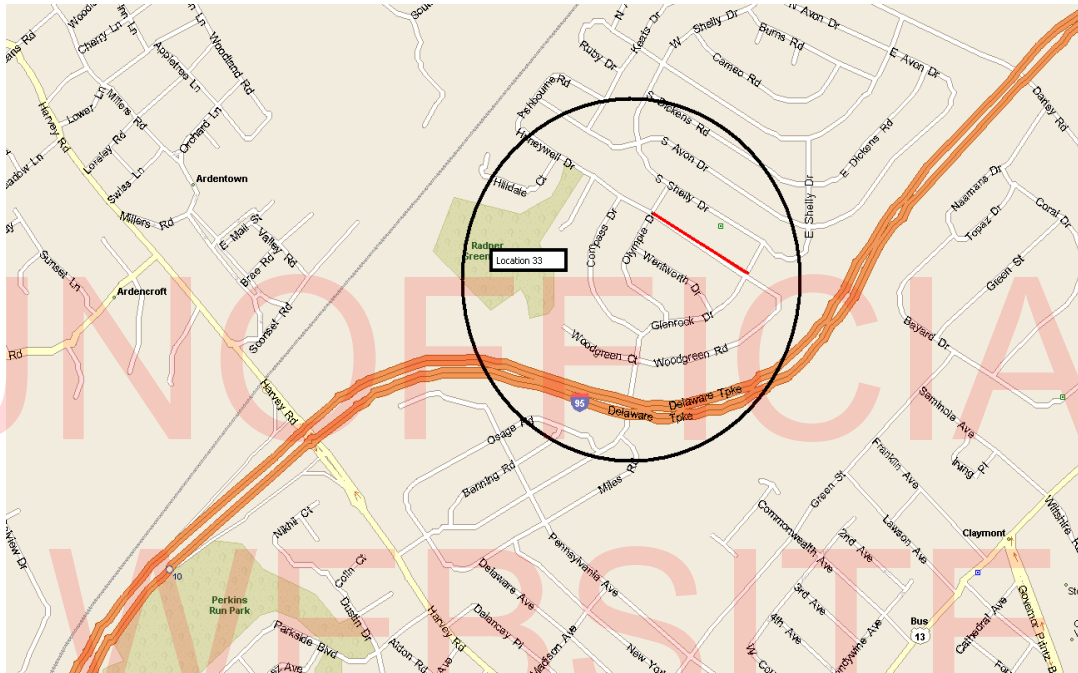
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 8 OF 74

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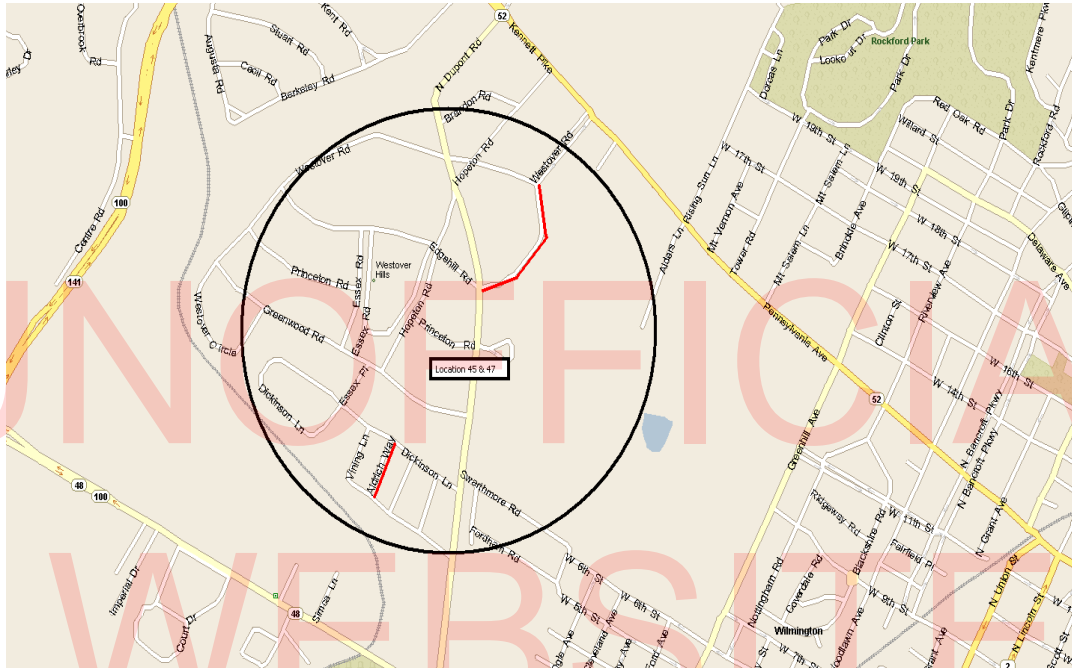
DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201803102

PAGE 9 OF 74

CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

LOCATION MAP



GENERAL CONTRACT PLAN NOTES

SECTION 100

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, DATED 2016 INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

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 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. LOCATION LISTINGS INDICATE GENERAL LIMITS OF CONSTRUCTION, MAJOR TYPES OF IMPROVEMENTS, AND ESTIMATED QUANTITIES. DURING THE BIDDING PERIOD, ANY QUESTIONS PERTAINING TO LOCATIONS SHALL BE DIRECTED TO THE CONTRACT ADMINISTRATOR. AFTER THE AWARD, SUCH QUESTIONS SHALL BE REFERRED TO THE APPROPRIATE DISTRICT ENGINEER OR HIS REPRESENTATIVE.

4. THIS CONTRACT WILL HAVE CLEAR "START BY" DATE AND TIME ALLOCATED FOR COMPLETION. FAILURE TO COMPLETE THE CONTRACT IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSUE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.08 OF THE STANDARD SPECIFICATIONS.

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

ADDITIONAL WORK:

5. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO INCREASE THE QUANTITIES OF THE ITEMS SPECIFIED IN THIS CONTRACT. SUCH ADDITIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES.

SECTION 400

6. 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 AN OVERLAY SHALL BE INCIDENTAL TO

GENERAL CONTRACT PLAN NOTES

SECTION 401(). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30100X. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

7. PAVING IS TO BE COMPLETED CURB TO CURB INCLUDING TURN LANES AND INTERSECTIONS WITHIN SEVEN (7) CALENDER DAYS OF PAVEMENT MILLING FOR A PARTICULAR DAYS PAVEMENT MILLING LOCATION. THIS RESTRICTION APPLIES TO EACH DAYS PAVEMENT MILLING OPERATION, NOT AN ENTIRE PROJECT LOCATION. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

8. IN ADDITION TO ITEM 401506 SPEED HUMP BEING UTILIZED FOR NEW SPEED HUMPS, IT SHALL ALSO INCLUDE REMOVE AND REPLACE SPEED HUMPS. AT REMOVE AND REPLACE LOCATIONS, 401506 SHALL BE PAID AND THE REMOVAL SHALL BE INCIDENTAL TO THIS ITEM.

9. ON THIS CONTRACT, PAVING WILL INCLUDE INTERSECTING STREETS FROM P.C. TO P.C.: MILLING AND PAVING OF INTERSECTING STREETS WILL NOT BE CONSIDERED FOR ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVEMENT SURCHARGE, NOR WILL DRIVEWAYS AND ENTRANCES WITHIN RIGHT-OF-WAY.

SECTION 500

10. ITEM 501001 PCC PAVEMENT, 8" IS DESIGNATED FOR NOW-DEFUNCT ITEM 701004 PCC VALLEY GUTTER-8". WHEN REPLACING VALLEY GUTTERS, PLEASE REFER TO CONTRACT PLAN DETAILS. DOWEL BARS, WIRE MESH REINFORCEMENT, BITUMINOUS SEAL, AND EXPANSION, PCC SAWCUTS, AND GABC UNDER THE PCC ARE INCIDENTAL TO VALLEY GUTTER ITEM (501001).

SECTION 600

11. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 SHALL BE REPLACED. THE ACTUAL LOCATIONS, THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/ FRAMES SHALL BE DELIVERED TO THE NEAREST DISTRICT MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO 602100/602101 REPLACING DRAINAGE INLETS GRATES/FRAMES. FINAL PAYMENT FOR REPLACED GRATES/ FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

SECTION 700

12. BUTT JOINTS SHALL BE CONSTRUCTED AT ALL INTERSECTING BITUMINOUS CONCRETE ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT RAILROAD CROSSINGS AND AT BRIDGE OR DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL. BUTT JOINTS CUT PRIOR TO THE DAY OF PAVEMENT OVERLAY SHALL

GENERAL CONTRACT PLAN NOTES

BE RAMPED WITH BITUMINOUS CONCRETE TRM INCIDENTAL TO THE ITEM 762004 BUTT JOINT. ONLY BITUMINOUS CONCRETE WILL BE ALLOWED FOR THIS PURPOSE. BUTT JOINTS IN FULL MILL AREAS SHALL BE INCIDENTAL TO THE PAVEMENT MILLING ITEM (760010). SAWCUTS FOR BUTT JOINTS SHALL BE INCIDENTAL TO THE BUTT JOINT ITEM. ALL BITUMINOUS CONCRETE TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATION.

13. MILLED MATERIAL, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

14. AFTER PAVEMENT MILLING, ALL RAISED EDGES OF MANHOLES, DRAINAGE INLETS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH BITUMINOUS CONCRETE TRM AT A 20:1 OR FLATTER SLOPE INCIDENTAL TO PAVEMENT MILLING. PAVEMENT MILLINGS OR COLD PATCH MATERIAL WILL NOT BE ALLOWED FOR THIS PURPOSE. ALL ADJUSTMENTS SHALL BE MADE NOT MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF BITUMINOUS CONCRETE, UNLESS DIRECTED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. ALL BITUMINOUS CONCRETE TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATIONS. IF THE CONTRACTOR ELECTS TO ADJUST MANHOLES, DRAINAGE INLETS AND WATER VALVES AFTER THE FINAL COURSE OF PAVING, THIS WORK MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF THE FINAL COURSE OF BITUMINOUS CONCRETE. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED

15. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURB EDGES, ETC., WHEN CLEANING AFTER A PAVEMENT MILLING OPERATION. CARE SHOULD BE TAKEN SO AS NOT TO GOUGE OR DIG DEEPER THAN THE REQUIRED DEPTH. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR PLACING LEVELING COURSES AT HIS OWN EXPENSE.

16. ON THIS CONTRACT FULL MILL AREAS WILL UTILIZE ITEM 760010 PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT (SY-IN). UNLESS OTHERWISE NOTED, ALL MILLING LOCATIONS ARE EXPECTED TO BE MILLED AT A 2" DEPTH. FOR AVERAGE MILLING DEPTHS OF 0.5" TO AN AVERAGE MILLING DEPTH OF 2.25", THE FULL MILL AREAS WILL BE PAID AT AN AVERAGE 2".

17. EXCAVATION FOR THE REPLACEMENT OF P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE PRICE BID FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE PROJECT. IN THE CASE OF NEW SIDEWALK EXCAVATION WILL BE PAID TO THE WIDTH OF THE NEW SIDEWALK UNDER ITEM 202000. ITEM 908001, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK WHEN SO DIRECTED BY THE ENGINEER. WHEN REPLACEMENT OF CURB AND GUTTER HAS BEEN COMPLETED AND THE FORMS REMOVED AT EACH LOCATION OF THIS CONTRACT, BACKFILLING SHALL BE DONE IMMEDIATELY. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF DRAINAGE INLETS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDER DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL.

GENERAL CONTRACT PLAN NOTES

18. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PARTIALLY SAW AND FILL WITH AN APPROVED SEALER EXISTING CRACKED CURB AND/OR SIDEWALK. THIS WORK WILL BE INCIDENTAL TO ITEM #762001 SAWCUT - CONCRETE FULL DEPTH.

19. PERTAINING TO PCC CURB REMOVAL & PATCHING, SAWCUTTING IS TO BE PERFORMED PRIOR TO THE REMOVAL OF BITUMINOUS CONCRETE UNLESS APPROVAL IS GIVEN BY THE ENGINEERS REPRESENTATIVE.

20. THE CONTRACTOR SHALL PROVIDE RESIDENTS WITH 24 HR. PRIOR WRITTEN NOTICE FOR ALL PHASES OF CONTRACT WORK INCLUDING BUT NOT LIMITED TO: SAWCUTTING FOR P.C.C. OPERATIONS, P.C.C. REMOVAL AND REPLACEMENT, PAVEMENT MILLING, AND PAVING. THIS NOTICE SHALL BE GIVEN TO ALL RESIDENTS WHOSE PROPERTY IS ADJACENT TO THE STREET ON WHICH WORK IS TO BE PERFORMED. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.

21. BEFORE THE START OF A DAY'S PAVEMENT MILLING OR PAVING OPERATIONS AND WHERE THERE IS EXISTING STRIPING, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PROOF THAT ENOUGH MATERIAL OF AN APPROVED ALTERNATIVE STRIPING METHOD IS ON HAND AT THE SITE TO ENSURE STRIPING IS COMPLETE BEFORE TRAFFIC IS RETURNED TO THE ROADWAY.

22. LANE CLOSURES ON NUMBERED MAINTENANCE ROADS ARE PERMITTED ONLY BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.

23. ITEM 710370 STEEL CASING PIPE-4" IS DESIGNATED FOR NOW-DEFUNCT ITEM 718000 ROOF DRAIN. WHEN REPLACING OR EXTENDING ROOF DRAINS, SUMP PUMP DRAINS, ETC. FROM RIGHT-OF-WAY TO CURBLINE, ITEM 710370 WILL BE UTILIZED REGARDLESS OF PIPE MATERIAL OR SIZE.

SECTION 800

24. AT EACH LOCATION, THE CONTRACTOR SHALL NOTE ALL EXISTING PAVEMENT MARKINGS AND SUBMIT A DRAWING WHICH DEPICTS THE STRIPING PATTERN TO THE DEPARTMENT PRIOR TO THE START OF ANY WORK AT THE LOCATION.

THE CONTRACTOR WILL BE RESPONSIBLE TO CORRECT ANY ERRONEOUS MARKINGS IMMEDIATELY. FAILURE TO COMPLY WILL RESULT IN SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS AND SHALL BE PLACED WITHIN FIVE (5) CALENDER DAYS (MAXIMUM) AFTER PLACEMENT OF THE FINAL COURSE OF BITUMINOUS CONCRETE. IF THE CONTRACTOR FAILS TO DOCUMENT THE EXISTING PAVEMENT MARKINGS IN AN ACCEPTABLE MANNER, HE SHALL BE REQUIRED TO PROVIDE AT HIS OWN EXPENSE, A NEW PAVEMENT MARKING PLAN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE.

AT THE END OF EACH DAY'S OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED

GENERAL CONTRACT PLAN NOTES

ROADWAY USE, TEMPORARY MARKINGS SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT MARKING.

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.

PLACEMENT OF TEMPORARY MARKINGS SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER. PAYMENT FOR TEMPORARY PAVEMENT MARKING SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 817003 - TEMPORARY MARKINGS.

25. THE CONTRACTOR, WITH THE ENGINEER, SHALL INVENTORY ALL SIGNS ON ALL ROADS SUBJECT TO IMPROVEMENTS. NECESSARY SIGNS SHALL BE MAINTAINED IN OPERATION DURING CONSTRUCTION AND ANY OTHER SIGNS SHALL BE PROPERLY STORED WITH THE CONTRACTOR, WHO SHALL BE RESPONSIBLE FOR LOSS OR DAMAGE. IMMEDIATELY PRIOR TO FINAL INSPECTION, THE CONTRACTOR AND ENGINEER SHALL AGAIN INVENTORY THE TRAFFIC SIGNS AND ACCOUNT FOR ANY LOST OR DAMAGED SIGNS. LOST OR DAMAGED SIGNS, AT THE DISCRETION OF THE ENGINEER SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

26. BEFORE WORK IS DONE AT ANY LOCATION, THE APPROPRIATE DISTRICT SAFETY OFFICER MUST APPROVE THE MOT FOR THAT LOCATION TWO WEEKS IN ADVANCE. ANY ANTICIPATED IMPACT TO TRAFFIC SIGNALS MUST BE REVIEWED BY THE DELDOT TRAFFIC SECTION PRIOR TO CONSTRUCTION. THEY CAN BE CONTACTED AT 302-659-2400.

27. ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING. NO OTHER REMOVAL METHODS WILL BE ALLOWED.

28. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING PEDESTRIAN AND BICYCLE FACILITIES, AS WELL AS THE NECESSARY NCHRP 350 OR THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) CERTIFICATIONS FOR ALL DEVICES THAT WILL BE UTILIZED, FOR EACH LOCATION BEFORE THE START OF THE PRE-CONSTRUCTION MEETING. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION.

29. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH THE NCHRP 350 OR THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). THE DEVICES SHALL BE APPROVED BY THE SAFETY SECTION PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

30. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL REASONABLY PROVIDE THE LEAST PRACTICABLE OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN AND

GENERAL CONTRACT PLAN NOTES

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.

31. PEDESTRIAN MAINTENANCE OF TRAFFIC: THIS WORK SHALL CONSIST OF PROVIDING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE THROUGHOUT THE PROJECT'S LIMITS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130. THE CONTRACTOR SHALL BE REQUIRED TO REVIEW EACH CURB RAMP LOCATION AND SUBMIT THE APPROPRIATE MAINTENANCE OF TRAFFIC DETAIL AND DEVICES TO THE ENGINEER FOR EACH LOCATION AT LEAST 2-WEEKS BEFORE CONSTRUCTION FOR REVIEW, COMMENT, AND APPROVAL. THE FOLLOWING CONSIDERATIONS SHALL BE TAKEN INTO ACCOUNT WHEN ADDRESSING ACCESSIBLE PEDESTRIAN MAINTENANCE OF TRAFFIC:

- ALL PEDESTRIANS, INCLUDING PERSONS WITH DISABILITIES, SHALL BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS MUCH AS PRACTICABLE THE EXISTING PEDESTRIAN FACILITIES.
- MAINTAIN ACCESS TO ALL BUSINESS AND RESIDENTS AT ALL TIMES.
- PROVIDE PEDESTRIAN ACCESS THRU OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.
- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.

32. 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.

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- PROVIDE PEDESTRIAN ACCESS THRU OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.
- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.

GENERAL CONTRACT PLAN NOTES

SECTION 900

34. EROSION CONTROL MULCH BLANKET SHALL BE USED IN ALL DISTURBED AREAS UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

CTF/OPEN END SPECIFIC PROJECT NOTES

35. NO UTILITY RELOCATION INVOLVEMENT IS ANTICIPATED. SHOULD ANY CONFLICTS BE ENCOUNTERED DURING CONSTRUCTION REQUIRING ADJUSTMENT AND/OR RELOCATION OF THE AGENCIES' EXISTING FACILITIES, THE NECESSARY RELOCATION WORK SHALL BE ACCOMPLISHED BY THE RESPECTIVE AGENCIES' FORCES, AS DIRECTED BY THE DISTRICT ENGINEER. ANY ADJUSTMENTS AND/OR RELOCATIONS OF MUNICIPALLY OWNED FACILITIES SHALL BE DONE BY THE STATE'S CONTRACTOR IN ACCORDANCE WITH THE RESPECTIVE AGENCIES' STANDARD SPECIFICATIONS AS DIRECTED BY THE DISTRICT ENGINEER.

36. NO ENVIRONMENTAL PERMITS ARE REQUIRED FOR THIS WORK PROVIDED NO JURISDICTIONAL WETLANDS OR WATERS ARE IMPACTED. IF THERE IS ANY QUESTION AS TO WHETHER OR NOT A WATER OR WETLAND IS JURISDICTIONAL, CONTACT THE DEL DOT ENVIRONMENTAL SECTION AT 302-760-2264.

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

38. NO WORK NEAR OR WITHIN RAILROAD RIGHT-OF-WAY IS ANTICIPATED. IF ANY RAILROAD PROPERTY OR FACILITIES ARE NEAR OR WITHIN THE PROPOSED LIMITS OF WORK OR IF THE PROPOSED WORK ENCROACHES UPON THE RAILROAD'S RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED CLEARANCES AND INSURANCES FOR EACH INVOLVED RAILROAD IN ACCORDANCE WITH THE APPROPRIATE DELDOT MAINTENANCE OF RAILROAD TRAFFIC ITEM. DELDOT'S RAILROAD SECTION MANAGER MUST BE CONTACTED AT (302) 760-2183 TO COORDINATE THE EXECUTION OF THE APPROPRIATE AGREEMENTS AND AUTHORIZATIONS REQUIRED FROM ANY RAILROAD COMPANY INVOLVED, INCLUDING COORDINATION FOR RAILROAD FLAGGING, IF NECESSARY.

39. THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WITH THE TRAFFIC SECTION RELATING TO ANY IMPACTS TO TRAFFIC SECTION FACILITIES (INCLUDING BUT NOT LIMITED TO TRAFFIC LOOPS, JUNCTION WELLS ETC.) AT LEAST 4 WEEKS IN ADVANCE OF THE START OF THE ACTIVITY. PRIOR TO INITIATING ANY WORK ON THIS CONTRACT (OR SITES), THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FOR APPROVAL OF THE SAFETY SECTION, A MAINTENANCE OF TRAFFIC PLAN. SUFFICIENT TIME SHALL BE PROVIDED FOR THE REVIEW AND APPROVAL OF THE PLAN. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE PROPOSED TIME RESTRICTIONS ON THE CLOSURE OF TRAVEL LANES SUBJECT TO THE APPROVAL OF THE

GENERAL CONTRACT PLAN NOTES

SAFETY SECTION.

40. THE PROJECT MANAGER IS RESPONSIBLE FOR ENSURING ANY REQUIRED DOCUMENTS AND ANALYSIS AS PART OF THE ADOPTED WORK ZONE SAFETY AND MOBILITY PROCEDURES AND GUIDELINES HAS BEEN COMPLETED PRIOR TO ANY WORK STARTING ON THIS CONTRACT.

41. THE DEPARTMENT RESERVES THE RIGHT TO REQUEST AN EXTENSION OF THIS CONTRACT, WITH THE AGREEMENT OF THE CONTRACTOR, AT THE CURRENT CONTRACT PRICES.

42. THE WORK WILL BE SCHEDULED VIA JOB ORDERS FROM THE DISTRICT. WORK SITES WILL VARY IN SIZE. THE JOB ORDERS WILL INDICATE THE WORK TO BE PERFORMED AT EACH LOCATION.

43. THIS CONTRACT IS NOT SUBJECT TO DEPARTMENT OF LABOR'S PREVAILING WAGE RATES PER THE DELAWARE CODE, 29 Del. C. § 6960(m).

44. WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE GENERATED THROUGH JOB ORDERS ISSUED TO THE CONTRACTOR BY THE DEPARTMENT'S PROJECT MANAGER. JOB ORDERS WILL BE ASSEMBLED TO ALLOW THE MOST EFFICIENT ALLOCATION OF THE CONTRACTOR'S WORK FORCE AS THE SITUATION ALLOWS.

EACH JOB ORDER ISSUED WILL HAVE CLEAR "START BY" DATE AND TIME ALLOCATED TO COMPLETE SAID JOB ORDER. FAILURE TO COMPLETE A JOB ORDER IN THE SPECIFIED TIME SHALL CONSTITUTE "FAILURE TO PURSE THE WORK" AND SUBJECTS THE CONTRACTOR TO LIQUIDATED DAMAGES AS OUTLINED IN SUBSECTION 108.08 OF THE STANDARD SPECIFICATIONS.

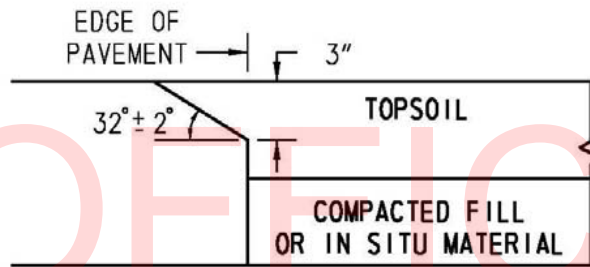
EACH JOB ORDER IS TO BE COMPLETED WITHIN THE SPECIFIED TIME. ADDITIONAL ITEMS AND/OR WORKING DAYS MAY BE ADDED TO ANY JOB ORDER AS NEEDED AT THE DISCRETION OF THE ENGINEER. IF THE WORK ON A SPECIFIED JOB ORDER IS NOT COMPLETED WITHIN THE ALLOCATED TIME, LIQUIDATED DAMAGES WILL BE ASSESSED IN ACCORDANCE WITH SUBSECTION 108.09 OF THE STANDARD SPECIFICATIONS BASED ON THE TOTAL VALUE OF THAT PARTICULAR JOB ORDER.

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

January 2018

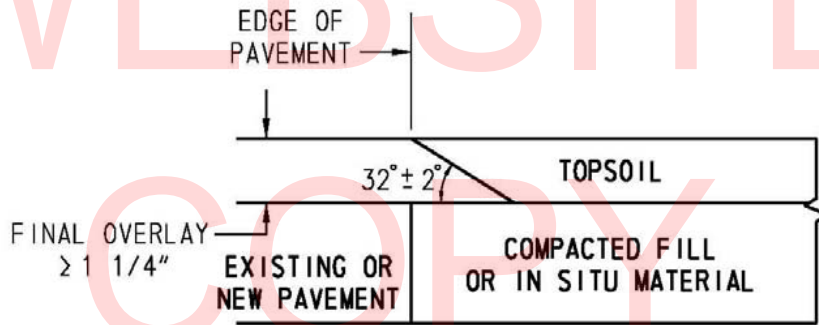
CANAL CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET



CONCRETE PAVEMENTS

N. T. S.



BITUMINOUS CONCRETE PAVEMENTS AND OVERLAYS

N. T. S.

SAFETY EDGE DETAIL

DELAWARE DEPARTMENT OF TRANSPORTATION

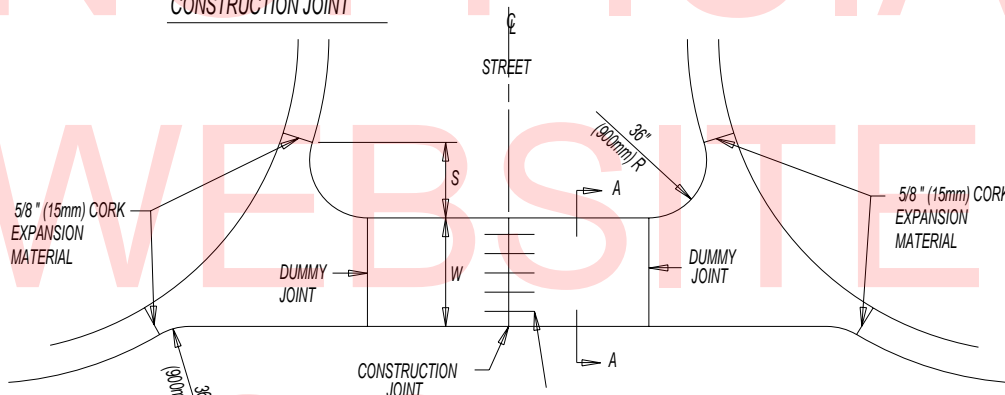
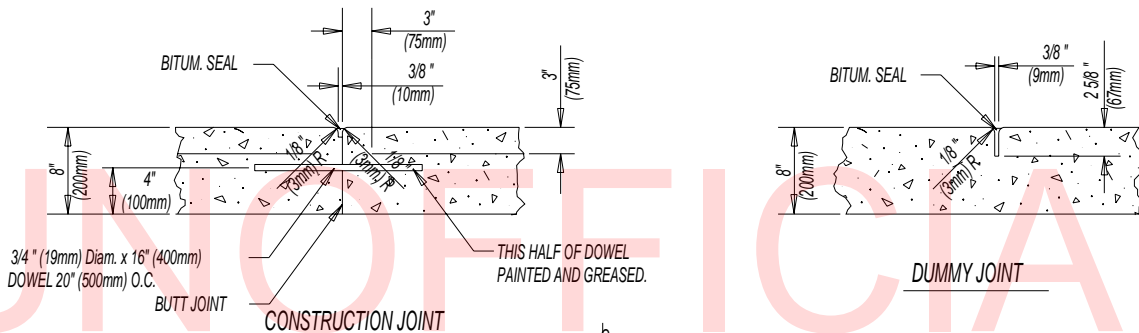
CONTRACT NUMBER- T201803102

PAGE 19 OF 74

CANAL

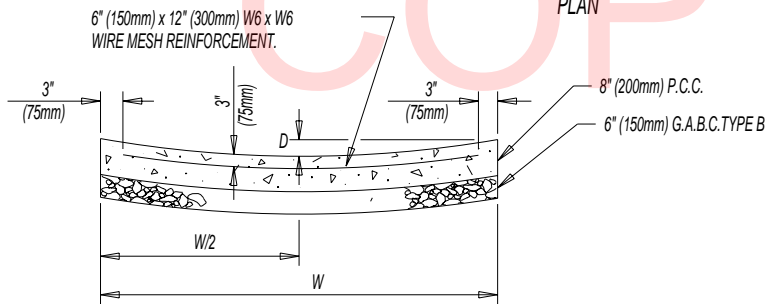
CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET



5 - 3/4" (19mm) Diam. x 16" (400mm) DOWELS; FOR 8' (2.4m) WIDE VALLEY GUTTER.
 2 - 3/4" (19mm) Diam. x 16" (400mm) DOWELS; FOR 4' (1.2m) WIDE VALLEY GUTTER.

PLAN



SECTION A-A

P.C.C. VALLEY GUTTER

WIDTH W	DEPTH D	OFFSET S
8' (2.4m)	3" (75mm)	16" (405mm)
4' (1.2m)	1 1/2" (38mm)	23 1/2" (585mm)

DELAWARE DEPARTMENT OF TRANSPORTATION

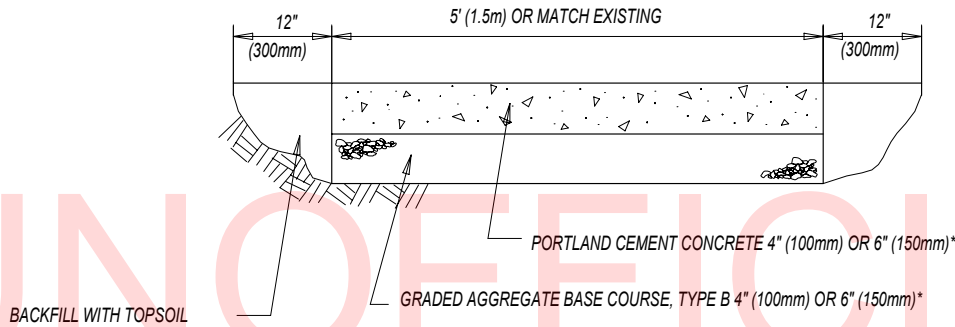
CONTRACT NUMBER- T201803102

PAGE 20 OF 74

CANAL

CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET



P.C.C. SIDEWALK

N.T.S.

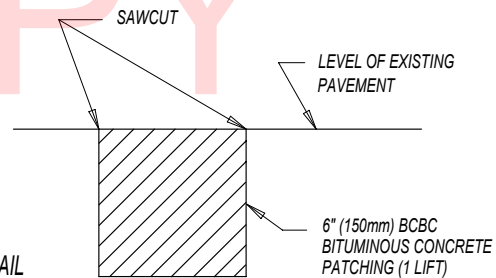
* NOTE: 6" (150mm) CONCRETE OVER 6" (150mm) GRADED AGGREGATE TO BE USED FOR DRIVEWAY PLACEMENT

NOTE: ALL EDGES TO BE SAWCUT. CUTTING BY USE OF AIR HAMMERS MAY BE SUBSTITUTED FOR SAWCUTTING IF THE AREA IS TO BE OVERLAID UNDER THE SAME CONTRACT. THERE WILL BE NO PAYMENT FOR AIR HAMMERS.

THIS DETAIL SHALL BE USED FOR ALL BITUMINOUS CONCRETE PATCHES UNLESS OTHERWISE SHOWN ON THE PLANS.

IN AREAS WHERE NO BITUMINOUS CONCRETE OVERLAY IS PROPOSED, PLACE 2" (50mm) BITUMINOUS CONCRETE TYPE C PATCHING OVER 6" (150mm) BCBC BITUMINOUS CONCRETE PATCHING.

FOR BITUMINOUS CONCRETE PATCHING, PARTIAL DEPTH, REMOVE EXISTING BITUMINOUS CONCRETE TO DEPTH OF EXISTING AGGREGATE BASE. REPLACE WITH BITUMINOUS CONCRETE TYPE C PATCHING.



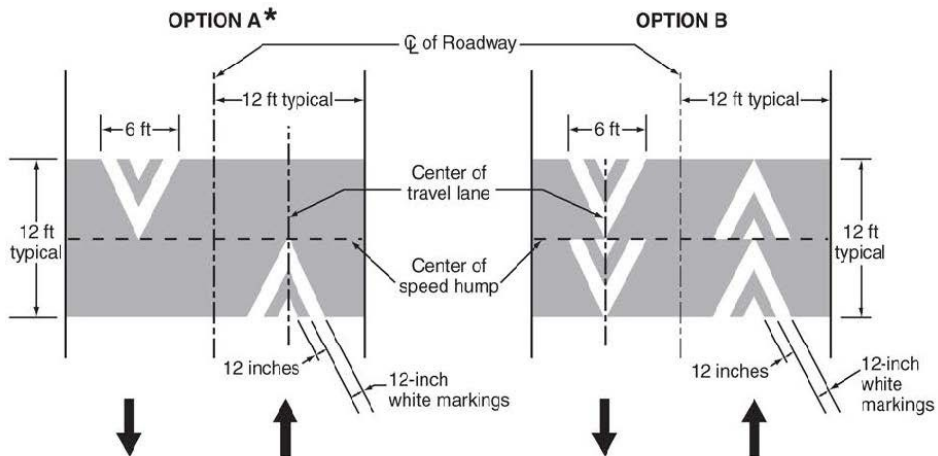
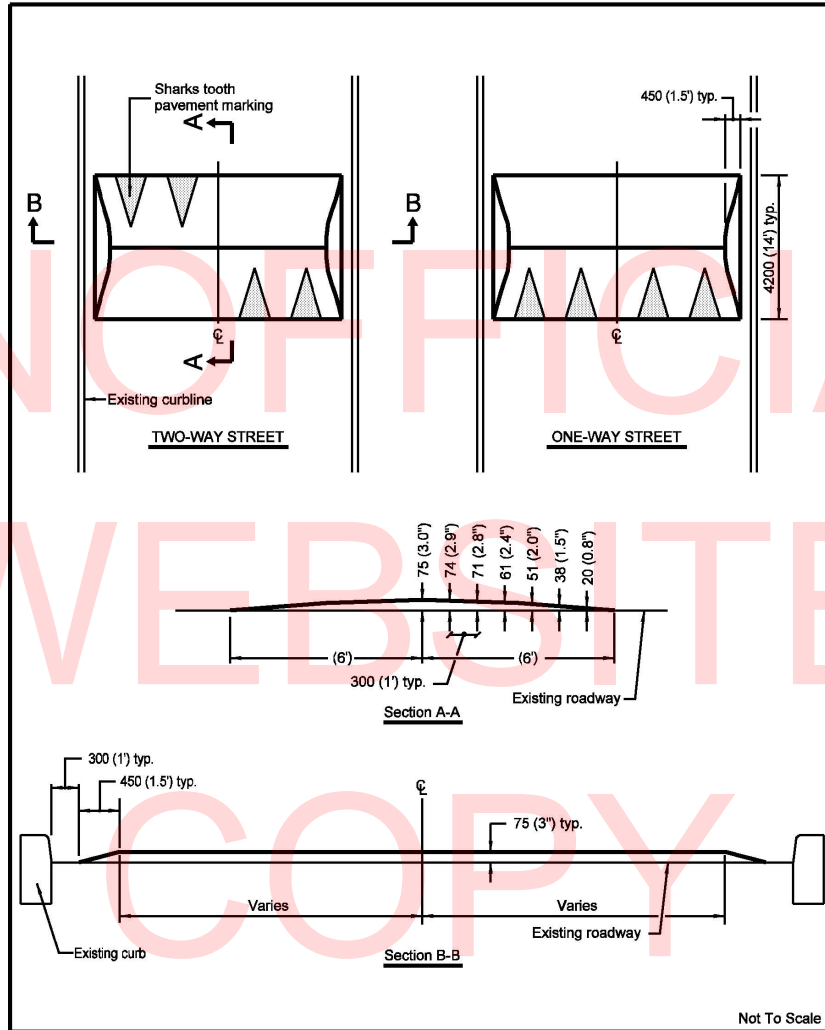
BITUMINOUS CONCRETE PATCH DETAIL

N.T.S.

CANAL

CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

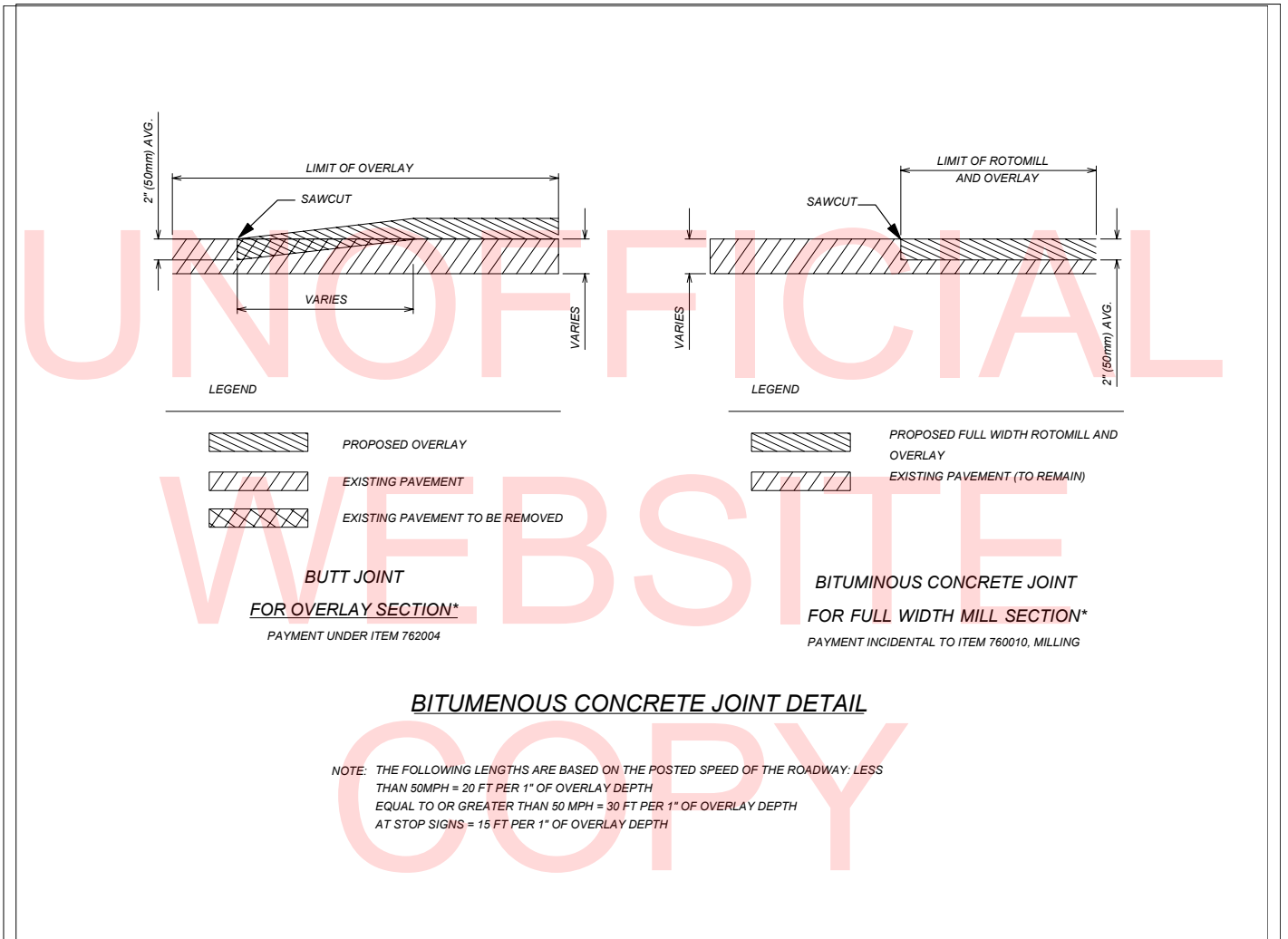
DETAILS SHEET



CANAL

CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET

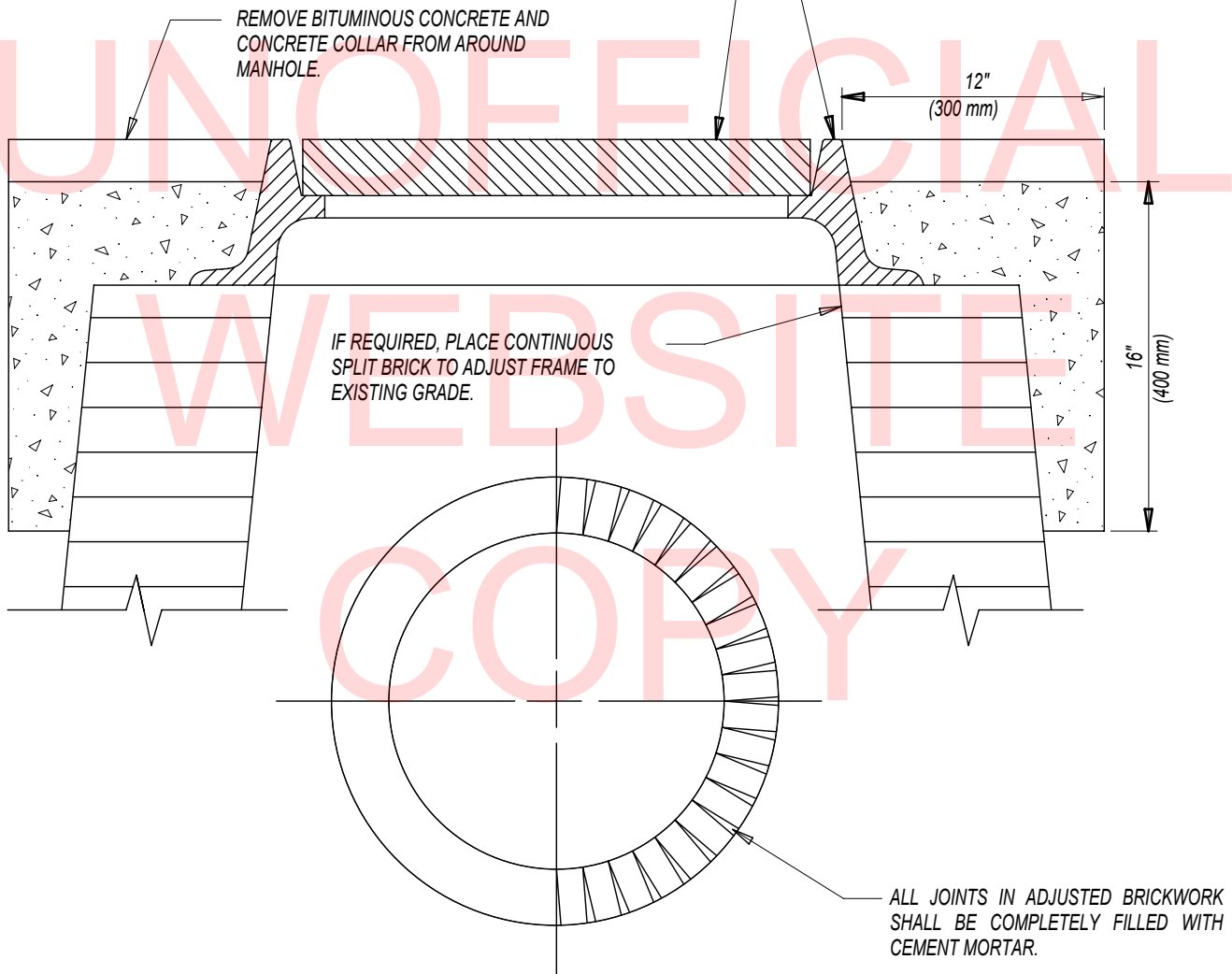


CANAL

CONTRACT HAS FIXED LOCATIONS THROUGHOUT NEW CASTLE COUNTY.

DETAILS SHEET

REMOVE AND DISPOSE OF EXISTING FRAME AND COVER AS DIRECTED BY OWNER IF NOT UTILIZED IN THE ADJUSTMENT.
PLACE NEW OR EXISTING FRAME AND COVER (AS REQUIRED).
TO CORRECT ELEVATION, RECOLLAR AND PLACE BITUMINOUS CONCRETE PATCH. NEW FRAME AND COVER (IF REQUIRED) TO BE PROVIDED BY OWNER.



ADJUSTING AND REPAIRING MANHOLE

N.T.S.

NOTE: MANHOLES IN CONCRETE ROADWAYS SHALL BE SAWCUT FULL DEPTH TO THE SPECIFIED DIMENSION PRIOR TO ANY ADJUSTMENT BEING MADE. THE SAWCUTTING SHALL BE INCIDENTAL TO ITEM 602132.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 24 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 1 ALBAN PARK - HOMESTEAD ROAD FROM BONWOOD ROAD TO STUB ROAD @ HOUSE #573

LENGTH 263.6520 m 865.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE FOR 500 BLOCK OF HOMESTEAD - INCLUDED INTERSECTION W/ BONWOOD - 2 RAMPS @ BONWOOD

MATERIAL ESTIMATE FOR LOCATION 1

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	107.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	27.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	400.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	35.00	TON
402000	BITUMINOUS CONCRETE PATCHING	525.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	251.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	9.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	350.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	88.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	175.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	6,400.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	525.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	26.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	192.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	19.00	HOURL
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	4.00	EACH
908001	TOPSOIL	20.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	60.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	120.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 25 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 2 AUTUMNWOOD - FALLVIEW CIRCLE FROM AUTUMNWOOD DRIVE TO CUL-
DE-SAC

LENGTH 60.9600 m 200.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 2

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	95.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	12.00	TON
402000	BITUMINOUS CONCRETE PATCHING	164.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	24.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,520.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	70.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	64.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	6.00	HOUR

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 26 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 3 **AUTUMNWOOD - MAPLEWOOD CIRCLE FROM OAKKNOLL CIRCLE TO CUL-DE-SAC**

LENGTH 67.0560 m 220.0000 L.F.

GENERAL IMPROVEMENTS
2" MILL AND OVERLAY

COMMENTS:

UNOFFICIAL

MATERIAL ESTIMATE FOR LOCATION 3

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	115.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	9.00	TON
402000	BITUMINOUS CONCRETE PATCHING	144.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	24.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,840.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	64.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	64.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	6.00	HOUR

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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 27 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 4 BROOKMEADE (3) - WAXWING CT. FROM SKYLARK ROAD TO CUL-DE-SAC

LENGTH 71.6280 m 235.0000 L.F.

GENERAL IMPROVEMENTS

3" MILL AND 2" OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ SKYLARK

MATERIAL ESTIMATE FOR LOCATION 4

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	79.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	20.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	110.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	26.00	TON
402000	BITUMINOUS CONCRETE PATCHING	390.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	50.00	L.F.
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	1.00	EACH
701018	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-8	260.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	65.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	130.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,640.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	390.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	112.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	11.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	14.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	42.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	84.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 28 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 5 CLELAND HEIGHTS - MC GOVERN PLACE FROM EAST NEWPORT PIKE TO CLAYTON ROAD

LENGTH 216.4080 m 710.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ CLAYTON; 6 RAMPS @ SAULSBURY

MATERIAL ESTIMATE FOR LOCATION 5

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	172.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	15.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	48.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	220.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	48.00	TON
402000	BITUMINOUS CONCRETE PATCHING	803.00	SY-IN
501001	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	50.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	136.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	400.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	100.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	200.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	80.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,600.00	S.F.
710002	ADJUST WATER VALVE BOXES	4.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,520.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	760.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	30.00	L.F.
802003	ARROW PANELS TYPE C	5.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	5.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	224.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	22.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	33.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	60.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	60.00	L.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 29 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 5 CLELAND HEIGHTS - MC GOVERN PLACE FROM EAST NEWPORT PIKE TO
CLAYTON ROAD

LENGTH 216.4080 m 710.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ CLAYTON; 6 RAMPS @ SAULSBURY

MATERIAL ESTIMATE FOR LOCATION 5

846001	FURNISH AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	115.00	L.F.
908001	TOPSOIL	35.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	105.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	210.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 30 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 6 COLONIAL HEIGHTS - GRAY AVENUE FROM LANCASTER AVENUE @ CHANGE IN HOTMIX TO ELSEMERE CITY LIMITS @ DRIVEWAY OF HOUSE #307 GRAY

LENGTH 582.1680 m 1910.0000 L.F.

GENERAL IMPROVEMENTS
2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

UNOFFICIAL

MATERIAL ESTIMATE FOR LOCATION 6

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	296.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	74.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	585.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	97.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,455.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	313.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	8.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	4.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	9.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	970.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	242.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	484.00	S.F.
710002	ADJUST WATER VALVE BOXES	7.00	EACH
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	9,360.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,455.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	73.00	L.F.
802003	ARROW PANELS TYPE C	3.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	3.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	400.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	40.00	HOUR
908001	TOPSOIL	40.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	120.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	240.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 31 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 7 COLONIAL HEIGHTS - NORTON AVENUE FROM COLONIAL AVENUE TO CLEVELAND AVENUE

LENGTH 239.2680 m 785.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 7

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	76.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	19.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	240.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	25.00	TON
402000	BITUMINOUS CONCRETE PATCHING	375.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	121.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	5.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	280.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	70.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	140.00	S.F.
710002	ADJUST WATER VALVE BOXES	4.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,840.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	375.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	144.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	14.00	HOURL
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	10.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	30.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	60.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 32 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 8 COLONIAL HEIGHTS - TAFT AVENUE FROM CHANGE IN HOTMIX @ GRAY AVE TO MARSHALL AVENUE

LENGTH 185.9280 m 610.0000 L.F.

GENERAL IMPROVEMENTS

CURB AND GUTTER REPAIRS, 2" MILL AND OVERLAY

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 8

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	76.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	19.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	225.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	25.00	TON
402000	BITUMINOUS CONCRETE PATCHING	375.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	73.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	4.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	4.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	250.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	63.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	125.00	S.F.
710002	ADJUST WATER VALVE BOXES	10.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	375.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	112.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	11.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	10.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	30.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	60.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 33 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 9 COTSWOLD HILLS - BRISTOL LANE FROM CORNER KETCH ROAD TO CABOT PLACE

LENGTH 82.2960 m 270.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ CABOT

MATERIAL ESTIMATE FOR LOCATION 9

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	175.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	6.00	TON
402000	BITUMINOUS CONCRETE PATCHING	96.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	24.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,800.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	64.00	L.F.
802003	ARROW PANELS TYPE C	2.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	48.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	5.00	HOUR

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 34 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 10 DEACONS WALK - HARKNESS COURT FROM VANSANT ROAD TO CUL-DE-SAC

LENGTH 121.9200 m 400.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ VANSANT

MATERIAL ESTIMATE FOR LOCATION 10

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	37.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	9.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	155.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	12.00	TON
402000	BITUMINOUS CONCRETE PATCHING	180.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	84.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	120.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	30.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	60.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,480.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	180.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	9.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	96.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	10.00	HOURLY
908001	TOPSOIL	9.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	27.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	54.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 35 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 11 DEACONS WALK - VANSANT ROAD FROM WARE ROAD TO CUL-DE-SAC

LENGTH 263.6520 m 865.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 11

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	98.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	24.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	340.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	32.00	TON
402000	BITUMINOUS CONCRETE PATCHING	480.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	152.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	320.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	80.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	160.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,440.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	480.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	24.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	160.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	16.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	13.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	39.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	78.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 36 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 12 DEERHURST - JACKSON BOULEVARD FROM MURPHY ROAD TO BEDFORD ROAD

LENGTH 396.2400 m 1300.0000 L.F.

GENERAL IMPROVEMENTS

3" MILL AND 2" OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 12

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	183.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	46.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	410.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	60.00	TON
402000	BITUMINOUS CONCRETE PATCHING	900.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	204.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	6.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	600.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	150.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	300.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	10.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	200.00	S.F.
710002	ADJUST WATER VALVE BOXES	2.00	EACH
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	9,780.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	900.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	45.00	L.F.
802003	ARROW PANELS TYPE C	4.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	4.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	288.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	29.00	HOUR
908001	TOPSOIL	25.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	75.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	150.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 37 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 13 DELAPLANE MANOR - NORTH PLACE FROM CAPITAL PLACE TO DEL ROSE COURT

LENGTH 60.9600 m 200.0000 L.F.

GENERAL IMPROVEMENTS

CURB AND GUTTER REPAIRS, 2" MILL AND OVERLAY

COMMENTS:

UNOFFICIAL

MATERIAL ESTIMATE FOR LOCATION 13

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	75.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	6.00	TON
402000	BITUMINOUS CONCRETE PATCHING	96.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	48.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,200.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	64.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	32.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	3.00	HOUR

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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 38 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 14 **DELAPLANE MANOR - WAYCROSS ROAD FROM DELAPLANE AVENUE TO RIDGE AVENUE**

LENGTH 100.5840 m 330.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ RIDGE

MATERIAL ESTIMATE FOR LOCATION 14

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	90.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	6.00	TON
402000	BITUMINOUS CONCRETE PATCHING	96.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	48.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,440.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	64.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	32.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	3.00	HOUR

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 39 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 15 DRUMMOND HILL NORTH - CLEMSON COURT FROM WARE ROAD TO CUL-DE-SAC

LENGTH 167.6400 m 550.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ WARE

MATERIAL ESTIMATE FOR LOCATION 15

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	70.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	18.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	210.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	23.00	TON
402000	BITUMINOUS CONCRETE PATCHING	345.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	143.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	230.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	57.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	114.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
710370	STEEL CASING PIPE, 4"	20.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,360.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	345.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	18.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	144.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	14.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	14.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	42.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	84.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 40 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 16 DRUMMOND HILL NORTH - DENNISON STREET FROM SHELDON DRIVE TO WARE ROAD

LENGTH 320.0400 m 1050.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ SHELDON; 4 RAMPS @ EMBRY; 2 RAMPS @ WARE

MATERIAL ESTIMATE FOR LOCATION 16

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	138.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	34.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	320.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	45.00	TON
402000	BITUMINOUS CONCRETE PATCHING	675.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	165.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	5.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	5.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	450.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	112.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	224.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	80.00	S.F.
705008	CURB RAMP, TYPE 1	1,600.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,120.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	675.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	35.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	288.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	29.00	HOURLY
908001	TOPSOIL	35.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	105.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	210.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 41 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 17 FAIRFAX - SANDRA ROAD / BROOKLINE ROAD FROM FAIRFAX BOULEVARD TO BROOKLINE ROAD TO FAIRFAX BOULEVARD

LENGTH 291.0840 m 955.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES BROOKLINE ROAD AND SECTION OF SANDRA ROAD (SEE MAP) - 2 RAMPS @ FAIRFAX; 2 RAMPS @ BROOKLINE; 2 RAMPS @ FAIRFAX

MATERIAL ESTIMATE FOR LOCATION 17

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	188.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	15.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	52.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	295.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	53.00	TON
402000	BITUMINOUS CONCRETE PATCHING	878.00	SY-IN
501001	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	50.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	93.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	450.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	112.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	224.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	60.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,200.00	S.F.
710370	STEEL CASING PIPE, 4"	30.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	4,720.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	835.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	35.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	272.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	27.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	33.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	99.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	198.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 42 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 18 FAIRFAX - WELLINGTON ROAD FROM THOMAS ROAD TO BYBROOK ROAD

LENGTH 455.6760 m 1495.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ THOMAS

MATERIAL ESTIMATE FOR LOCATION 18

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	208.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	52.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	540.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	68.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,020.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	188.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	680.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	170.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	340.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
710002	ADJUST WATER VALVE BOXES	4.00	EACH
710370	STEEL CASING PIPE, 4"	80.00	L.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	8,640.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,020.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	51.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	256.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	26.00	HOUR
908001	TOPSOIL	30.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	90.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	180.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 43 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 19

GORDON HEIGHTS - LORE AVENUE FROM CHANGE IN HOTMIX @ RIVER
ROAD TO CHANGE IN HOTMIX @ GOVERNOR PRINTZ BLVD

LENGTH 521.2080 m 1710.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 19

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	510.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	15.00	TON
401506	SPEED HUMP	60.00	L.F.
402000	BITUMINOUS CONCRETE PATCHING	240.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	120.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	5.00	EACH
710002	ADJUST WATER VALVE BOXES	8.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	8,160.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	100.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	14.00	L.F.
802003	ARROW PANELS TYPE C	6.00	EA-DY

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 44 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 20 GORDON HEIGHTS - WOODCROFT AVENUE FROM LORE AVENUE TO END

LENGTH 246.8880 m 810.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

INSTALL NEW CURB FROM DRIVEWAYS NEAR HOUSE #305 TO HAINES (BOTH SIDES)

MATERIAL ESTIMATE FOR LOCATION 20

202000	EXCAVATION AND EMBANKMENT	12.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	93.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	15.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	28.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	270.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	22.00	TON
402000	BITUMINOUS CONCRETE PATCHING	413.00	SY-IN
501001	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	50.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	62.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	140.00	L.F.
701023	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	140.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	35.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	70.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	4,320.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	370.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	12.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	128.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	13.00	HOUR
908001	TOPSOIL	10.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	30.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	60.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 45 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 21 GWINHURST - HARRISON AVE. FROM CLAYTON AVE. TO DELAWARE AVE.

LENGTH 92.9640 m 305.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB AND GUTTER REPAIRS WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 21

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	9.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	2.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	95.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	3.00	TON
402000	BITUMINOUS CONCRETE PATCHING	45.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	3.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	30.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	7.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	14.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,520.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	45.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	3.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	32.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	3.00	HOUR
908001	TOPSOIL	2.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	6.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	12.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 46 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 22 GWINHURST - HARRISON AVE. FROM ODESSA AVE. TO CLAYTON AVE.

LENGTH 73.1520 m 240.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB AND GUTTER REPAIRS WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ CLAYTON

MATERIAL ESTIMATE FOR LOCATION 22

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	9.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	2.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	95.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	3.00	TON
402000	BITUMINOUS CONCRETE PATCHING	45.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	27.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	30.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	7.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	14.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,520.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	45.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	3.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	48.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	5.00	HOUR
908001	TOPSOIL	2.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	6.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	12.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 47 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 23 GWINHURST - HARRISON AVE. FROM W HOLLY OAK RD. TO WYOMING AVE.

LENGTH 76.2000 m 250.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB AND GUTTER REPAIRS WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ WYOMING

MATERIAL ESTIMATE FOR LOCATION 23

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	9.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	2.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	95.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	3.00	TON
402000	BITUMINOUS CONCRETE PATCHING	45.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	51.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	30.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	7.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	14.00	S.F.
710002	ADJUST WATER VALVE BOXES	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,520.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	45.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	3.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	48.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	5.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	2.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	6.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	12.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 48 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 24 GWINHURST - HARRISON AVENUE FROM CHANGE IN HOTMIX @ MILFORD AVENUE TO TOWNSEND AVENUE

LENGTH 60.9600 m 200.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 24

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	31.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	8.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	75.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	10.00	TON
402000	BITUMINOUS CONCRETE PATCHING	150.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	34.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	150.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	37.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	74.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,200.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	150.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	8.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	80.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	8.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	10.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	30.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	60.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 49 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 25 HIGHLANDS THE - PICKERING ROAD FROM RIDING DRIVE EAST TO RIDING DRIVE SOUTH

LENGTH 233.1720 m 765.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ E RIDING; 2 RAMPS @ S RIDING

MATERIAL ESTIMATE FOR LOCATION 25

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	55.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	14.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	235.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	18.00	TON
402000	BITUMINOUS CONCRETE PATCHING	270.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	90.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	180.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	45.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	90.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	40.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	800.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,760.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	270.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	14.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	128.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	13.00	HOURL
908001	TOPSOIL	15.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	45.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	90.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 50 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 26 **LIMESTONE HILLS (WEST) - FAIRHILL DRIVE FROM CHANGE IN HOTMIX @ HOUSE #115 FAIRHILL DRIVE TO HOUSE #136 FAIRHILL DRIVE**

LENGTH 274.3200 m 900.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 26

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	141.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	35.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	400.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	46.00	TON
402000	BITUMINOUS CONCRETE PATCHING	690.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	142.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	460.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	115.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	230.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	6,400.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	690.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	35.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	192.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	19.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	18.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	54.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	108.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 51 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 27 MC DANIEL CREST - WINDLEY ROAD FROM SHIPLEY ROAD @ CHANGE IN HOTMIX TO SHELLPOT DRIVE

LENGTH 396.2400 m 1300.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ NAVARO, 4 RAMPS @ LARGO

MATERIAL ESTIMATE FOR LOCATION 27

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	86.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	420.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	28.00	TON
401506	SPEED HUMP	66.00	L.F.
402000	BITUMINOUS CONCRETE PATCHING	420.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	28.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	280.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	70.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	140.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	80.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,600.00	S.F.
710002	ADJUST WATER VALVE BOXES	6.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	6,720.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	420.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	21.00	L.F.
802003	ARROW PANELS TYPE C	6.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	272.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	27.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	33.00	S.F.
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	3.00	EACH
908001	TOPSOIL	25.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	75.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 52 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 27 MC DANIEL CREST - WINDLEY ROAD FROM SHIPLEY ROAD @ CHANGE IN
HOTMIX TO SHELLPOT DRIVE

LENGTH 396.2400 m 1300.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

4 RAMPS @ NAVARO, 4 RAMPS @ LARGO

MATERIAL ESTIMATE FOR LOCATION 27

908020

EROSION CONTROL BLANKET MULCH

150.00 S.Y.

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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 53 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 28 **MEETING HOUSE HILL - BOYDS VALLEY DRIVE FROM WHITE CLAY
CRESCENT TO NEW LINDEN HILL ROAD**

LENGTH 338.3280 m 1110.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ WHITE CLAY CRESCENT @ HOUSE #21
4 RAMPS @ WHITE CLAY CRESCENT

MATERIAL ESTIMATE FOR LOCATION 28

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	116.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	29.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	515.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	38.00	TON
401506	SPEED HUMP	64.00	L.F.
402000	BITUMINOUS CONCRETE PATCHING	570.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	86.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	380.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	95.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	190.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	40.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	800.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	8,240.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	570.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	29.00	L.F.
802003	ARROW PANELS TYPE C	5.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	5.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	240.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	24.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	24.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	72.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	144.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 54 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 29 MIDDLEBORO MANOR - MARY ANN DRIVE FROM MILMAR ROAD TO S. DUPONT ROAD

LENGTH 97.5360 m 320.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ S. DUPONT

MATERIAL ESTIMATE FOR LOCATION 29

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	52.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	13.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	100.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	17.00	TON
402000	BITUMINOUS CONCRETE PATCHING	255.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	41.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	170.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	42.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	84.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	255.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	13.00	L.F.
802003	ARROW PANELS TYPE C	4.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	4.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	80.00	HOURLY
908001	TOPSOIL	11.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	33.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	66.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 55 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 30 MONTCLARE - SALEM DRIVE FROM SCHOOL STREET TO BELAIRE DRIVE

LENGTH 141.7320 m 465.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ SALEM AND CUL-DE-SAC @ BELAIRE - 2 RAMPS @ SALEM

MATERIAL ESTIMATE FOR LOCATION 30

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	61.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	15.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	175.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	20.00	TON
402000	BITUMINOUS CONCRETE PATCHING	300.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	68.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	200.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	50.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	100.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,800.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	300.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	15.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	96.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	10.00	HOURL
908001	TOPSOIL	12.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	36.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	72.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 56 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 31 NORTH STAR - METEOR LANE FROM MERCURY ROAD TO POLARIS DRIVE

LENGTH 222.5040 m 730.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 31

201000	CLEARING AND GRUBBING	1.00	L.S.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	188.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	15.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	52.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	225.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	53.00	TON
402000	BITUMINOUS CONCRETE PATCHING	878.00	SY-IN
501001	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	50.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	45.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	450.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	112.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	224.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	835.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	35.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	176.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	18.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	21.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	62.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	124.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 57 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 32 PLEASANT HILLS - KENTUCKY AVENUE FROM WOODBINE AVENUE TO WINDSOR AVENUE

LENGTH 158.4960 m 520.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ WOOBINE - 4 RAMPS @ WOODBINE; 2 RAMPS @ WINDSOR

MATERIAL ESTIMATE FOR LOCATION 32

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	28.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	7.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	190.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	9.00	TON
402000	BITUMINOUS CONCRETE PATCHING	135.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	33.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	120.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	30.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	60.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	60.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,200.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,040.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	135.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	7.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	112.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	11.00	HOUR
908001	TOPSOIL	16.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	48.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	96.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 58 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 33 RADNOR GREEN - HONEYWELL DRIVE FROM OLYMPIA DRIVE TO GLENROCK DRIVE

LENGTH 269.7480 m 885.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES INTERSECTION W/ OLYMPIA - 6 RAMPS @ OLYMPIA; 2 RAMPS @ GLENROCK

MATERIAL ESTIMATE FOR LOCATION 33

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	170.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	35.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	270.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	46.00	TON
402000	BITUMINOUS CONCRETE PATCHING	690.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	142.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	550.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	137.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	274.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	80.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	1,600.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	4,320.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	690.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	35.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	290.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	29.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	33.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	99.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	198.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 59 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 34 RICHARDS LANE - RICHARDS LANE FROM KIRKWOOD HIGHWAY TO END
LENGTH
GENERAL IMPROVEMENTS
CURB AND GUTTER REPAIRS

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 34

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	95.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	24.00	C.Y.
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	31.00	TON
402000	BITUMINOUS CONCRETE PATCHING	465.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	31.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	310.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	77.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	154.00	S.F.
762000	SAW CUTTING, BITUMINOUS CONCRETE	465.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	23.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	80.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	8.00	HOUR
908001	TOPSOIL	12.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	36.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	72.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 60 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 35 ROSEVILLE PARK - LAUREL AVENUE FROM OAK AVENUE TO BIRCH STREET

LENGTH 399.2880 m 1310.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE INCLUDES SPEED HUMP @ INTERSECTION W/ BIRCH

MATERIAL ESTIMATE FOR LOCATION 35

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	24.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	6.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	655.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	8.00	TON
401506	SPEED HUMP	110.00	L.F.
402000	BITUMINOUS CONCRETE PATCHING	120.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	104.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	4.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	80.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	20.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	40.00	S.F.
710002	ADJUST WATER VALVE BOXES	4.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	10,480.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	120.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	6.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	192.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	19.00	HOURL
908001	TOPSOIL	3.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	9.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	18.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 61 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 36 SHARPLEY - AMBERLY ROAD FROM CHANGE IN HOTMIX @ HAMPTON ROAD TO FOULKSTONE ROAD

LENGTH 201.1680 m 660.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 36

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	70.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	18.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	205.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	23.00	TON
402000	BITUMINOUS CONCRETE PATCHING	345.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	71.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	2.00	EACH
701018	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-8	230.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	57.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	114.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	30.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	600.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,280.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	345.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	18.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	144.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	14.00	HOURLY
908001	TOPSOIL	15.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	45.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	90.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 62 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 37 SHERIDAN SQUARE - HOLBORN ROAD FROM HOUSE #2102 HOLBORN ROAD
LENGTH
GENERAL IMPROVEMENTS
CURB AND GUTTER REPAIRS

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 37

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	12.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	3.00	C.Y.
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	4.00	TON
402000	BITUMINOUS CONCRETE PATCHING	60.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	4.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	40.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	10.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	20.00	S.F.
762000	SAW CUTTING, BITUMINOUS CONCRETE	60.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	3.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	16.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	2.00	HOUR
908001	TOPSOIL	2.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	6.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	12.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 63 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 38 SILVERSIDE HEIGHTS - WILLOW LANE FROM PHILADELPHIA PIKE TO
CUL-DE-SAC

LENGTH 178.3080 m 585.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

THERE IS A CATCH BASIN NEAR THE CORNER OF LOT #10 (BY SPLIT RAIL FENCE) THAT NEEDS TO BE UNCOVERED/REPAIRED AS WELL

MATERIAL ESTIMATE FOR LOCATION 38

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	180.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	62.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,000.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	72.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	1.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
710002	ADJUST WATER VALVE BOXES	2.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,880.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	410.00	L.F.
802003	ARROW PANELS TYPE C	2.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	112.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	11.00	HOUR
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 64 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 39 SILVIEW - WINDSOR AVENUE FROM OAKMONT AVENUE TO END

LENGTH 132.5880 m 435.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

1 RAMP @ OAKMONT

MATERIAL ESTIMATE FOR LOCATION 39

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	86.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	135.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	28.00	TON
402000	BITUMINOUS CONCRETE PATCHING	420.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	100.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	280.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	70.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	140.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	10.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	200.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,160.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	420.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	21.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	144.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	14.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	13.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	39.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	78.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 65 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 40 SKYLINE RIDGE - VIDERE DRIVE FROM PEDESTRIAN TRAIL TO HOUSE #2957 (REAR ENTRANCE ST MARKS)

LENGTH 240.7920 m 790.0000 L.F.

GENERAL IMPROVEMENTS

CURB AND GUTTER REPAIRS, 2" MILL AND OVERLAY

COMMENTS:

CURB WHERE NECESSARY

MATERIAL ESTIMATE FOR LOCATION 40

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	229.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	57.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	350.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	75.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,125.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	75.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
701018	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-8	200.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	550.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	188.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	375.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,600.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	1,125.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	56.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	208.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	21.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	33.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	99.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	198.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 66 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 41 STENNING WOODS - GIFFIN COURT FROM STENNING DRIVE TO CUL-DE-SAC

LENGTH 105.1560 m 345.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

2 RAMPS @ STENNING

MATERIAL ESTIMATE FOR LOCATION 41

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	55.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	14.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	145.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	18.00	TON
402000	BITUMINOUS CONCRETE PATCHING	270.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	66.00	L.F.
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	1.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	180.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	45.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	90.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,240.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	270.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	14.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	112.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	11.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	1.00	EACH
908001	TOPSOIL	11.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	33.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	66.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 67 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 42 STENNING WOODS - HADLEY COURT FROM LETITIA DRIVE TO CUL-DE-SAC

LENGTH 59.4360 m 195.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

1 RAMP @ LETTIA

MATERIAL ESTIMATE FOR LOCATION 42

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	24.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	6.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	100.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	8.00	TON
402000	BITUMINOUS CONCRETE PATCHING	120.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	32.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	1.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	80.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	20.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	40.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	10.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	200.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	1,600.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	385.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	120.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	6.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	64.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	6.00	HOURLY
908001	TOPSOIL	5.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	15.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	30.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 68 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 43 WEBSTER FARM - STONELEIGH RD FROM WEBSTER DRIVE TO MARCELLA RD

LENGTH 190.5000 m 625.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 43

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	83.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	21.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	195.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	27.00	TON
402000	BITUMINOUS CONCRETE PATCHING	405.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	99.00	L.F.
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	270.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	67.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	134.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	3,120.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	405.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	20.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	144.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	14.00	HOUR
908001	TOPSOIL	11.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	33.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	66.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 69 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 44 WEBSTER FARM - STONELEIGH RD. FROM WILSON RD. TO WEBSTER DR.

LENGTH 83.8200 m 275.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 44

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	55.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	14.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	125.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	18.00	TON
402000	BITUMINOUS CONCRETE PATCHING	270.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	18.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	180.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	45.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	90.00	S.F.
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,000.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	270.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	14.00	L.F.
802003	ARROW PANELS TYPE C	3.00	EA-DY

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 70 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 45 WEST HAVEN - ALDRICH WAY FROM DICKINSON LANE TO VINING LANE

LENGTH 143.2560 m 470.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY(CURB WHERE NECESSARY)

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 45

401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	140.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	9.00	TON
402000	BITUMINOUS CONCRETE PATCHING	144.00	SY-IN
619020	RECONSTRUCTING STONE MASONRY	550.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	2,240.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	64.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	64.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	6.00	HOUR
908001	TOPSOIL	22.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	66.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	132.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 71 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 46 WESTGATE FARMS - WESTGATE DRIVE FROM HOUSE #125 WESTGATE DRIVE

LENGTH 27.4320 m 90.0000 L.F.

GENERAL IMPROVEMENTS

CURB AND GUTTER REPAIRS

COMMENTS:

PER FIELD MEETING W/ REP. BRADY - REPLACE CURB IN FRONT OF HOUSE #125

MATERIAL ESTIMATE FOR LOCATION 46

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	28.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	7.00	C.Y.
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	9.00	TON
402000	BITUMINOUS CONCRETE PATCHING	135.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	9.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	90.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	22.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	44.00	S.F.
762000	SAW CUTTING, BITUMINOUS CONCRETE	135.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	7.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	48.00	HOUR
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	5.00	HOUR
908001	TOPSOIL	4.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	12.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	24.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 72 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

LOCATION 47 WESTOVER HILLS - EDGEHILL ROAD FROM WESTOVER ROAD (ENTRANCE BY KENNETT PIKE) TO NORTH DUPONT ROAD

LENGTH 363.3216 m 1192.0000 L.F.

GENERAL IMPROVEMENTS

2" MILL AND OVERLAY (CURB WHERE NECESSARY)

COMMENTS:

ESTIMATE FOR THE 900 BLOCK OF EDGEHILL RD..MEETING W/ ARBORIST REQUIRED PRIOR TO CONSTRUCTION

MATERIAL ESTIMATE FOR LOCATION 47

211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	98.00	S.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	24.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	365.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	32.00	TON
402000	BITUMINOUS CONCRETE PATCHING	480.00	SY-IN
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	69.00	L.F.
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	2.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	2.00	EACH
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	320.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	80.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	160.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	20.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	400.00	S.F.
710002	ADJUST WATER VALVE BOXES	1.00	EACH
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	5,840.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	480.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	24.00	L.F.
811001	FLAGGER, NEW CASTLE COUNTY STATE	208.00	HOURLY
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	21.00	HOURLY
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	2.00	EACH
908001	TOPSOIL	18.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	54.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	108.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 73 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

CONTRACT QUANTITIES SUMMARY SHEET

201000	CLEARING AND GRUBBING	1.00	L.S.
202000	EXCAVATION AND EMBANKMENT	12.00	C.Y.
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	3,635.00	S.Y.
301001	GRADED AGGREGATE BASE COURSE, TYPE B	60.00	C.Y.
301002	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	920.00	C.Y.
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	10,865.00	TON
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	1,146.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	125.00	TON
401506	SPEED HUMP	300.00	L.F.
402000	BITUMINOUS CONCRETE PATCHING	19,502.00	SY-IN
501001	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	200.00	S.Y.
504001	CRACK AND JOINT SEALING LESS THAN 3/4 INCH WIDE	3,863.00	L.F.
602100	REPLACE DRAINAGE INLET GRATE(S)	28.00	EACH
602101	REPLACE DRAINAGE INLET FRAME(S)	14.00	EACH
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	31.00	EACH
602131	ADJUSTING AND REPAIRING EXISTING DOUBLE DRAINAGE INLET	4.00	EACH
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	113.00	EACH
619020	RECONSTRUCTING STONE MASONRY	550.00	S.F.
701018	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 1-8	690.00	L.F.
701019	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 2	10,650.00	L.F.
701023	INTEGRAL PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	140.00	L.F.
705001	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	2,829.00	S.F.
705002	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	5,655.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	800.00	S.F.
705008	CURB RAMP, TYPE 1	1,600.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	14,400.00	S.F.
710002	ADJUST WATER VALVE BOXES	59.00	EACH
710370	STEEL CASING PIPE, 4"	190.00	L.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201803102

PAGE 74 OF 74

CANAL

COMMUNITY TRANSPORTATION FUND, NORTH II, 2018

CONTRACT QUANTITIES SUMMARY SHEET

760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	177,860.00	SY-IN
760011	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, TAPER CUT	3,080.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	18,250.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	865.00	L.F.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
801500	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	SUM
802003	ARROW PANELS TYPE C	40.00	EA-DY
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	31.00	EA-DY
811001	FLAGGER, NEW CASTLE COUNTY STATE	6,386.00	HOURL
811013	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	628.00	HOURL
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	66.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	60.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	60.00	L.F.
846001	FURNISH AND INSTALL LOOP WIRE 1-CONDUCTOR #14 AWG ENCASED IN 1/4" FLEXIBLE TUBING IN A LOOP SAWCUT	115.00	L.F.
905004	INLET SEDIMENT CONTROL, DRAINAGE INLET	35.00	EACH
908001	TOPSOIL	638.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	1,913.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	3,826.00	S.Y.