

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION  
OFFICE OF TRANSPORTATION SOLUTIONS  
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE

FEDERAL AID NUMBER- NONE

PAGE 1 OF 25

CONTRACT TITLE- COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON,  
2016 OPEN END

PLANS PREPARED BY:

  
DESIGN TECHNICIAN

DATE RECOMMENDED: 10/26/15

  
PUBLIC WORKS ENGINEER:

DATE RECOMMENDED: 10/26/15

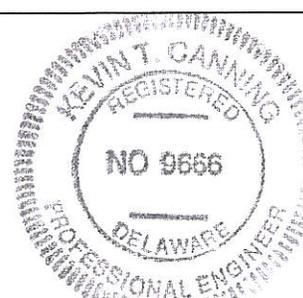
  
MAINTENANCE ENGINEER:

DATE RECOMMENDED: 10/26/15

  
CONTRACTS ENGINEER:

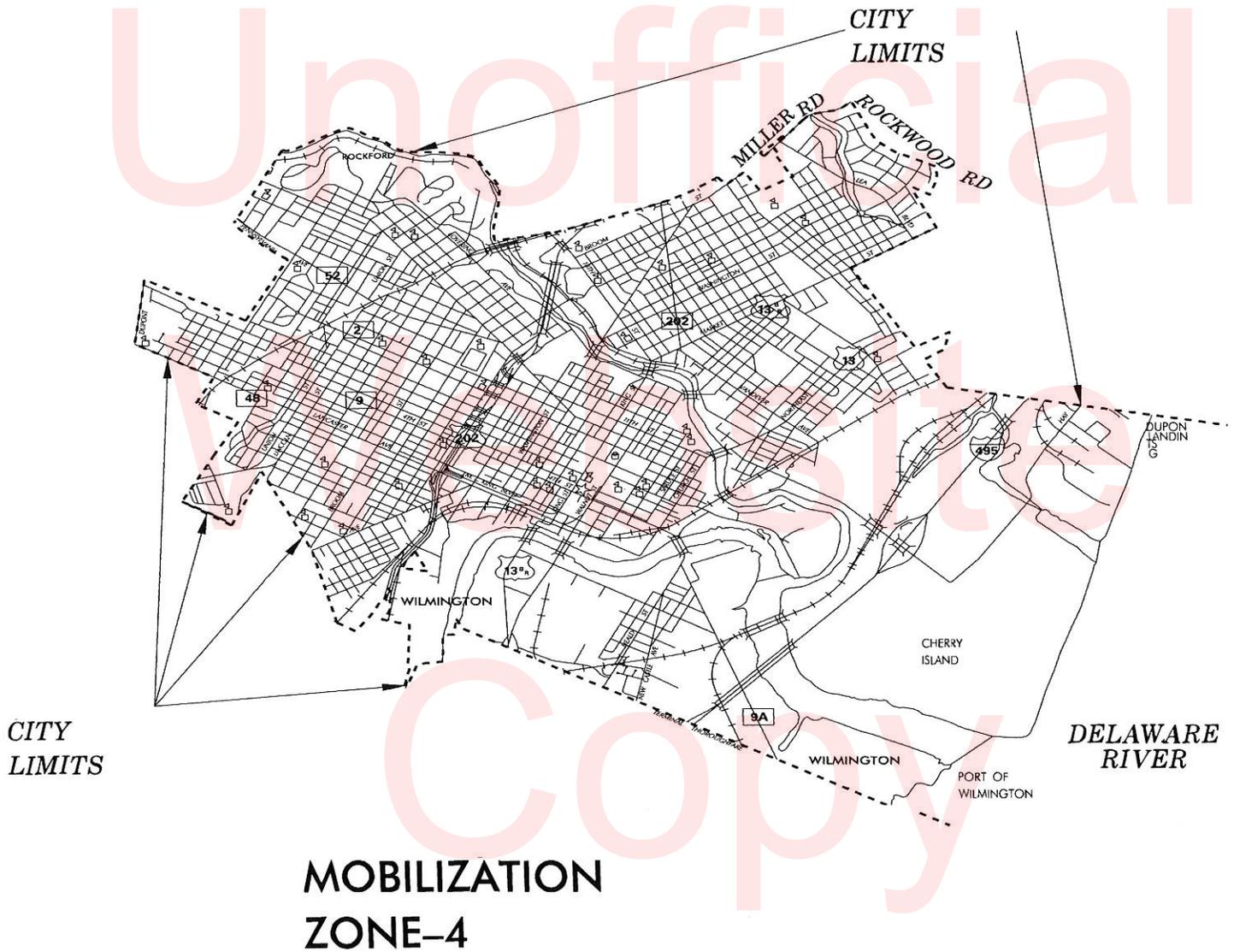
DATE APPROVED: 10/27/15

  
DISTRICT ENGINEER:



VARIOUS LOCATIONS

LOCATION MAP



---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 3 OF 25

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 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, DATED 2001 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.

PROSECUTION AND PROGRESS OF WORK:

4. 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.

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 4 OF 25

GENERAL CONTRACT PLAN NOTES

UPSET LIMIT:

5. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITIES OF THE ITEMS SPECIFIED IN THIS CONTRACT. SUCH ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. THE TOTAL CONTRACT VALUE, WITH ALL ADDITIONAL WORK IF ADDED, SHALL NOT EXCEED 150 PERCENT OF THE ORIGINAL CONTRACT VALUE.

6. 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 & PROJECT 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.

SECTION 400

7. 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 SECTION 401(.). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30200X. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

SECTION 700

8. 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 BE RAMPED WITH BITUMINOUS CONCRETE TRM INCIDENTAL TO THE ITEM 761001 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. SAW CUTS FOR BUTT JOINTS SHALL BE INCIDENTAL TO THE BUTT JOINT ITEM. ALL BITUMINOUS CONCRETE TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATION.

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

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 5 OF 25

GENERAL CONTRACT PLAN NOTES

10. 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

11. PAVING IS TO BE COMPLETED CURB TO CURB INCLUDING TURN LANES AND INTERSECTIONS WITHIN SEVEN (7) CALENDAR 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.

12. 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.

13. THE BASIS OF MEASUREMENT AND PAYMENT FOR ITEM 760006 - PAVEMENT MILLING, 2" (50 mm) DEPTH, SHALL INCLUDE AN AVERAGE OF THE MILLED DEPTH PER LOCATION FROM 1" (25 mm) TO 2.25" (56 mm) (INCLUSIVE) FOR MEASUREMENT AND PAYMENT PURPOSES. PAYMENT FOR PAVEMENT MILLING DEPTHS WHOSE AVERAGE IS GREATER THAN 2.25" (56 mm) SHALL BE NEGOTIATED BY THE ENGINEER.

14. 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 708060/708061 REPLACING CATCH BASIN 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.

15. 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

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 6 OF 25

**GENERAL CONTRACT PLAN NOTES**

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 732004, 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) CALENDAR DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL.

16. 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 #762002 SAW CUT - CONCRETE FULL DEPTH.

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

18. 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) CALENDAR 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 DAYS OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY MARKINGS SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT MARKING, WHEN:

A. EXISTING PAVEMENT IS MILLED AND BITUMINOUS CONCRETE WILL NOT BE PLACED THE SAME DAY;

B. MORE THAN A SINGLE COURSE OF BITUMINOUS CONCRETE IS TO BE PLACED

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 7 OF 25

GENERAL CONTRACT PLAN NOTES

C. PERMANENT ROADWAY STRIPING CANNOT BE PLACED ON THE SAME DAY AS THE PLACEMENT OF THE FINAL COURSE OF BITUMINOUS CONCRETE.

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 748019 - TEMPORARY MARKINGS, FOR CONDITIONS A, B & C LISTED ABOVE.

19. 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 CONTRACTORS EXPENSE.

20. THE CONTRACTOR SHALL PROVIDE RESIDENTS/BUSINESSES WITH 72 HR. PRIOR WRITTEN NOTICE FOR ALL PHASES OF CONTRACT WORK INCLUDING BUT NOT LIMITED TO: SAW CUTTING 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 OR BUSINESSES THAT ARE ADJACENT TO THE STREET ON WHICH WORK IS TO BE PERFORMED. "NO PARKING" SIGNS ARE ALSO REQUIRED TO BE POSTED 24 HOURS IN ADVANCE OF THE WORK. THE NO PARKING SIGNS SHALL INDICATE THE DATES AND TIMES THE PARKING BAN IS IN EFFECT. FAILURE TO POST THE REQUIRED SIGNS OR GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.

21. BEFORE THE START OF A DAYS 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.

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 8 OF 25

GENERAL CONTRACT PLAN NOTES

23. BEFORE WORK IS DONE AT ANY LOCATION, THE APPROPRIATE DISTRICT SAFETY OFFICER MUST APPROVE THE MOT FOR THAT LOCATION. ANY ANTICIPATED IMPACT TO TRAFFIC SIGNALS MUST BE REVIEWED BY THE DELDOT TRAFFIC SECTION PRIOR TO CONSTRUCTION. THEY CAN BE CONTACTED AT 302-659-4060.
24. ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTORS EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING. NO OTHER REMOVAL METHODS WILL BE ALLOWED.
25. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING THE NECESSARY NCHRP 350 CERTIFICATIONS OR THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) 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.
26. 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.

SECTION 900

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

OPEN END SPECIFIC PROJECT NOTES

28. 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.
29. 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

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 9 OF 25

GENERAL CONTRACT PLAN NOTES

WATER OR WETLAND IS JURISDICTIONAL, CONTACT THE DEL DOT ENVIRONMENTAL SECTION AT 302-760-2264.

30. 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.

31. 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.

32. 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 SAFETY SECTION.

33. 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.

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

35. 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.

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

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 10 OF 25

GENERAL CONTRACT PLAN NOTES

LENGTH OF CONTRACT

THE PERIOD OF THIS CONTRACT IS FROM THE DATE OF THE "NOTICE TO PROCEED" FOR ONE (1) CALENDAR YEAR WITH THE OPTION TO EXTEND THE CONTRACT FOR 2 ADDITIONAL YEARS. THE DOLLAR VALUE ESTIMATED TO BE UTILIZED IN EACH OF THE THREE YEARS SHALL BE APPROXIMATELY ONE THIRD OF THE ENTIRE CONTRACT AWARD VALUE.

CONTRACT EXTENSION: THE DEPARTMENT RESERVES THE RIGHT TO REQUEST TO EXTEND THIS CONTRACT FOR TWO ADDITIONAL ONE YEAR EXTENSIONS AT THE ORIGINAL UNIT BID PRICES SPECIFIED EXCEPT AS NOTED HEREIN. THE ONE YEAR EXTENSIONS MUST BE APPROVED BY BOTH PARTIES IN WRITING AT LEAST 90 DAYS PRIOR TO EXPIRATION OF THE EXISTING CONTRACT SUBJECT TO SATISFACTORY PERFORMANCE OF THE CONTRACTOR. THE SUCCESSFUL BIDDER MAY EXTEND THE CONTRACT PRICE TO ANY OTHER STATE OR LOCAL AGENCY DURING THE CONTRACT PERIOD IF IT IS AGREEABLE WITH BOTH PARTIES.

PRICE ADJUSTMENT: EXTENSION TO FUTURE YEARS IS DEPENDENT ON LEGISLATIVE FUNDING APPROPRIATIONS FOR THESE FISCAL YEARS AND AGREEMENT ON SUCCEEDING YEAR'S PRICING AS DESCRIBED HEREIN. THE BID PRICES IN THE CONTRACT MUST BE GUARANTEED FOR THE FIRST YEAR OF THE CONTRACT. IN THE FUTURE YEAR CONTRACT EXTENSIONS, THE VENDOR MAY REQUEST AN INCREASE IN UNIT PRICES. THE VENDOR WILL BE REQUIRED TO REQUEST ANY PRICE INCREASES PRIOR TO THE EXTENSION OF THE CONTRACT. THE BID PRICES IN THE CONTRACT EXTENSION SHALL BE GUARANTEED FOR THE PERIOD OF THE CONTRACT EXTENSION. IF THE DIFFERENCE REQUESTED EXCEEDS THE CHANGE IN THE NATIONWIDE ALL URBAN CONSUMER PRICE INDEX (CPI-U), US CITY AVERAGE FOR THE SAME PERIOD, APPROVAL OF ANY PRICE ADJUSTMENT OFFERED THE VENDOR ABOVE THE CPI-U WILL BE AT THE DISCRETION OF THE DISTRICT ENGINEER. THE DEPARTMENT RETAINS THE RIGHT TO CANCEL THE FUTURE YEAR EXTENSION IF ANY ACCEPTABLE AGREEMENT CANNOT BE REACHED WITH THE VENDOR ON THE PRICE ADJUSTMENT. THIS CONTRACT MAY BE EXTENDED FOR SUCH PERIOD, QUANTITIES, AND TIME, AS IS MUTUALLY AGREEABLE BETWEEN BOTH PARTIES.

CITY OF WILMINGTON COMMENTS

37. THE CITY REQUIRES THAT THE CONTRACTORS NAME BE STAMPED INTO THE SIDEWALK. THE CITY CODE OF ORDINANCES, PART II, CHAPTER 42, ARTICLE I, DIVISION I SEC. 42-110 STATES:  
"CONTRACTOR'S NAME TO BE STAMPED OR INLAID INTO SIDEWALK. THE CONTRACTOR SHALL MARK HIS NAME IN THE SIDEWALK, EITHER BY STAMPING OR BY INLAYING AN IMPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE INCH HIGH AND ONE-QUARTER INCH DEEP. IF A METAL PLATE IS USED, THE TOP OF THE PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK.

---

DEPARTMENT OF TRANSPORTATION

---

CONTRACT NUMBER- T201603109 NORTH MAINTENANCE  
COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN END

---

PAGE 11 OF 25

GENERAL CONTRACT PLAN NOTES

THE CONTRACTOR'S NAME SHALL BE PLACED AT EACH END OF THE FINISHED SIDEWALK UP TO 100 FEET IN LENGTH. BEYOND THE 100 FEET LENGTH, THE CONTRACTOR'S NAME SHALL BE PLACED AT THE ENDS OF THE FINISHED SIDEWALK AND MIDDISTANT BETWEEN THE ENDS."

38. THE CITY CODE REQUIRES EXPANSION JOINTS BETWEEN CONCRETE CURB AND CONCRETE SIDEWALK.

39. THE CITY REQUIRES THAT GRANITE CURB NOT BE REPLACED WITH ANY OTHER KIND OF CURB EXCEPT AT ADA RAMPS. THE CITY CODE OF ORDINANCES, PART II, CHAPTER 42, ARTICLE I, DIVISION I SEC. 42-49 STATES

"EXISTING GRANITE CURBS MAY NOT BE REPLACED WITH ANY OTHER TYPE OF CURBING MATERIALS, EXCEPT THAT GRANITE CURBS MAY BE REPLACED BY CONCRETE CURBS WHERE NECESSARY TO THE CONSTRUCTION OF A RAMP FOR A WHEELCHAIR ACCESS TO AND FROM THE ADJOINING STREET. GRANITE CURBING, WHEN AUTHORIZED TO BE REMOVED PURSUANT TO THIS SECTION, SHALL BE DELIVERED TO AND STORED ON CITY PROPERTY AT A LOCATION OR LOCATIONS DESIGNATED BY THE DEPARTMENT OF PUBLIC WORKS FOR THE SAME, AND SHALL THERE BE MADE AVAILABLE WITHOUT CHARGE T ANY PERSON DESIRING TO REPAIR OR CONSTRUCT A GRANITE CURB IN THE CITY. IF THE SUPPLY OF GRANITE CURBING SO STORED SHOULD AT ANY TIME SUBSTANTIALLY EXCEED THE POTENTIAL NEED FOR GRANITE CURBING FOR SUCH CONSTRUCTION OR REPAIRS, THE DEPARTMENT OF PUBLIC WORKS SHALL BE AUTHORIZED TO SELL, UTILIZE, OR OTHERWISE DISPOSE OF SUCH EXCESS SUPPLY OF GRANITE CURBS."

40. ALL TREE WORK INCLUDING BUT NOT LIMITED TO REMOVAL, REPLACEMENT, TRIMMING OR ROOT TRIMMING IS TO BE APPROVED BY THE CITY FORESTER/ARBORIST.

41. OVER NIGHT STORAGE OF CONTRACTORS EQUIPMENT AND MATERIALS IS NOT PERMITTED ON CITY STREETS.

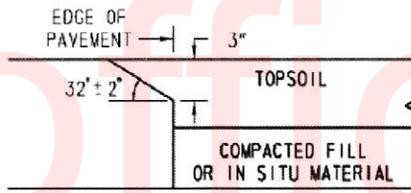
42. CONTRACTORS PERFORMING WORK WITHIN THE CITY OF WILMINGTON ARE REQUIRED TO HOLD A CITY LICENSE.

43. TRAFFIC OFFICERS MAY BE USED AT THE DISCRETION OF THE PROJECT MANAGER WHERE ISSUES ARE ANTICIPATED WITHIN THE LIMITS OF THE PROJECT.

NORTH  
MAINTENANCE

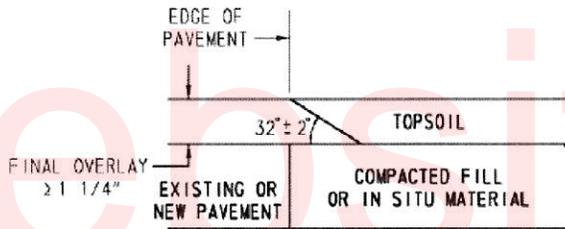
VARIOUS LOCATIONS

DETAILS SHEET



CONCRETE PAVEMENTS

N. T. S.



BITUMINOUS CONCRETE PAVEMENTS AND OVERLAYS

N. T. S.

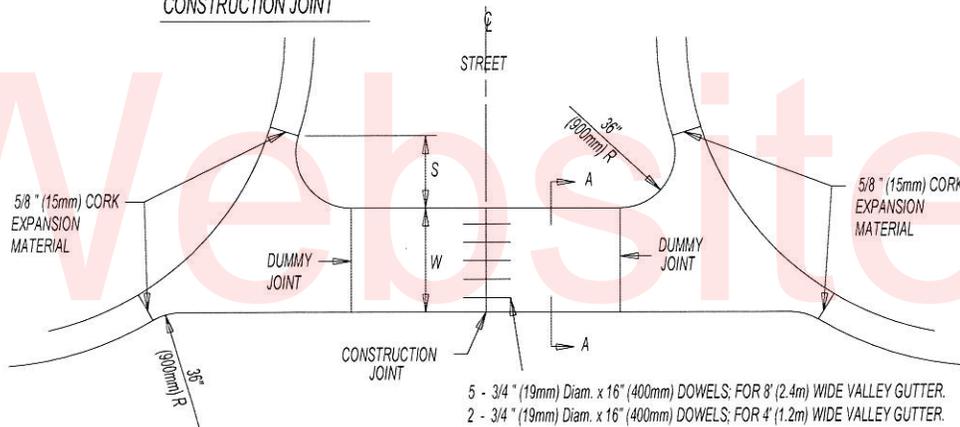
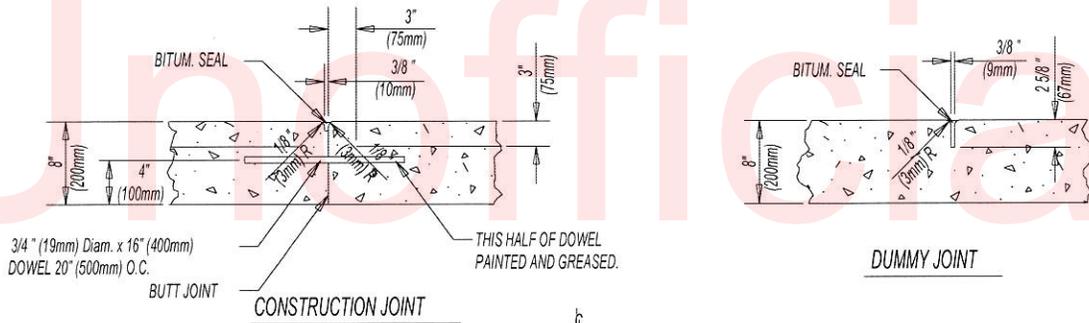
SAFETY EDGE DETAIL

Copy

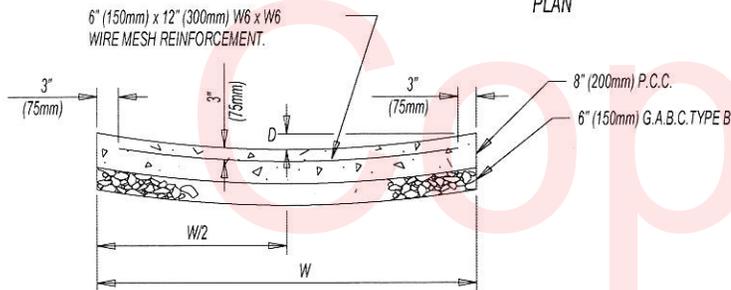
NORTH  
MAINTENANCE

VARIOUS LOCATIONS

DETAILS SHEET



PLAN



SECTION A-A

P.C.C. VALLEY GUTTER  
N.T.S.

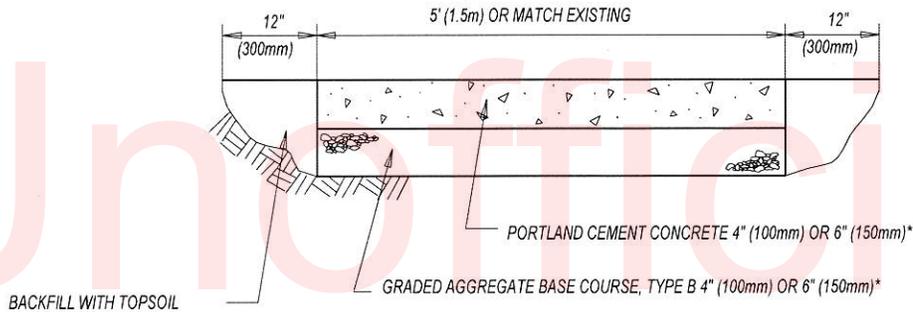
WIDTH W	DEPTH D	OFFSET S
8' (2.4m)	3" (75mm)	16" (405mm)
4' (1.2m)	1 1/2" (38mm)	23 1/2" (585mm)

NOTE: EXCAVATION FOR AREA IN FRONT OF CURB WILL BE INCIDENTAL TO ITEM 701004.

NORTH  
MAINTENANCE

VARIOUS LOCATIONS

DETAILS SHEET



P.C.C. SIDEWALK

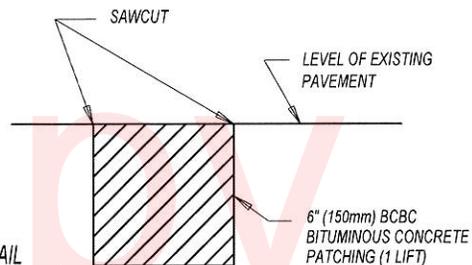
N.T.S.

\* 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. 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.



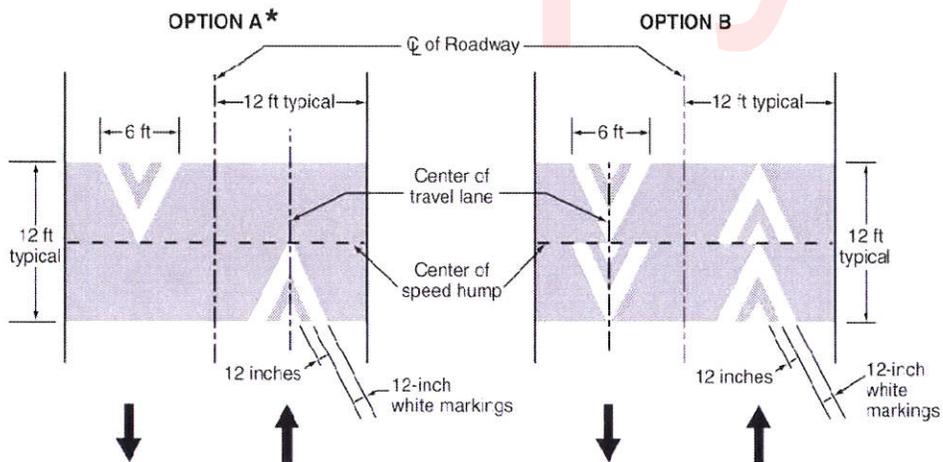
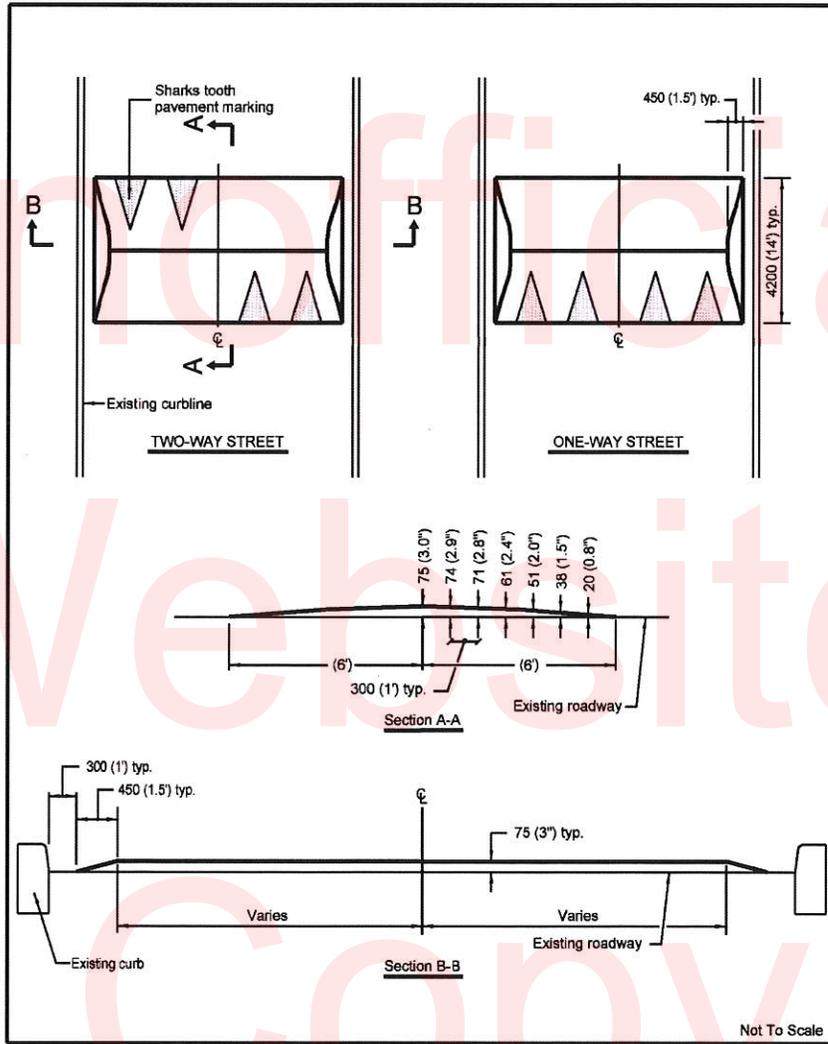
BITUMINOUS CONCRETE PATCH DETAIL

N.T.S.

NORTH  
MAINTENANCE

VARIOUS LOCATIONS

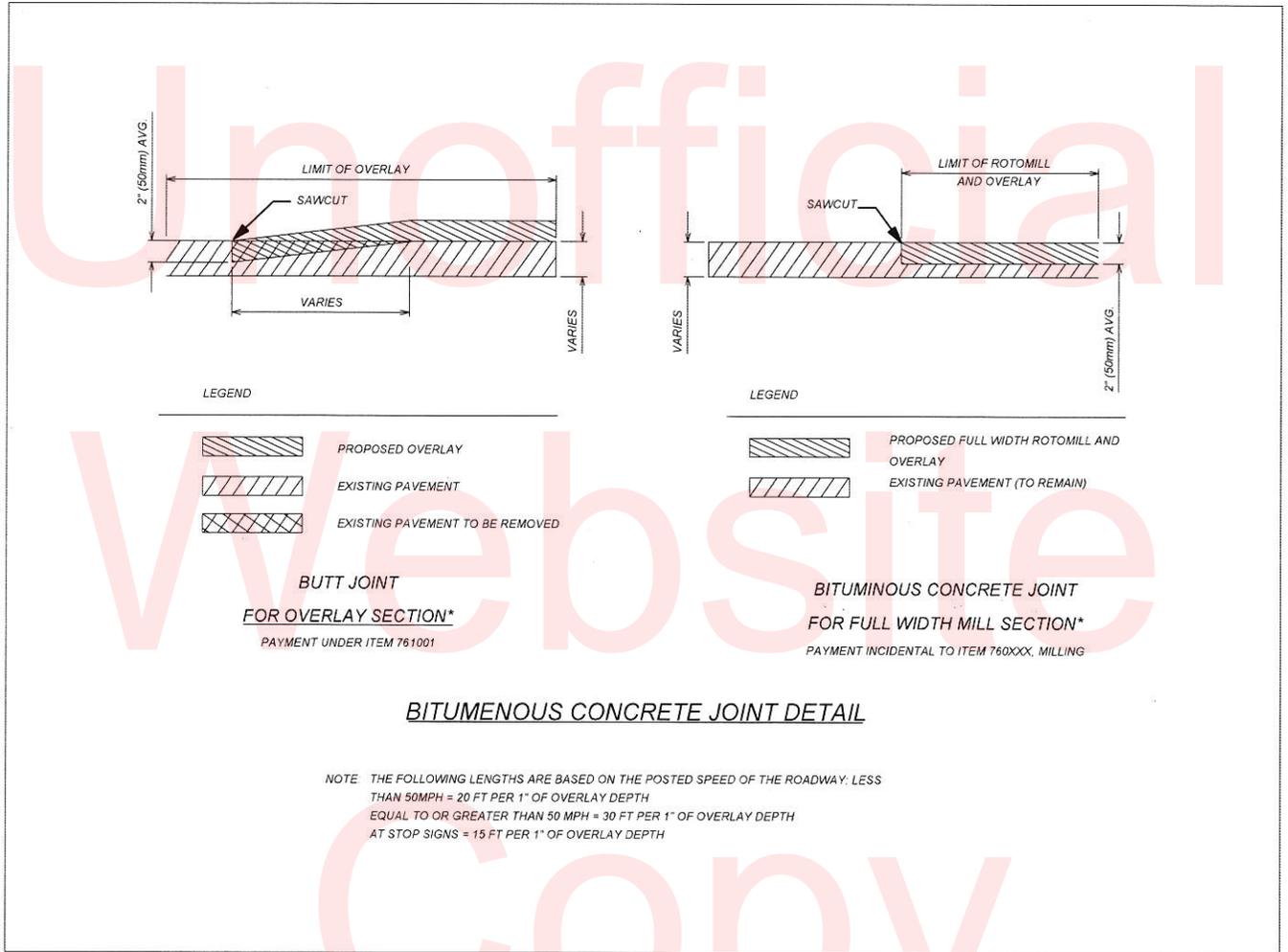
DETAILS SHEET



NORTH  
MAINTENANCE

VARIOUS LOCATIONS

DETAILS SHEET

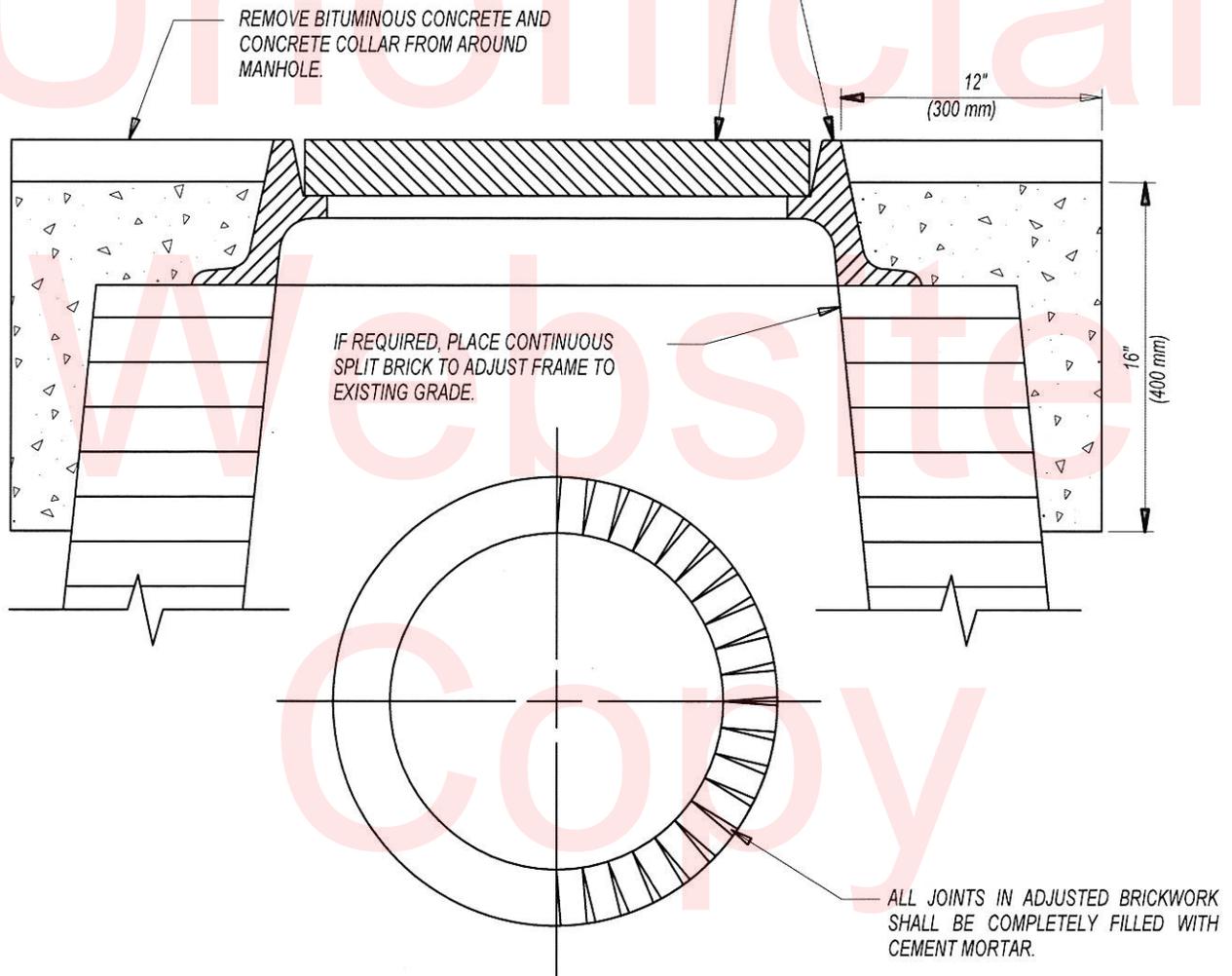


NORTH  
MAINTENANCE

VARIOUS LOCATIONS

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 710002.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT NUMBER- T201603109

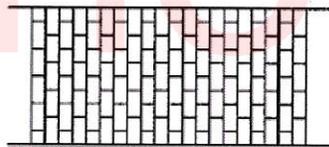
PAGE 18 OF 25

NORTH  
MAINTENANCE

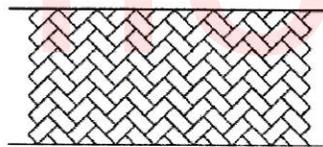
VARIOUS LOCATIONS

DETAILS SHEET

SCALE: NTS



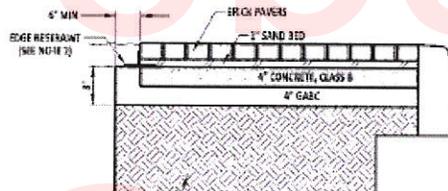
4" x 8" RUNNING BOND PATTERN



4" x 8" HERRINGBONE PATTERN

NOTES:

1. ACTUAL PATTERN TO BE USED SHALL BE SPECIFIED ON THE PLANS. COLOR IS TO BE "BRICK RED" UNLESS OTHERWISE NOTED ON THE PLANS.
2. MATERIALS AND PAVEMENT BOX Joints DEPENDING ON PLANS.
3. FOR CROSSWALK APPLICATIONS, REFER TO THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STRIPING WIDTH.
4. THE PATTERNS ABOVE ARE THE PREFERRED PATTERNS AVAILABLE FOR SIDEWALK OR CROSSWALK APPLICATIONS.



BRICK PAVER SIDEWALK DETAIL

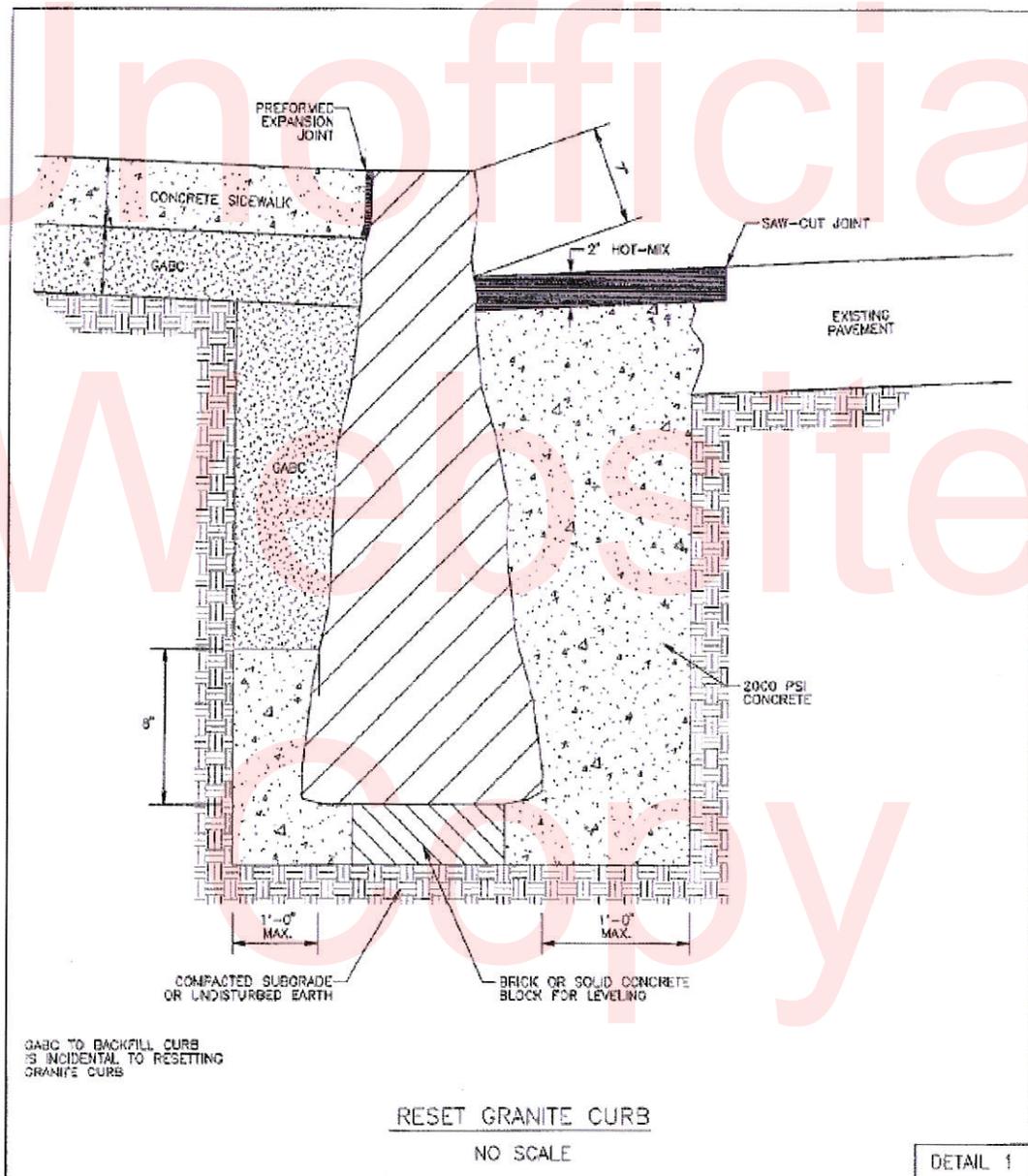
NOTES:

1. WHEN SIDEWALK IS CONFINED BY A RIGID STRUCTURE ON BOTH SIDES, EXPANSION JOINT MATERIAL SHALL BE USED FROM TOP OF BRICK TO BOTTOM OF CONCRETE BASE ON AT LEAST ONE SIDE OF THE SIDEWALK.
2. EDGE RESTRAINT MUST BE APPROVED BY THE ENGINEER IN THE FIELD AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

NORTH  
MAINTENANCE

VARIOUS LOCATIONS

DETAILS SHEET



DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 20 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN  
END

LOCATION 1 OPEN END ESTIMATE - OPEN END VARIOUS LOCATIONS FROM VARIOUS  
TO VARIOUS

LENGTH

GENERAL IMPROVEMENTS

DEPENDENT ON LOCATION

COMMENTS:

Unofficial

MATERIAL ESTIMATE FOR LOCATION 1

202000	EXCAVATION AND EMBANKMENT	60.00	C.Y.
302007	GRADED AGGREGATE BASE COURSE, TYPE B	301.00	C.Y.
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	75.00	C.Y.
401511	REMOVE AND CONSTRUCT SPEED HUMP	110.00	L.F.
401523	PAVING SURCHARGE, ZONE 4	502.00	TON
401800	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	3,500.00	TON
401809	BITUMINOUS CONCRETE, SUPERPAVE, TYPE B, 115 GYRATIONS, PG 64-22	250.00	TON
401819	BITUMINOUS CONCRETE, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22	125.00	TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	125.00	TON
406001	BITUMINOUS CONCRETE PATCHING	1,000.00	SY-IN
612020	REINFORCED CONCRETE PIPE, 12", CLASS IV	40.00	L.F.
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	40.00	L.F.
612022	REINFORCED CONCRETE PIPE, 18", CLASS IV	40.00	L.F.
612519	CORRUGATED POLYETHYLENE PIPE, TYPE C, 15"	100.00	L.F.
617002	REINFORCED CONCRETE FLARED END SECTION, 15"	1.00	EACH
701004	PORTLAND CEMENT CONCRETE VALLEY GUTTER, 8"	100.00	S.Y.
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	1,000.00	L.F.
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	100.00	L.F.
701020	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 1-8	1,000.00	L.F.
701021	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 2	1,000.00	L.F.
701022	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-8	500.00	L.F.
701501	RESET EXISTING STONE CURB	500.00	L.F.
701502	STONE CURB	1,000.00	L.F.
705001	P.C.C. SIDEWALK, 4"	1,300.00	S.F.

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 21 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN  
END

LOCATION 1 OPEN END ESTIMATE - OPEN END VARIOUS LOCATIONS FROM VARIOUS  
TO VARIOUS  
LENGTH  
GENERAL IMPROVEMENTS  
DEPENDENT ON LOCATION

COMMENTS:

Unofficial

MATERIAL ESTIMATE FOR LOCATION 1

705002	P.C.C. SIDEWALK, 6"	1,000.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	350.00	S.F.
705008	CURB RAMP, TYPE 1	200.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	7,000.00	S.F.
705504	BRICK AND/OR BLOCK SIDEWALK	2,500.00	S.F.
705505	RESET STONE/BRICK SIDEWALK AND/OR STONE/BRICK ROADWAY	3,500.00	S.F.
705506	BRICK AND/OR BLOCK ROADWAY	2,000.00	S.F.
708050	DRAINAGE INLET, 34" X 18"	5.00	EACH
708051	DRAINAGE INLET, 34" X 24"	3.00	EACH
708060	REPLACE DRAINAGE INLET GRATE(S)	30.00	EACH
708061	REPLACE DRAINAGE INLET FRAME(S)	20.00	EACH
708585	JUNCTION BOX, 48" X 30"	2.00	EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	30.00	EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	75.00	EACH
712005	RIPRAP, R-4	10.00	S.Y.
713003	GEOTEXTILES, RIPRAP	10.00	S.Y.
714003	DITCHING	100.00	L.F.
715001	PERFORATED PIPE UNDERDRAINS, 6"	100.00	L.F.
718000	ROOF DRAINS	70.00	L.F.
727502	ADJUSTING EXISTING MONUMENT BOX	30.00	EACH
741001	TREE REMOVAL 6" TO 10.9"	12.00	EACH
741002	TREE REMOVAL 11" TO 14.9"	12.00	EACH
741003	TREE REMOVAL 15" TO 18.9"	6.00	EACH
741004	TREE REMOVAL 19" TO 24.9"	1.00	EACH
743003	ARROWPANELS, TYPE C	100.00	EA-DY

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 22 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016 OPEN  
END

LOCATION 1 OPEN END ESTIMATE - OPEN END VARIOUS LOCATIONS FROM VARIOUS  
TO VARIOUS

LENGTH

GENERAL IMPROVEMENTS

DEPENDENT ON LOCATION

COMMENTS:

Unofficial

MATERIAL ESTIMATE FOR LOCATION 1

743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	50.00	EA-DY
743009	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE I	50.00	EA-DY
743050	FLAGGER, NEW CASTLE COUNTY, STATE	1,000.00	HOURL
743062	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	125.00	HOURL
746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	190.00	L.F.
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	225.00	S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	1,400.00	L.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	1,000.00	L.F.
750000	ADJUST WATER VALVE BOXES	45.00	EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	4,000.00	S.Y.
760000	PAVEMENT - MILLING, HOT-MIX	10,000.00	SY-IN
760006	PAVEMENT - MILLING, HOT-MIX, 2" DEPTH	35,000.00	S.Y.
760502	PAVEMENT MILLING, TAPER CUT	300.00	SY-IN
761001	BUTT JOINTS, HOT MIX	450.00	S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	5,000.00	L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	3,000.00	L.F.
763547	ROAD LOCATION MOBILIZATION, ZONE 4	6.00	EACH
908001	TOPSOIL (TON)	100.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	250.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	250.00	S.Y.

Website  
Copy

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 23 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016  
OPEN END

CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	60.00	C.Y.
302007	GRADED AGGREGATE BASE COURSE, TYPE B	301.00	C.Y.
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	75.00	C.Y.
401511	REMOVE AND CONSTRUCT SPEED HUMP	110.00	L.F.
401523	PAVING SURCHARGE, ZONE 4	502.00	TON
401800	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	3,500.00	TON
401809	BITUMINOUS CONCRETE, SUPERPAVE, TYPE B, 115 GYRATIONS, PG 64-22	250.00	TON
401819	BITUMINOUS CONCRETE, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22	125.00	TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	125.00	TON
406001	BITUMINOUS CONCRETE PATCHING	1,000.00	SY-IN
612020	REINFORCED CONCRETE PIPE, 12", CLASS IV	40.00	L.F.
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	40.00	L.F.
612022	REINFORCED CONCRETE PIPE, 18", CLASS IV	40.00	L.F.
612519	CORRUGATED POLYETHYLENE PIPE, TYPE C, 15"	100.00	L.F.
617002	REINFORCED CONCRETE FLARED END SECTION, 15"	1.00	EACH
701004	PORTLAND CEMENT CONCRETE VALLEY GUTTER, 8"	100.00	S.Y.
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	1,000.00	L.F.
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	100.00	L.F.
701020	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 1-8	1,000.00	L.F.
701021	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 2	1,000.00	L.F.
701022	INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 3-8	500.00	L.F.
701501	RESET EXISTING STONE CURB	500.00	L.F.
701502	STONE CURB	1,000.00	L.F.
705001	P.C.C. SIDEWALK, 4"	1,300.00	S.F.
705002	P.C.C. SIDEWALK, 6"	1,000.00	S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	350.00	S.F.

---

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 24 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016  
OPEN END

---

CONTRACT QUANTITIES SUMMARY SHEET

705008	CURB RAMP, TYPE 1	200.00	S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	7,000.00	S.F.
705504	BRICK AND/OR BLOCK SIDEWALK	2,500.00	S.F.
705505	RESET STONE/BRICK SIDEWALK AND/OR STONE/BRICK ROADWAY	3,500.00	S.F.
705506	BRICK AND/OR BLOCK ROADWAY	2,000.00	S.F.
708050	DRAINAGE INLET, 34" X 18"	5.00	EACH
708051	DRAINAGE INLET, 34" X 24"	3.00	EACH
708060	REPLACE DRAINAGE INLET GRATE(S)	30.00	EACH
708061	REPLACE DRAINAGE INLET FRAME(S)	20.00	EACH
708585	JUNCTION BOX, 48" X 30"	2.00	EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	30.00	EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	75.00	EACH
712005	RIPRAP, R-4	10.00	S.Y.
713003	GEOTEXTILES, RIPRAP	10.00	S.Y.
714003	DITCHING	100.00	L.F.
715001	PERFORATED PIPE UNDERDRAINS, 6"	100.00	L.F.
718000	ROOF DRAINS	70.00	L.F.
727502	ADJUSTING EXISTING MONUMENT BOX	30.00	EACH
741001	TREE REMOVAL 6" TO 10.9"	12.00	EACH
741002	TREE REMOVAL 11" TO 14.9"	12.00	EACH
741003	TREE REMOVAL 15" TO 18.9"	6.00	EACH
741004	TREE REMOVAL 19" TO 24.9"	1.00	EACH
743003	ARROWPANELS, TYPE C	100.00	EA-DY
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	50.00	EA-DY
743009	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE I	50.00	EA-DY
743050	FLAGGER, NEW CASTLE COUNTY, STATE	1,000.00	HOURL
743062	FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	125.00	HOURL

---

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201603109

PAGE 25 OF 25

NORTH MAINTENANCE COMMUNITY TRANSPORTATION FUND, CITY OF WILMINGTON, 2016  
OPEN END

---

CONTRACT QUANTITIES SUMMARY SHEET

746774	SUPPLY AND INSTALLATION OF LOOP DETECTOR WIRE	190.00	L.F.
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	225.00	S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	1,400.00	L.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	1,000.00	L.F.
750000	ADJUST WATER VALVE BOXES	45.00	EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	4,000.00	S.Y.
760000	PAVEMENT - MILLING, HOT-MIX	10,000.00	SY-IN
760006	PAVEMENT - MILLING, HOT-MIX, 2" DEPTH	35,000.00	S.Y.
760502	PAVEMENT MILLING, TAPER CUT	300.00	SY-IN
761001	BUTT JOINTS, HOT MIX	450.00	S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	5,000.00	L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	3,000.00	L.F.
763000	INITIAL EXPENSE		LUMP SUM
763547	ROAD LOCATION MOBILIZATION, ZONE 4	6.00	EACH
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE		LUMP SUM
908001	TOPSOIL (TON)	100.00	TON
908016	PERMANENT GRASS SEEDING, SUBDIVISION	250.00	S.Y.
908020	EROSION CONTROL BLANKET MULCH	250.00	S.Y.