

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
MAINTENANCE SUPPORT – SOUTH DISTRICT
PLANS AND SPECIFICATIONS FOR:

CONTRACT NO: T201603301 P6 No: 16-00771

CONTRACT TITLE: COMMUNITY TRANSPORTATION FUND,
OPEN END, SOUTH, 2016

PLANS PREPARED BY: TIM PHILLIPS (DESIGN TECHNICIAN)

PLANS REVIEWED BY: *F. Van Allen* DATE: 8/26/15
MAINT. SUPPORT MANAGER

<p>DATE RECOMMENDED: <u>08.26.15</u></p> <p>ASSISTANT MAINT. ENGINEER: <u><i>Jason McCluskey</i></u></p>	
<p>DATE RECOMMENDED: <u>8-25-15</u></p> <p>MAINTENANCE ENGINEER: <u><i>[Signature]</i></u></p>	
<p>DATE RECOMMENDED: <u><i>[Signature]</i></u></p> <p>SOUTH DISTRICT ENGINEER: <u>8/26/15</u></p>	

SOUTH DISTRICT

COMMUNITY TRANSPORTATION FUND, OPEN END, SOUTH, 2016

CONTRACT DESCRIPTION

THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND / OR STREETS AT VARIOUS LOCATIONS THROUGHOUT SUSSEX COUNTY AS REQUESTED BY LEGISLATORS. IT SHALL ADDRESS LEGISLATOR AND COMMUNITY NEEDS IN A TIMELY MANNER, AS FUNDING IS MADE AVAILABLE. THE METHODS FOR ADDRESSING THESE NEEDS COULD INCLUDE WARM MIX PATCHING, WARM MIX OVERLAYS, DRAINAGE WORK AND ANY INCIDENTALS NEEDED TO COMPLETE THE LEGISLATOR'S REQUESTS.

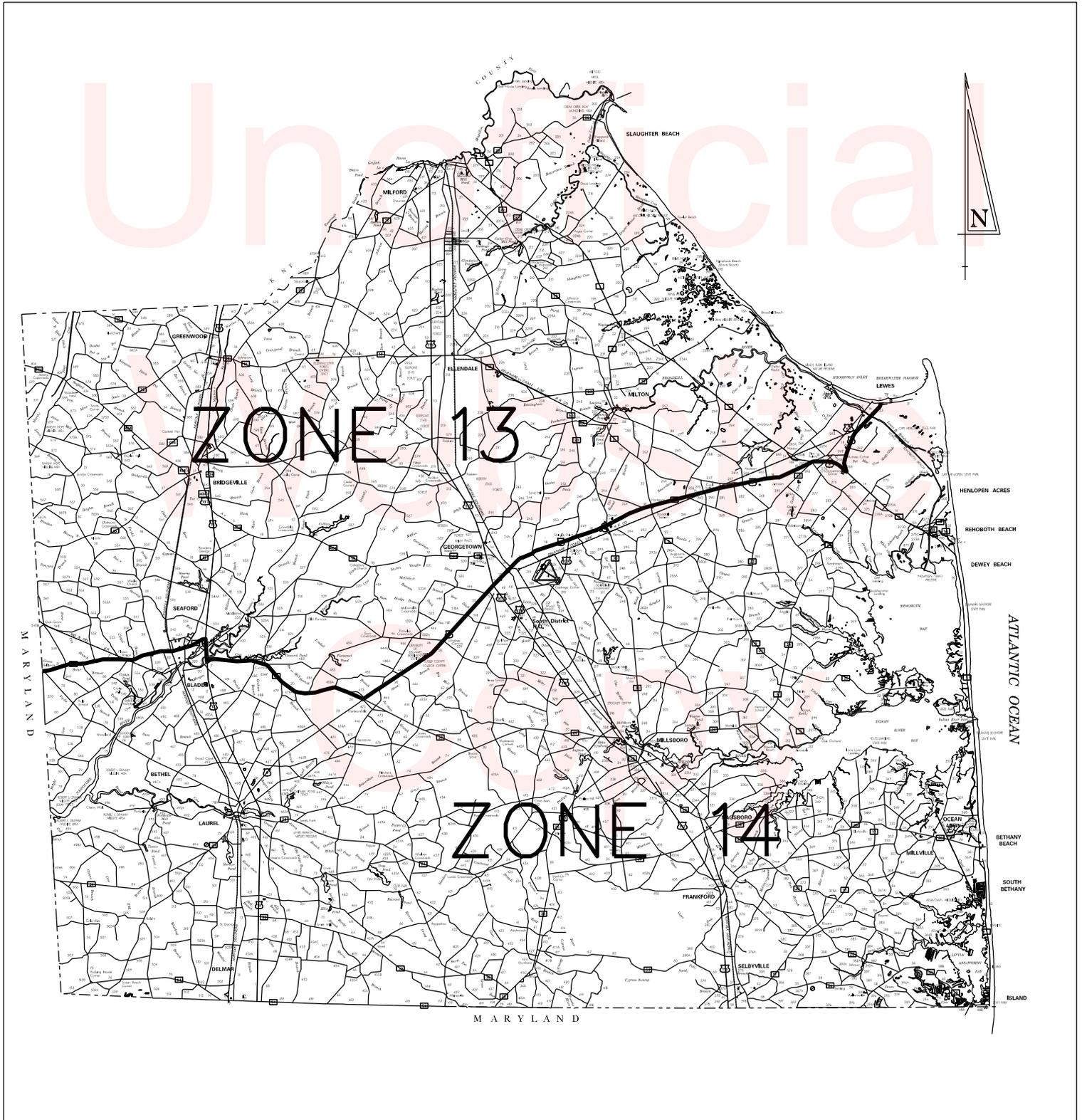
THE SPECIFIC WORK SITES ARE NOT LISTED HEREIN, BUT WILL BE ASSIGNED BY THE SOUTH DISTRICT MAINTENANCE SUPPORT OFFICE AS LOCATIONS ARE FUNDED.

1. THE DELDOT PROJECT MANAGER IS RESPONSIBLE FOR ENSURING ANY REQUIRED DOCUMENTS AND ANALYSIS AS PART OF THE ADOPTED WORK ZONE SAFETY AND MOBILITY PROCEDURES AND GUIDELINES THAT HAVE BEEN COMPLETED PRIOR TO ANY WORK STARTING ON THIS CONTRACT.
2. IT IS ANTICIPATED THAT ALL WORK WILL OCCUR WITHIN DELDOT'S RIGHT OF WAY. SHOULD THE NEED OCCUR TO TRESPASS ONTO RAILROAD PROPERTY, INCLUDING THE HIGHWAY-RAIL CROSSING; IT WILL BE THE RESPONSIBILITY OF THE DELDOT PROJECT MANAGER TO CONTACT THE RAILROAD CHIEF ENGINEER AND OBTAIN WRITTEN AUTHORIZATION PRIOR TO SUCH WORK.

THE CONTRACTOR, HOWEVER, SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED CLEARANCES AND INSURANCES FOR EACH RAILWAY COMPANY INVOLVED IF THE RAILROAD PROPERTY AND/OR FACILITIES ARE LOCATED WITHIN OR NEAR THE PROPOSED LIMITS OF WORK AND/OR IF THE PROPOSED WORK ENCROACHES UPON THE RAILROAD'S RIGHT OF WAY; IN ACCORDANCE WITH DELDOT MAINTENANCE OF RAILROAD TRAFFIC ITEM NO. 763502. THE CONTRACTOR MUST CONTACT DELDOT'S RAILROAD SECTION MANAGER AT 302-760-2183 PRIOR TO ANY WORK STARTED TO COORDINATE THE EXECUTION OF THE APPROPRIATE AGREEMENTS AND AUTHORIZATIONS REQUIRED FROM ANY RAILWAY COMPANY INVOLVED, INCLUDING COORDINATION OF RAILROAD FLAGGING, IF NECESSARY.

3. 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 DELDOT PROJECT MANAGER TO SECURE SUCH TRESPASS NEEDS PRIOR TO SUCH WORK.
4. 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, THE CONTRACTOR SHALL CONTACT THE DELDOT PROJECT MANAGER PRIOR TO SUCH WORK.
5. NO UTILITY RELOCATION 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.
6. THE DELDOT 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.) IN ADVANCE OF THE START OF THE ACTIVITY.

MOBILIZATION ZONE MAP



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GENERAL CONTRACT NOTES

1. CONSTRUCTION OF THIS CONTRACT SHALL CONFORM TO DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED AUGUST 2001 AS AMENDED BY THE SUPPLEMENTAL SPECIFICATIONS, THE SPECIAL PROVISIONS, THE MOST RECENT STANDARD CONSTRUCTION DETAILS, THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THESE PLANS.
2. THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS WITHIN THE DISTRICT HEREIN SPECIFIED. IN LIEU OF SECTION 104.05 OF THE STANDARD SPECIFICATIONS AND DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE QUANTITIES TO THIS CONTRACT. SUCH QUANTITY ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. NO ITEM PRICES ARE TO BE RENEGOTIATED DUE TO EITHER AN INCREASE OR DECREASE IN QUANTITY USAGE RESULTING FROM SAID ADDITIONS OR DELETIONS.
3. 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. DETAILS SHALL INCLUDE A DESCRIPTION OF EACH WORK ACTIVITY, THE PLANNED DAYS OF WORK, MULTIPLE CREWS OR SHIFTS, AND SCHEDULED WORKING HOURS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.
4. THIS CONTRACT SHALL EXPIRE ONE CALENDAR YEAR FROM THE DATE OF THE NOTICE TO PROCEED. THE DEPARTMENT RESERVES THE RIGHT TO REQUEST TO EXTEND THE CONTRACT FOR AN ADDITIONAL ONE (1) YEAR TERM AT THE ORIGINAL UNIT BID PRICES SPECIFIED. ANY EXTENSION MUST BE APPROVED BY BOTH PARTIES IN WRITING PRIOR TO EXPIRATION OF THE EXISTING CONTRACT. THE PERFORMANCE BOND SHALL BE SUBMITTED WITH THE CONTRACT EXECUTION AND SHALL BE SUBJECT TO ANY SUCH AGREED UPON RENEWAL FOR EXTENSION PERIODS. INITIAL EXPENSE SHALL ONLY BE PAID ONCE AND SHALL NOT BE PAID A SECOND TIME UPON AN EXTENSION OF THE CONTRACT. ANY ADDITIONAL EXPENSES RELATED TO THE EXTENSION OF THE CONTRACT MUST BE DOCUMENTED AND SHALL BE AGREED TO PRIOR TO CONTRACT EXTENSION.
5. THE WORK WILL BE SCHEDULED VIA WORK ORDERS FROM THE DISTRICT. WORK LOCATIONS WILL VARY IN SIZE. THE WORK ORDERS WILL INDICATE THE WORK TO BE PERFORMED AT EACH LOCATION.
6. THE LOCATIONS OF THE WORK TO BE PERFORMED ARE INCLUDED IN DESIGNATED MOBILIZATION ZONES. THE MOBILIZATION ZONE LIMITS ARE SHOWN ON THE MOBILIZATION ZONE MAP IN THE CONTRACT DOCUMENTS. THE BOUNDARIES OF THE ZONES ARE FORMED BY ROADS, COUNTY LINES, BODIES OF WATER, ETC.
7. ONE MOBILIZATION FEE SHALL BE PAID FOR EACH MOVE INTO A MOBILIZATION ZONE, WHICH SHALL COVER ALL LOCATIONS WITHIN THAT MOBILIZATION ZONE AND ALL WORK ORDERS ISSUED WITHIN THAT ZONE. A SEPARATE MOBILIZATION FEE WILL NOT BE PAID FOR EACH INDIVIDUAL LOCATION. NO MOBILIZATION FEE WILL BE PAID IF A NEW WORK ORDER IS ISSUED WHILE WORK ON A PREVIOUS WORK ORDER IS ONGOING IN THAT ZONE. A SEPARATE MOBILIZATION FEE WILL ONLY BE PAID IF THE CONTRACTOR IS DIRECTED BY THE DEPARTMENT TO MOVE FROM THE MOBILIZATION ZONE IN WHICH THE CONTRACTOR IS PRESENTLY WORKING OR INCLEMENT WEATHER CAUSES A SUBSTANTIAL DELAY IN THE WORK. A SUBSTANTIAL DELAY DUE TO INCLEMENT WEATHER SHALL BE DEFINED AS FOURTEEN OR MORE CALENDAR DAYS. PAYMENT OF ANY MOBILIZATION FEES SHALL BE AGREED UPON BETWEEN THE CONTRACTOR AND THE DEPARTMENT, IN WRITING, PRIOR TO WORK COMMENCING.

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GENERAL CONTRACT NOTES (CONT.)

8. THE CONTRACTOR SHALL COMMENCE WORK INDICATED ON THE WORK ORDER NO LATER THAN THE SEVENTH (7TH) WORKING DAY AFTER ISSUANCE UNLESS REQUIRED MATERIALS ARE NOT AVAILABLE. NON-AVAILABILITY OF MATERIALS SHALL BE VERIFIED BY AT LEAST THREE (3) DIFFERENT SOURCES. VERIFICATION SHALL BE FORMAL AND SUPPLIED BY THE CONTRACTOR IN WRITING. IF THERE IS A VERIFIED NON-AVAILABILITY OF MATERIALS, TIME CHARGES SHALL COMMENCE ON THE FIRST (1ST) WORKING DAY FOLLOWING THE DELIVERY DATE OF SAID MATERIALS.
9. ISSUANCE OF EACH WORK ORDER CONSTITUTES THE NOTICE TO PROCEED WITH THE WORK DESCRIBED ON THE WORK ORDER. FAILURE TO COMPLY WITH THE WORK ORDER COMPLETION DATE WILL RESULT IN CHARGED LIQUIDATED DAMAGES BASED ON EACH WORK ORDER AND SECTION 108 () OF THE STANDARD SPECIFICATIONS.
10. EACH WORK ORDER SHALL BE CONSIDERED A SEPARATE UNIT OF WORK. THE ENGINEER WILL MAKE PAYMENT MONTHLY FOR THE COMPLETED WORK AS OUTLINED IN SECTION 109.07. UPON THE SUBSTANTIAL COMPLETION OF THE WORK AT AN INDIVIDUAL LOCATION, THE ENGINEER WILL STOP TIME AT THAT LOCATION AND PERFORM A SEMI-FINAL INSPECTION FOR THE WORK ORDER LOCATION IN ACCORDANCE WITH SUBSECTION 105.20. IF THE WORK IS SATISFACTORILY COMPLETED, THE ENGINEER WILL RELEASE THE CONTRACTOR FROM MAINTENANCE RESPONSIBILITY FOR THAT LOCATION. THE ENGINEER RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO ADD WORK OR MAKE REPAIRS TO COMPLETED LOCATIONS AT THE DEPARTMENT'S EXPENSE UNTIL SUCH A LOCATION HAS BEEN ACCEPTED BY THE DEPARTMENT. THE CONTRACTOR MUST REPAIR ALL DEFECTS IN THE WORK CAUSED BY POOR WORKMANSHIP OR MATERIALS AT THEIR OWN EXPENSE UNTIL THE DEPARTMENT PERFORMS A FINAL INSPECTION AND ACCEPTS THE CONTRACT. A FINAL INSPECTION WILL BE COMPLETED ON AN ANNUAL BASIS FOR WORK ORDERS COMPLETED IN A CALENDAR YEAR. UPON SATISFACTORY COMPLETION OF THE FINAL PUNCH LIST, THE DEPARTMENT WILL ACCEPT THE LOCATION AND RELEASE THE CONTRACTOR FROM RESPONSIBILITY FOR THE WORK AT THAT LOCATION. IF A WORK ORDER IS SUFFICIENTLY LARGE AND COMPLEX AS DETERMINED BY THE ENGINEER, A FINAL INSPECTION MAY BE HELD UPON THE COMPLETION OF THAT WORK ORDER.
11. ALL WORK ADDED SHALL BE PERFORMED AT CONTRACT UNIT PRICES. IN THE CASE WHERE CONTRACT UNIT PRICES ARE NOT AVAILABLE THE PRICES ARE TO BE NEGOTIATED PRIOR TO THE COMMENCEMENT OF WORK.
12. ANY AND ALL CONSTRUCTION ENGINEERING SHALL BE INCIDENTAL TO THE CONTRACT.

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PROJECT NOTES

13. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.
14. ALL SUBDIVISIONS SHALL USE A TYPE C WARM MIX MIXTURE THAT SHALL MEET THE REQUIREMENTS FOR A 9.5MM (3/8") NOMINAL MAXIMUM AGGREGATE SIZE FOR SUPERPAVE MIXTURE.
15. THE PURPOSE OF THE WARM MIX WEDGE COURSE, WHEN SPECIFIED, IS TO REMOVE EXISTING EXCESSIVE CROWN RESULTING IN A FINAL CROSS SLOPE OF BETWEEN 2% AND 4% OR AS DIRECTED BY THE ENGINEER.
16. A 2.5" OVERLAY SHALL BE 2 EQUAL LIFTS OF 1¼" OF TYPE C HOT MIX. A 3" OVERLAY SHALL BE 2 EQUAL LIFTS OF TYPE C HOT MIX. A 3½" OVERLAY SHALL BE A 1¼" TYPE C LIFT OVER A 2¼" TYPE B LIFT UNLESS OTHERWISE NOTED IN THE PLANS.
17. THE MINIMUM AND MAXIMUM SINGLE LIFT THICKNESSES OF MATERIALS SHALL BE AS FOLLOWS:
 - A. -TYPE C WARM-MIX: 1.25" - 2.00"
 - B. -TYPE B WARM-MIX: 2.25" - 4.00"
 - C. -BCBC: 3.00" - 6.00"
 - D. -GABC: 2.00" - 8.00"
18. ITEM NO. 401696; ENTRANCE, DRIVEWAY & INTERSECTING STREET PAVING SURCHARGE SHALL BE USED FOR STATE NUMBERED ROADS ONLY AND SHALL NOT BE USED WITHIN ANY SUBDIVISION OR DEVELOPMENT.
19. THE COST OF CLIPPING BACK THE EDGES OF THE ROADWAY, SHOULDERS, AND THE FIRST 3' OF UNPAVED DRIVEWAY ENTRANCES, PICKING UP AND DISPOSING OF WASTE AND EXCESS MATERIAL, AND CLEANING THE EXISTING PAVEMENT PRIOR TO OVERLAY SHALL BE INCIDENTAL TO SECTION 401. PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/ OR 302005.
20. BUTT JOINTS SHALL BE PLACED AT ALL INTERSECTING BITUMINOUS ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE STANDARD DETAIL OR LOCATION NOTES. BUTT JOINTS CUT PRIOR TO THE DAY OF THE PAVEMENT OVERLAY SHALL BE RAMPED WITH WARM MIX TRM. TRM SHALL BE INCIDENTAL TO THE BUTTJOINT ITEM. IN AREAS TO BE MILLED, THERE WILL BE NO SEPARATE PAYMENT FOR BUTT JOINTS.
21. AFTER PAVEMENT MILLING, ALL TRANSVERSE VERTICAL DIFFERENCES, RAISED EDGES OF MANHOLES, CATCH BASINS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH WARM-MIX TRM AT A 20:1 OR FLATTER SLOPE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. PAVEMENT MILLINGS WILL NOT BE ALLOWED FOR THIS PURPOSE. ALL TRM SHALL BE INCIDENTAL TO THE MILLING ITEM.
22. TAPER MILLING IS INTENDED FOR MILLING IN THE AREA OF FIXED STRUCTURES (I.E. CURBS GUARDRAIL, ETC.). THE MILLED DEPTH AT THE STRUCTURE SHALL BE THE DEPTH OF THE PROPOSED OVERLAY AND 0" AT A DISTANCE OF +/- 6½' FROM THE STRUCTURE. THE COMPUTED DEPTH FOR PAYMENT PURPOSES IS THE AVERAGE OF THE TWO DEPTHS.
23. ALL MILLED MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE STATED.
24. ALL PAVING, INCLUDING TURN LANES, SHOULDERS AND INTERSECTIONS, IS TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF EACH DAY'S MILLING OPERATION. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

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PROJECT NOTES (CONT.)

25. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBS, ETC. SO AS TO NOT DISTURB THE EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTH. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATION MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE REMAINING AFTER MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING ITEMS AND/OR RECLAMATION ITEMS.
26. THE COST OF FINE GRADING, COMPACTING, AND PREPARING EXISTING SHOULDERS FOR PAVING SHALL BE INCIDENTAL TO SECTIONS 401().
27. ITEM 908001, TOPSOIL SHALL BE USED TO FILL SHOULDER AREAS ADJACENT TO NEW WARM MIX ASPHALT PATCHING UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
28. ALL ADJUSTMENTS SHALL BE MADE NO MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF WARM MIX UNLESS OTHERWISE APPROVED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.
29. ALL PORTLAND CEMENT CONCRETE MUST BE RECEIVED FROM AN APPROVED PRODUCTION PLANT UNLESS OTHERWISE APPROVED BY THE ENGINEER. ONLY CALIBRATED VOLUMETRIC CONCRETE TRUCKS WILL BE PERMITTED TO PROVIDE ON-SITE MIXTURES. THIS PERTAINS TO BOTH WORK OCCURRING DURING NORMAL WORKING HOURS AND NIGHTTIME RESTRICTED WORK.
30. DRAINAGE INLETS, WHICH ARE 4' OR GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 708() OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 710001.
31. DRAINAGE INLET GRATES ADJACENT TO PAVEMENT BEING OVERLAYED AND WHICH ARE NOT THE 45 DEGREE TYPE SHALL BE REPLACED. AT LOCATIONS WHERE NO PATCHING IS DESIGNATED, THIS TYPE OF GRATE SHALL BE REPLACED ONLY WHEN THE CATCH BASIN IS TO BE ADJUSTED AND/OR REPAIRED. 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 INCLUDED IN OTHER APPROPRIATE BID ITEMS. FINAL PAYMENT FOR REPLACED GRATES/FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY DELDOT MAINTENANCE YARD SUPERVISOR. THIS COST FOR THE WORK SHALL BE NEGOTIATED PRIOR TO THE REPLACEMENT OF ANY DRAINAGE INLET GRATES.
32. THE PORTLAND CEMENT CONCRETE USED WITHIN ITEM 710002 - ADJUST AND REPAIR EXISTING MAN HOLES AND ITEM 750000 - ADJUST WATER VALVE BOX SHALL CONFORM TO THE REQUIREMENTS OF CLASS A CONCRETE AS STATED WITHIN SECTION 503.02 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.
33. WHERE SIDEWALKS EXIST WITHIN THE LOCATION LIMITS, CURB RAMPS SHALL BE EITHER NEWLY INSTALLED OR RETROFITTED AS DIRECTED BY THE ENGINEER IN COMPLIANCE WITH THE MOST CURRENT DELAWARE STANDARD CONSTRUCTION DETAILS OR AS SHOWN ON THE PLANS. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CURB RAMP AND DETECTABLE WARNING SYSTEM ITEMS.

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PROJECT NOTES (CONT.)

34. THE CONTRACTOR, PRIOR TO LAYING A RUN OF DRAINAGE PIPE OR OTHER INVOLVED CONSTRUCTION, SHALL EXCAVATE WITHIN THE ALIGNMENT AT POINTS OF POSSIBLE CONFLICT TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER. ANY UTILITY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER AND A REPRESENTATIVE OF UTILITY OWNER. EXCAVATING AND BACKFILLING OF THE TEST HOLES SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM 208000, EXCAVATION AND BACKFILL FOR PIPE TRENCHES, BUT ONLY TO THE ACTUAL DEPTH EXCAVATED.
35. FOR THIS CONTRACT, SECTION 612 OF THE STANDARD SPECIFICATIONS SHALL BE MODIFIED SUCH THAT PAYMENT FOR PIPE EXCAVATION AND BACKFILLING WILL BE MEASURED AND PAID REGARDLESS OF THE PIPE SIZE TO BE UTILIZED.
36. EXCAVATION FOR P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE BID PRICE FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BE REMOVED FROM THE PROJECT AT THE CONTRACTORS EXPENSE. ITEM 908001, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK WHEN SO DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL. WHEN REPLACEMENT OF CURB AND GUTTER HAS BEEN COMPLETED AND THE FORMS REMOVED AT EACH LOCATION OF THIS CONTRACT, BACKFILLING SHALL BE DONE IMMEDIATELY. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.
37. ALL DEWATERING METHODS, UP TO AND INCLUDING THE USE OF A 4" PORTABLE PUMP OR EQUAL, INCLUDING MULTIPLE PUMPS, WITH THE ABILITY TO PUMP UP TO 700 GAL/MIN, SEDIMENT BAGS, SAND BAGS, TRENCH BOXES AND ANY OTHER ITEMS NECESSARY TO COMPLETE THE INTALLATION OF THE PIPE ARE INCIDENTAL TO THE CORRESPONDING PIPE ITEM.
38. REMOVAL AND DISPOSAL OF EXISTING PIPES THAT ARE TO BE REPLACED SHALL BE PAID UNDER ITEM # 208000, EXCAVATION AND BACKFILLING FOR PIPE TRENCHES. NO ADDITIONAL PAYMENT WILL BE MADE TO REMOVE OR DISPOSE OF EXISTING PIPES.
39. ITEM 714000 SHALL BE USED AS DIRECTED TO PAY FOR NEW DITCHING. THIS ITEM SHALL NOT BE USED TO PAY FOR ANY SWALING OVER NEWLY INSTALLED PIPE; AS SUCH WORK IS INCIDENTAL TO ITEM 208000 EXCAVATION AND BACKFILLING FOR PIPE TRENCHES.
40. THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.

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MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS

41. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL REASONABLY PROVIDE THE LEAST PRACTICAL OBSTRUCTION TO ALL ROAD USERS, INCLUDING VEHICULAR, PEDESTRIAN AND BICYCLE TRAFFIC AND SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PART 6, HEREIN REFERRED TO AS THE TRAFFIC CONTROL MANUAL (INCLUDING REVISIONS IN EFFECT AT THE TIME OF ADVERTISEMENT FOR BIDS).
42. AT THE PRECONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT TO THE SOUTH DISTRICT SAFETY OFFICER THE NECESSARY NCHRP 350 / MASH CERTIFICATIONS FOR ALL TRAFFIC CONTROL DEVICES EXPECTED TO BE USED ON THE CONTRACT. IN ADDITION, PRIOR TO THE START OF ANY WORK ORDER, THE CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN INCLUDING ANY ADDITIONAL NCHRP 350 / MASH CERTIFICATIONS NOT PREVIOUSLY SUBMITTED. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION.
43. ALL REQUIRED MAINTENANCE OF TRAFFIC WARNING SIGNS SHALL BE PAID FOR UNDER ITEM 743024, TEMPORARY WARNING SIGNS AND PLAQUES. ALL WARNING SIGNS SHALL BE DIAMOND GRADE RETRO REFLECTIVE. WOOD SHEETING IS NOT PERMITTED.
44. NO SEPARATE PAYMENT SHALL BE MADE FOR THE USE OF TRAFFIC CONES. TRAFFIC CONES AND/OR WORK ASSOCIATED WITH THEIR USE SUCH AS SET UP, REMOVAL, CLEANING, ETC., SHALL BE INCIDENTAL TO THE WORK FOR WHICH THEY PROTECT.
45. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE TRAFFIC CONTROL MANUAL. PLEASE NOTE THAT AS OF JANUARY 4, 2010, THERE ARE NEW SHEETING REQUIREMENTS FOR ALL SIGNS, CHANNELIZING DEVICES, ETC.
46. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION, SHALL COMPLY WITH THE TRAFFIC CONTROL MANUAL, SHALL BE NCHRP 350 / MASH APPROVED, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
47. ALL TRAFFIC CONTROL DEVICES SHALL BE SUITABLY MAINTAINED AT ALL TIMES, INCLUDING SUCH MAINTENANCES AS WASHING SIGN FACES, REPLACING DEFICIENT BATTERIES AND LIGHTS, ALIGNING PROPERLY, REPLACING REFLECTIVE MATERIALS, RELOCATING BARRIERS, AND ANY OTHER MAINTENANCE OF TRAFFIC CONTROL DEVICES DEEMED NECESSARY BY THE ENGINEER OR DESIGNEE TO MAINTAIN TRAFFIC IN A SAFE AND EFFECTIVE MANNER.
48. 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 BY THE CONTRACTOR, WHO SHALL BE RESPONSIBLE FOR ANY 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.
49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH OTHER CONTRACTORS IN THE AREA.
50. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE TRAFFIC MANAGEMENT CENTER (1-302-659-4600) IS NOTIFIED EACH AND EVERY DAY WHEN WORK IS BEING PERFORMED IN STATE RIGHT OF WAY. THE CONTRACTOR MUST IDENTIFY THE TYPE OF WORK, ANY LANE/S OR SHOULDERS CLOSED, LENGTH OF TIME FOR WORK, WHEN THE LANE RESTRICTION IS IN PLACE AND WHEN THE LANE RESTRICTION IS PICKED UP, CONTACT PERSON/NUMBER AND STATE INSPECTOR.

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MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (CONT.)

51. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE LOCAL 911 CENTER, LOCAL SCHOOLS, AND THE DELDOT PUBLIC INFORMATION CENTER OF ALL ROADS AND LANES TO BE CLOSED A MINIMUM OF SEVEN CALENDAR DAYS BEFORE THE CLOSURE. IF TEMPORARILY BLOCKING ACCESS TO A FIRE HYDRANT, NOTIFICATION MUST BE GIVEN TO SUSSEX COUNTY, THE LOCAL FIRE FIGHTING AUTHORITIES, AND THE 911 CENTER.
52. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN FACILITIES AT ALL TIMES DURING CONSTRUCTION. EARTH, STONE AND GRAVEL SURFACES ARE NOT ACCEPTABLE FOR PROVIDING PEDESTRIAN ACCESS. WHERE PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED USING TA-28 OR TA-29 OF THE TRAFFIC CONTROL MANUAL OR TO THE SATISFACTION OF THE ENGINEER AND SHALL BE ADA COMPLIANT. THE COST FOR ANY PROVISIONS ON OPEN END CONTRACTS SHALL BE NEGOTIATED PRIOR TO THE COMMENCEMENT OF WORK, WHILE THESE COSTS ON KNOWN LOCATION CONTRACTS SHALL BE INCIDENTAL TO ITEM 763643 – MAINTENANCE OF TRAFFIC, ALL INCLUSIVE.

PEDESTRIAN MAINTENANCE OF TRAFFIC: THIS WORK SHALL CONSIST OF PROVIDING AND MAINTAINING AN ACCESSIBLE PEDESTRIAN ROUTE THROUGHOUT THE PROJECT'S LIMITS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1960 (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 PRACTICAL THE EXISTING PEDESTRIAN FACILITIES.
- MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES.
- PROVIDE PEDESTRIAN ACCESS THROUGH OR AROUND THE WORK ZONE. IF A DETOUR IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.
- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION / SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.
- TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS AND FEATURES SHALL NOT PROTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.
- SIGNS AND OTHER DEVICES MOUNTED LOWER THAN 7 FT ABOVE THE TEMPORARY PEDESTRIAN PATHWAY SHALL NOT PROJECT MORE THAN 4" INTO ACCESSIBLE PEDESTRIAN ROUTE.

A SMOOTH, CONTINUOUS HARD SURFACE SHALL BE PROVIDED THROUGHOUT THE ENTIRE LENGTH AND WIDTH OF THE PEDESTRIAN ROUTE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO CURBS OR VERTICAL ELEVATION CHANGES GREATER THAN ¼" IN GRADE OR TERRAIN THAT COULD CAUSE TRIPPING OR BE A BARRIER TO WHEELCHAIR USE.

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SOUTH DISTRICT

COMMUNITY TRANSPORTATION FUND, OPEN END, SOUTH, 2016

MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (CONT.)

53. ALL PERSONS WORKING WITHIN THE STATE RIGHT-OF-WAY SHALL WEAR A MINIMUM OF AN ANSI CLASS II SAFETY VEST MEETING THE ANSI 107-2004 REQUIREMENTS.
54. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING PAVEMENT WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER OR DESIGNEE.
55. ALL ROADWAYS AND ENTRANCES NOT OPEN TO TRAFFIC SHALL BE CLOSED USING TYPE III BARRICADES AND SHALL BE PLACED PER THE TRAFFIC CONTROL MANUAL, SECTION 6F.63 & 6F.68.
56. WHEN REQUIRED BY THE DE MUTCD, PERMANENT ADVANCE WARNING SIGNS SHALL BE INSTALLED WITH THE LEGENDS "ROAD WORK 1500 FT", "ROAD WORK 1000 FT" AND "ROAD WORK 500 FT" IN ADVANCE OF THE WORK AREA IN BOTH DIRECTIONS. AN "END ROAD WORK" SIGN SHALL BE LOCATED 500 FEET DOWNSTREAM FROM THE WORK AREA. ON INTERSECTING ROADWAYS WITHIN THE PROJECT LIMITS, A "ROAD WORK AHEAD" SIGN SHALL BE PLACED AT DISTANCE NOT LESS THAN 500 FEET IN ADVANCE OF THE WORK AREA AND AN "END ROAD WORK" SIGN SHALL BE LOCATED 500 FEET DOWNSTREAM OF THE WORK AREA. ALL PERMANENT ADVANCE WARNING SIGNS SHALL BE GROUND MOUNTED ON TWO NCHRP-350 OR MASH APPROVED BREAK-AWAY POSTS AND SHALL BE MOUNTED IN COMPLIANCE WITH THE TRAFFIC CONTROL MANUAL. PERMANENT ADVANCE WARNING SIGNS SHALL BE MOUNTED AT A HEIGHT OF 7 FEET, MEASURED FROM THE ROADWAY TO THE BOTTOM OF THE SIGN. THE USE OF SKID MOUNTED SIGN SUPPORTS IS NOT ALLOWED UNLESS THE CONTRACTOR CAN DEMONSTRATE THAT A UTILITY CONFLICT EXISTS, WHICH SHALL BE VERIFIED BY THE ENGINEER; OR CONCRETE MEDIANS PREVENT THE INSTALLATION OF THE PERMANENT SIGNS IN THE APPROPRIATE LOCATION. THESE "PERMAMENT" SIGNS SHALL BE PAID AS ITEM 743024 ON OPEN END CONTRACTS. ON CONTRACTS WITH KNOWN LOCATIONS THESE SIGNS SHALL BE INCIDENTAL TO ITEM 763643.
57. THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
58. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS AND BUSINESSES WHO LIVE ADJACENT TO THE WORK ZONE A MINIMUM 48 HR. PRIOR WRITTEN NOTICE FOR THE START OF CONSTRUCTION WORK. THIS NOTIFICATION SHALL INCLUDE THE SCOPE OF WORK, WORKING HOURS, ANTICIPATED START AND COMPLETION DATES, CONTRACTOR NAME & ADDRESS, AND DELDOT CONTACT NUMBERS. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS CONTRACT. ANY TEMPORARY CLOSURE OF A DRIVEWAY FOR TIE-IN PURPOSES SHALL BE COORDINATED WITH THE ENGINEER AND/OR PROPERTY OWNER IN ADVANCE OF THE CLOSURE.
59. ALL ROADWAY EXCAVATION IN OR ADJACENT TO TRAVEL WAYS SHALL BE PROPERLY BACKFILLED AT THE END OF EACH DAY PRIOR TO TRAFFIC RETURNING TO UNRESTRICTED TRAVEL PER SECTION 6G.20 OF THE TRAFFIC CONTROL MANUAL. THIS INCLUDES ALL UTILITIES AND/OR OBSTACLES WITHIN OR ADJACENT TO THE TRAVEL WAYS AS OUTLINED IN THE TRAFFIC CONTROL MANUAL.
60. ALL STORAGE OF EQUIPMENT AND MATERIAL SHALL COMPLY WITH SECTION 6G.21 OF THE TRAFFIC CONTROL MANUAL.
61. ALL FLAGGERS SHALL COMPLY WITH CHAPTER 6E OF THE TRAFFIC CONTROL MANUAL.

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SOUTH DISTRICT

COMMUNITY TRANSPORTATION FUND, OPEN END, SOUTH, 2016

MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (CONT.)

62. PRIOR TO THE START OF WORK ON ANY WORK ORDER, THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS (INCLUDING BUT NOT LIMITED TO EXISTING STRIPING LENGTHS, LANE AND SHOULDER WIDTHS, TURN LANE LENGTHS, LOCATIONS OF STOP BARS, TURN ARROWS, CROSSWALKS AND RAILROAD CROSSINGS) THAT DEPICT THE EXISTING PAVEMENT MARKINGS FOR EACH PROJECT LOCATION. THESE DRAWINGS WILL BE REVIEWED BY THE DEPARTMENT'S TRAFFIC SECTION TO DETERMINE IF ANY CHANGES TO THE FINAL PAVEMENT MARKINGS ARE REQUIRED. FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
63. THE DEPARTMENT WILL PROVIDE STRIPING LAYOUT AT LOCATIONS WHERE NO PAVEMENT MARKINGS PREVIOUSLY EXISTED. IF DEPARTMENT FORCES PROVIDE STRIPING LAYOUT ON LOCATIONS WHERE MARKINGS PREVIOUSLY EXISTED, THEN THE CONTRACTOR SHALL REIMBURSE THE DEPARTMENT FOR THE LAYOUT COSTS.
64. FINAL PAVEMENT MARKINGS SHALL CONFORM TO ALL EXISTING PATTERNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE FINAL PAVEMENT MARKINGS SHALL BE PLACED WITHIN FIVE (5) CALENDAR DAYS AFTER THE COMPLETION OF THE PAVING. FAILURE TO COMPLY WILL RESULT IN SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.
65. YELLOW CENTERLINES SHALL BE CONTINUOUS AROUND MEDIAN ISLANDS. ALL DOUBLE YELLOW CENTERLINES SHALL BE PLACED IN A 5-6-5 CONFIGURATION (2 EACH, 5" YELLOW WITH A 6" GAP BETWEEN).
66. 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. AN ASPHALT SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED / REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
67. AT THE END OF EACH DAY'S OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY STRIPING SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT STRIPING. TEMPORARY PAVEMENT STRIPING MUST MATCH PERMANENT PAVEMENT STRIPING IN ALL REGARDS. TEMPORARY PAVEMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY MARKINGS IN GOOD CONDITION SUCH THAT THE PAVEMENT IS PROPERLY DELINEATED AT ALL TIMES. ANY REFRESHING OF THE TEMPORARY MARKINGS WILL BE AT THE CONTRACTOR'S EXPENSE.
68. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL BE REQUIRED TO SHOW PROOF THAT HE HAS SUFFICIENT APPROVED STRIPING MATERIALS ON HAND TO ENSURE STRIPING IS COMPLETED PRIOR TO FULLY OPENING ROADWAY TO TRAFFIC.
69. ALL MARKINGS THAT ARE NO LONGER IN USE AND CONFLICT WITH THE PAVEMENT MARKINGS IN USE BY THE TRAVELING PUBLIC ARE TO BE REMOVED AND MUST BE COMPLETELY OBLITERATED BY A METHOD APPROVED BY THE ENGINEER. PAINTING OVER THE CONFLICTING STRIPING WILL NOT BE ACCEPTED AS A METHOD OF REMOVAL. MAINTENANCE OF TRAFFIC, UNLESS OTHERWISE NOTED IN THE APPROVED PLANS, SHALL CONFORM TO THE APPROPRIATE TRAFFIC CONTROL TYPICAL APPLICATION FOUND IN THE LATEST VERSION OF THE TRAFFIC CONTROL MANUAL.
70. TRAFFIC DETECTION LOOPS SHALL BE PLACED IN THE FINAL WEARING SURFACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

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COMMUNITY TRANSPORTATION FUND, OPEN END, SOUTH, 2016

MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (CONT.)

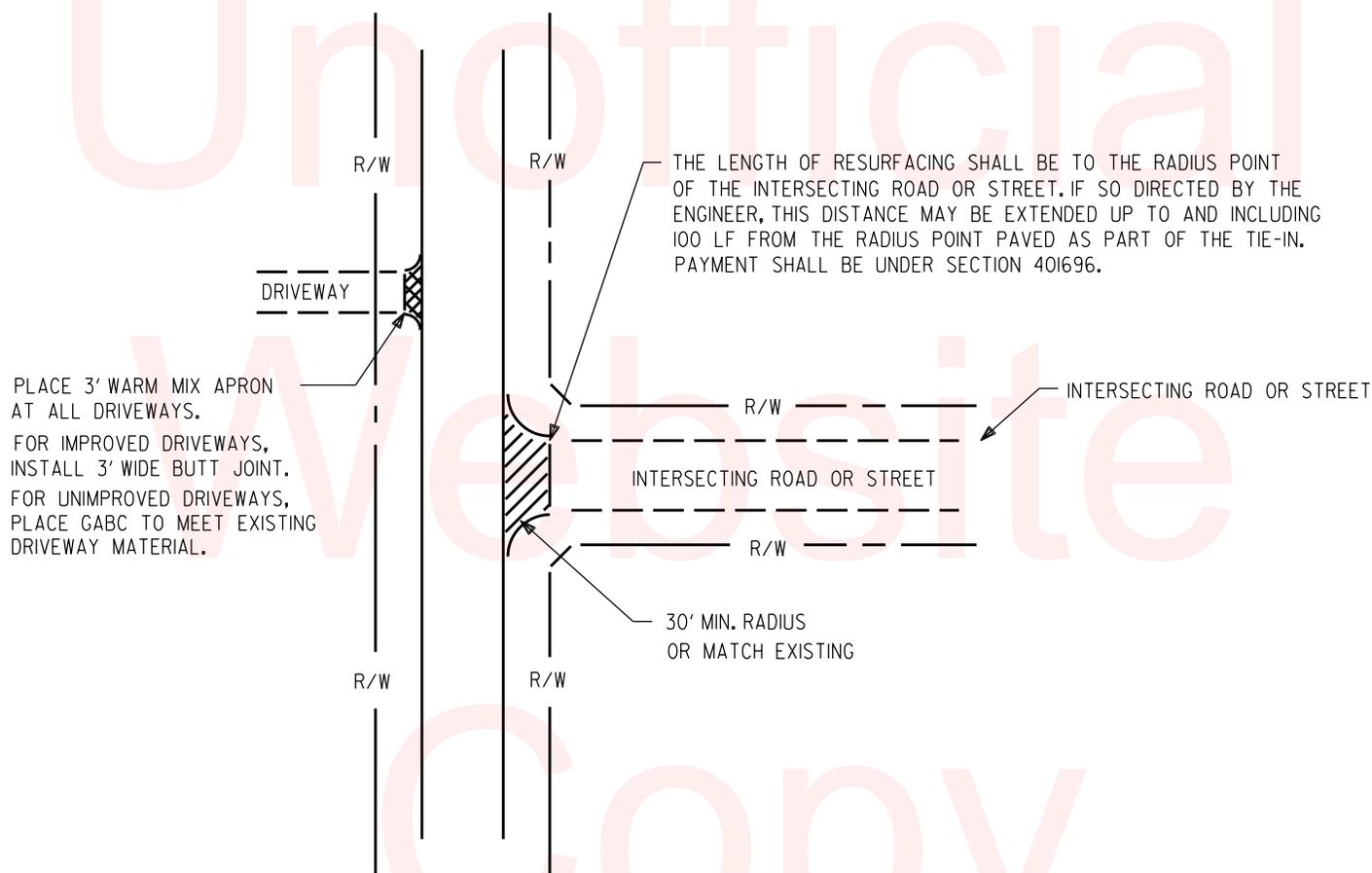
71. TRAFFIC DETECTION LOOPS THAT ARE CURRENTLY 5'X7' SHALL BE REPLACED WITH LOOPS THAT ARE 6'X6' AT THE SAME LOCATION. STOP BAR DETECTION LOOPS SHALL BE THE SAME SIZE AS CURRENTLY EXISTING, AND SHOULD BE PLACED STARTING TWO FEET BEHIND THE STOP BAR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF SEPARATE SIGNAL PLANS HAVE BEEN DEVELOPED, THE PLANS SUPERSEDE THIS NOTE.
72. STOP LINES "BARS" SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.16 OF THE LATEST TRAFFIC CONTROL MANUAL.
73. ALL CROSSWALKS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3B.18 OF THE LATEST TRAFFIC CONTROL MANUAL.

Unofficial

Website

Copy

DETAILS SHEET



INTERSECTING ROAD, STREET, AND DRIVEWAYS

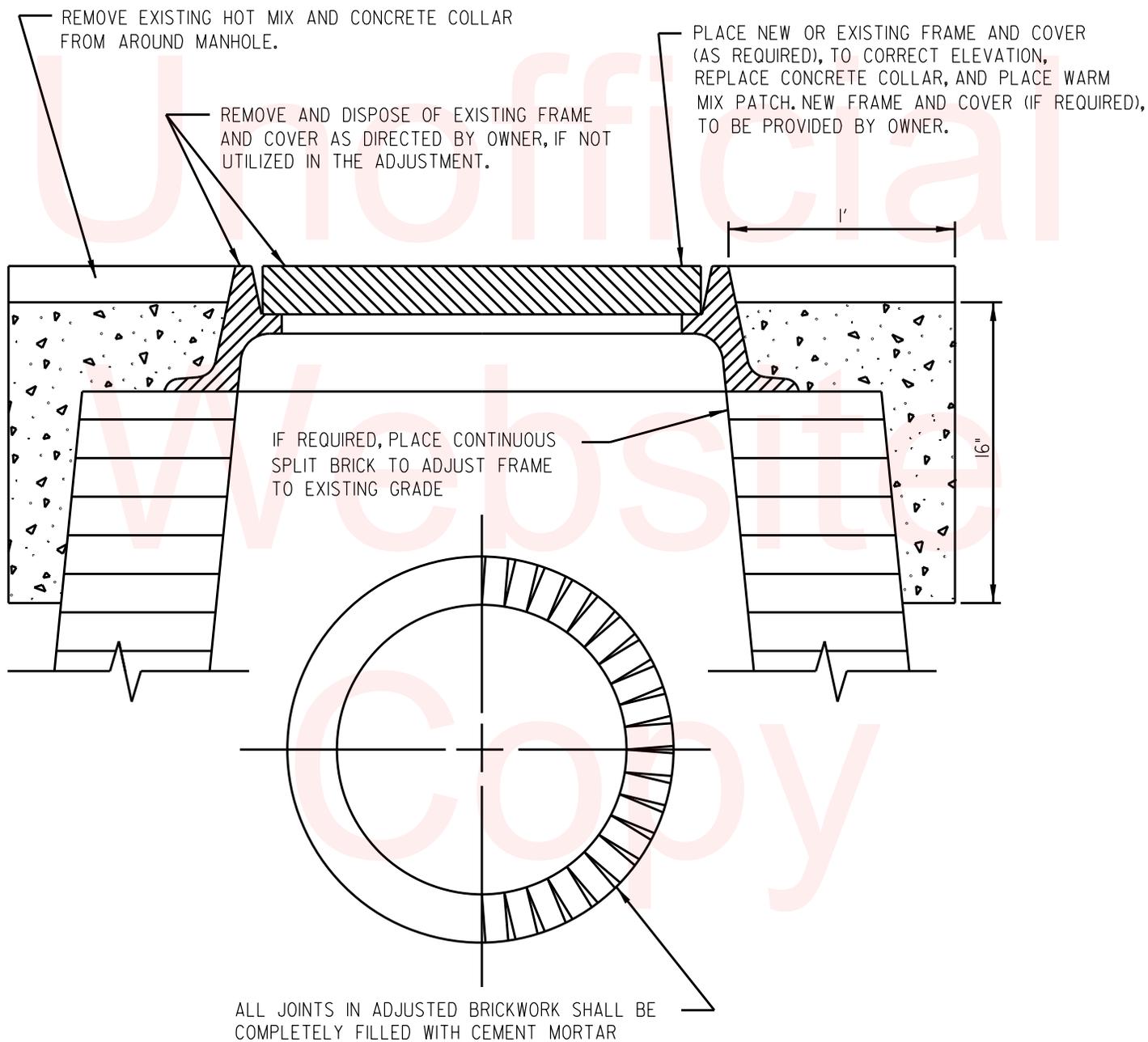
NOTES:

SECTION 401696 IS A SURCHARGE ONLY FOR ADDITIONAL LABOR AND EQUIPMENT FOR NON-MAINLINE PAVING. THE COST OF THE ACTUAL WARM-MIX PLACED SHALL BE PAID UNDER THE RESPECTIVE WARM MIX ITEM.

THIS PAYMENT WILL APPLY FOR STATE NUMBERED ROAD PAVING WORK ONLY. THIS ITEM / PAYMENT DOES NOT APPLY TO SUBDIVISION STREETS.

FOR IMPROVED DRIVEWAYS, WARM MIX TO MATCH EXISTING DRIVEWAY MATERIAL AT A MAXIMUM DISTANCE OF 3' FROM THE EDGE OF TRAVELWAY OR AS DIRECTED BY THE ENGINEER.

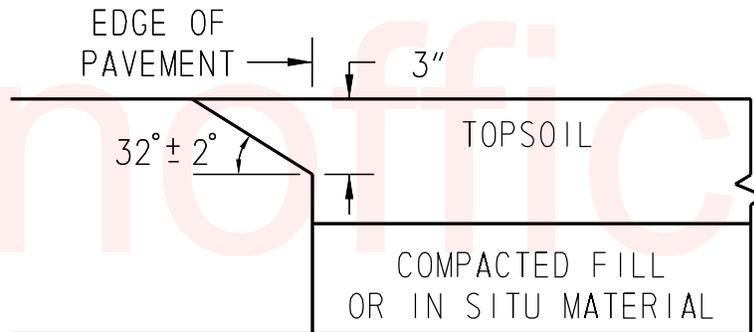
DETAILS SHEET



ADJUSTING MANHOLE

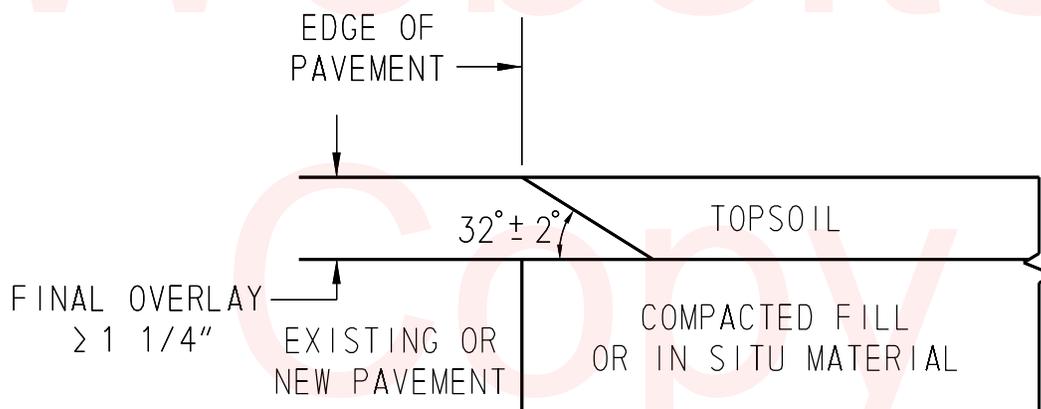
NOTE: MANHOLES IN CONCRETE ROADWAYS SHALL BE SAWCUT FULL DEPTH TO THE SPECIFIED DIMENSIONS PRIOR TO ANY ADJUSTMENT BEING MADE. THE SAWCUTTING SHALL BE INCIDENTAL TO ITEM 710002.

DETAILS SHEET



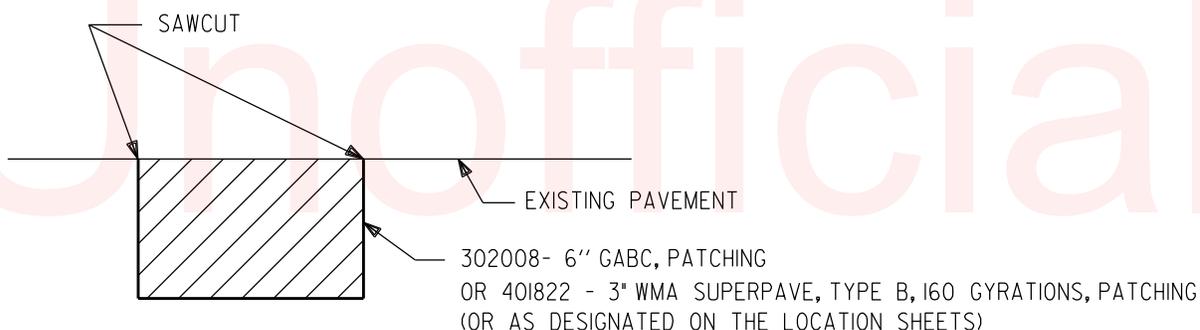
CONCRETE PAVEMENTS

N. T. S.



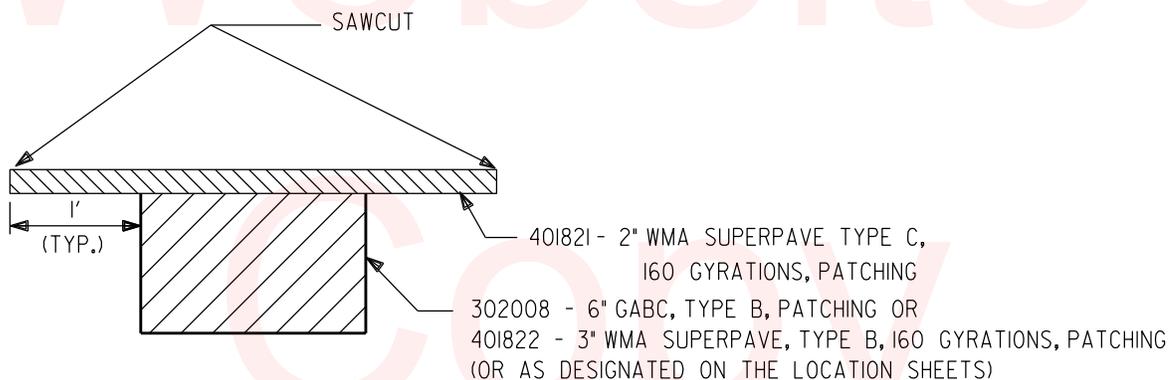
SAFETY EDGE DETAIL FOR BITUMINOUS CONCRETE PAVEMENTS AND OVERLAYS

DETAILS SHEET



BITUMINOUS PATCH WITH OVERLAY

NOTE: DEPTH OF PATCHING, 6" OR AS
DIRECTED BY THE ENGINEER



BITUMINOUS PATCH DETAIL

NOTE: DEPTH OF PATCHING, AS
DIRECTED BY THE ENGINEER

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 WARM-MIX PATCHES UNLESS
OTHERWISE NOTED ON THE PLANS.

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COMMUNITY TRANSPORTATION FUNDS, OPEN END, SOUTH, 2016

LOCATION 1

2016 OPEN END CTF - VARIOUS LOCATIONS THROUGHOUT SUSSEX COUNTY

LENGTH

GENERAL IMPROVEMENTS

MISCELLANEOUS ROADWORK AS REQUESTED BY LEGISLATORS

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 1

202000	EXCAVATION AND EMBANKMENT	150.00 C.Y.
202500	GRADING AND RESHAPING ROADWAY	2.00 MILE
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	100.00 C.Y.
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	100.00 C.Y.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	300.00 TON
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	90.00 C.Y.
401532	PAVING SURCHARGE, ZONE 13	3,500.00 TON
401533	PAVING SURCHARGE, ZONE 14	3,500.00 TON
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	100.00 TON
401800	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 115 GYRATIONS, PG 64-22 (CARBONATE STONE)	6,000.00 TON
401809	BITUMINOUS CONCRETE, SUPERPAVE, TYPE B, 115 GYRATIONS, PG 64-22	250.00 TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	250.00 TON
401822	BITUMINOUS CONCRETE, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	500.00 TON
406001	BITUMINOUS CONCRETE PATCHING	8,500.00 SY-IN
406507	CRACK SEALING	4,000.00 L.F.
612020	REINFORCED CONCRETE PIPE, 12", CLASS IV	80.00 L.F.
612021	REINFORCED CONCRETE PIPE, 15", CLASS IV	80.00 L.F.
612520	CORRUGATED POLYETHYLENE PIPE, TYPE S, 15"	80.00 L.F.
612522	CORRUGATED POLYETHYLENE PIPE, TYPE S, 12"	80.00 L.F.
701010	PORTLAND CEMENT CONCRETE CURB, TYPE 1-8	100.00 L.F.
701011	PORTLAND CEMENT CONCRETE CURB, TYPE 2	100.00 L.F.
705001	P.C.C. SIDEWALK, 4"	400.00 S.F.
705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM	60.00 S.F.
705008	CURB RAMP, TYPE 1	200.00 S.F.
705009	CURB RAMP, TYPE 2, 3, AND/OR 4	200.00 S.F.
708050	DRAINAGE INLET, 34" X 18"	3.00 EACH
708051	DRAINAGE INLET, 34" X 24"	3.00 EACH

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SOUTH
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COMMUNITY TRANSPORTATION FUNDS, OPEN END, SOUTH, 2016

LOCATION 1

2016 OPEN END CTF - VARIOUS LOCATIONS THROUGHOUT SUSSEX COUNTY

LENGTH

GENERAL IMPROVEMENTS

MISCELLANEOUS ROADWORK AS REQUESTED BY LEGISLATORS

COMMENTS:

MATERIAL ESTIMATE FOR LOCATION 1

710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00 EACH
710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00 EACH
712020	RIPRAP, R-4	20.00 TON
713003	GEOTEXTILES, RIPRAP	40.00 S.Y.
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	20.00 EA-DY
743024	TEMPORARY WARNING SIGNS AND PLAQUES	500.00 EA-DY
743052	FLAGGER, SUSSEX COUNTY, STATE	750.00 HOUR
743064	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	80.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	100.00 S.F.
748530	REMOVAL OF PAVEMENT STRIPING	250.00 S.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	2,000.00 L.F.
750000	ADJUST WATER VALVE BOXES	5.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENTCONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	100.00 S.Y.
760003	PAVEMENT - MILLING, HOT-MIX, VARIABLE DEPTH	7,500.00 S.Y.
760502	PAVEMENT MILLING, TAPER CUT	1,000.00 SY-IN
760507	PROFILE MILLING, BITUMINOUS CONCRETE	1,000.00 SY-IN
761001	BUTT JOINTS, HOT MIX	2,500.00 S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	1,000.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	250.00 L.F.
763556	ROAD LOCATION MOBILIZATION, ZONE 13	4.00 EACH
763557	ROAD LOCATION MOBILIZATION, ZONE 14	4.00 EACH
908001	TOPSOIL (TON)	500.00 TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	1,000.00 S.Y.
908016	PERMANENT GRASS SEEDING, SUBDIVISION	5,000.00 S.Y.
908020	EROSION CONTROL BLANKET MULCH	400.00 S.Y.

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COMMUNITY TRANSPORTATION FUNDS, OPEN END, SOUTH, 2016

CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	150.00 C.Y.
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708051	DRAINAGE INLET, 34" X 24"	3.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	3.00 EACH

DELAWARE DEPARTMENT OF TRANSPORTATION

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COMMUNITY TRANSPORTATION FUNDS, OPEN END, SOUTH, 2016

CONTRACT QUANTITIES SUMMARY SHEET

710002	ADJUSTING AND REPAIRING EXISTING MANHOLE	3.00 EACH
712020	RIPRAP, R-4	20.00 TON
713003	GEOTEXTILES, RIPRAP	40.00 S.Y.
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	20.00 EA-DY
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748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	100.00 S.F.
748530	REMOVAL OF PAVEMENT STRIPING	250.00 S.F.
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	2,000.00 L.F.
750000	ADJUST WATER VALVE BOXES	5.00 EACH
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	100.00 S.Y.
760003	PAVEMENT - MILLING, HOT-MIX, VARIABLE DEPTH	7,500.00 S.Y.
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762002	SAW CUTTING, CONCRETE, FULL DEPTH	250.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
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763557	ROAD LOCATION MOBILIZATION, ZONE 14	4.00 EACH
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