

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
OFFICE OF TRANSPORTATION SOLUTIONS
CONSTRUCTION PLANS AND SPECIFICATIONS FOR

PAVEMENT & REHABILITATION – KENT II (CARPENTER BR/KILLENS PD), 2016

CONTRACT NUMBER - T201606202.01

PRIMAVERA ID – 16-06202

FUNDING - 100% STATE

CENTRAL DISTRICT MAINTENANCE

PLANS PREPARED BY: Paul Farkas
DESIGN TECHNICIAN

DATE RECOMMENDED: 8/31/2015

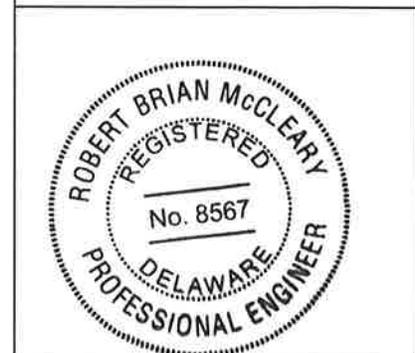
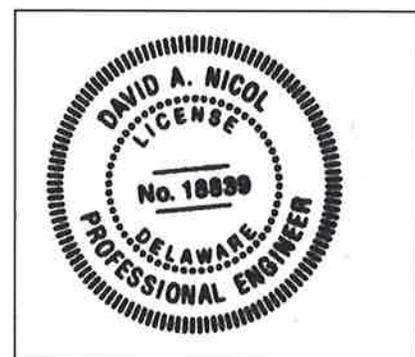
Bradford L. Johnson
GROUP ENGINEER, CONSTRUCTION

DATE RECOMMENDED: 8-31-15

David A. Nicol
ASSIST. DIRECTOR, ENGINEERING SUPPORT

DATE RECOMMENDED: 09/01/15

Robert Brian McCleary
CHIEF ENGINEER



DEPARTMENT OF TRANSPORTATION

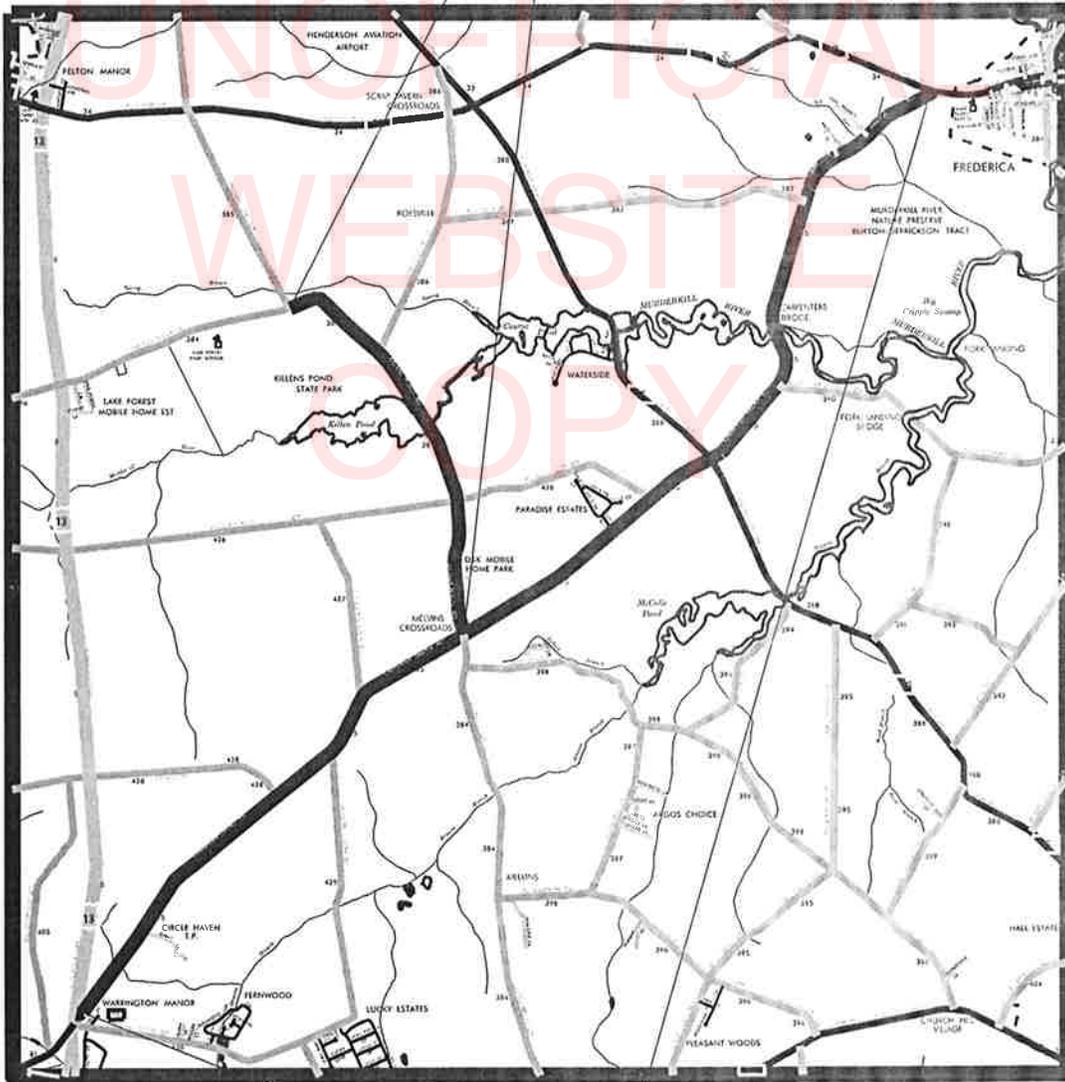
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CARPENTER BRIDGE RD AND KILLENS POND RD.

LOCATION MAP

Location 2
Killens Pond Rd from
Carpenter Bridge Rd to
Chimney Hill Rd.



Location 1
Carpenter Bridge Rd from
US13 to DE12, Johnnycake Lnding Rd.

PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016

GENERAL CONTRACT PLAN NOTES

REVISED 5/15

GENERAL

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, DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THESE PLANS.

2. THE PURPOSE OF THIS CONTRACT IS TO MAKE GENERAL IMPROVEMENTS TO ROADS AND/OR STREETS WITHIN THE DISTRICT HEREIN SPECIFIED. DEPENDING ON FUND AVAILABILITY, THE DEPARTMENT RESERVES THE RIGHT TO ADD OR DELETE LOCATIONS AND/OR QUANTITIES FOR THIS CONTRACT. SUCH LOCATION OR QUANTITY ADDITIONS OR DELETIONS SHALL NOT BE CAUSE FOR AN INCREASE OR DECREASE IN ANY CONTRACT UNIT BID PRICES. NO ITEM PRICES ARE TO BE RENEGOTIATED DUE TO EITHER AN INCREASE OR DECREASE IN QUANTITY USAGE RESULTING FROM SAID ADDITIONS OR DELETIONS.

3. THE CONTRACTOR SHALL PROVIDE ALL RESIDENTS AND BUSINESSES WHO LIVE ADJACENT TO THE WORK ZONE A MINIMUM 48 HR. PRIOR WRITTEN NOTICE FOR THE START OF CONSTRUCTION WORK. THIS NOTIFICATION SHALL INCLUDE THE SCOPE OF WORK, WORKING HOURS, ANTICIPATED START AND COMPLETION DATES, CONTRACTOR NAME & ADDRESS, AND DELDOT CONTACT NUMBERS. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED. ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS CONTRACT. ANY TEMPORARY CLOSURE OF A DRIVEWAY FOR TIE-IN PURPOSES SHALL BE COORDINATED WITH THE ENGINEER AND/OR PROPERTY OWNER IN ADVANCE OF THE CLOSURE.

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

5. THE CONTRACTOR 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 FOR RAILROAD FLAGGING, IF NECESSARY.

MAINTENANCE OF TRAFFIC

6. PERMANENT ADVANCE WARNING SIGNS WITH THE LEGENDS "ROAD WORK 1500 FT," "ROAD WORK 1000 FT" AND "ROAD WORK 500 FT" SHALL BE INSTALLED IN ADVANCE OF THE WORK AREA IN BOTH DIRECTIONS. A "END ROAD WORK" SIGN SHALL BE LOCATED 500 FEET AFTER THE PROJECT LIMITS. A "ROAD WORK AHEAD" SIGN SHALL BE PLACED AT A DISTANCE NOT LESS THAN 500 FEET BEFORE

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GENERAL CONTRACT PLAN NOTES

THE WORK AREA. ALL PERMANENT ADVANCE WARNING SIGNS SHALL BE GROUND-MOUNTED ON TWO NCHRP-350 OR MASH APPROVED BREAKAWAY POSTS AND SHALL BE MOUNTED IN COMPLIANCE WITH THE DE-MUTCD. PERMANENT ADVANCE WARNING SHALL BE MOUNTED AT A HEIGHT OF 7 FEET, MEASURED FROM THE PAVEMENT GRADE 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 AND/ OR CONCRETE MEDIANS PREVENT THE INSTALLATION OF THE PERMANENT SIGNS IN THE APPROPRIATE LOCATION WHICH SHALL BE VERIFIED BY THE ENGINEER.

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

8. 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, SHALL BE INSTALLED IN ACCORDANCE WITH THE TEMPORARY STRIPING POLICY. 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.

9. 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.

10. 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 AND/OR TA-29 OF THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR TO THE SATISFACTION OF THE ENGINEER. PEDESTRIAN DETOUR ROUTES OR ALTERNATE PEDESTRIAN FACILITIES SHALL CONSIST OF ADA COMPLIANT FACILITIES TO THE LEVEL OF WHICH EXISTS ON THE PEDESTRIAN ROUTE. THE COST FOR ANY PROVISIONS SHALL BE INCIDENTAL TO ITEM 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 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 BUSINESSES AND RESIDENCES AT ALL TIMES.
- PROVIDE PEDESTRIAN ACCESS THROUGH OR AROUND THE WORK ZONE. IF A DETOUR

PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016**GENERAL CONTRACT PLAN NOTES**

IS CHOSEN THE CONTRACTOR MUST SUBMIT THE DETOUR ROUTE TO THE ENGINEER FOR REVIEW AND APPROVAL. THE DETOUR ROUTE MUST MEET OR EXCEED THE CURRENT CONDITIONS.

- WORK SHOULD BE PHASED SO THAT ALL AREAS OF AN INTERSECTION/SIDEWALK PATH ARE NOT UNDER CONSTRUCTION AT THE SAME TIME UNLESS A CLEAR PATH IS PROVIDED AND IDENTIFIED.
- TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS AND FEATURES SHALL NOT INTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.
- SIGNS AND OTHER DEVICES MOUNTED LOWER THAN 7FT ABOVE THE TEMPORARY PEDESTRIAN PATHWAY SHALL NOT PROJECT MORE THAN 4 IN. INTO ACCESSIBLE PEDESTRIAN ROUTE.

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

11. AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR SHALL BE REQUIRED FOR ALL LOCATIONS SPECIFIED IN THE CONTRACT PLANS. A COPY OF THE CERTIFICATION CARD FOR THE ATSSA TRAFFIC CONTROL SUPERVISOR SHALL BE SUBMITTED AT THE PRECONSTRUCTION MEETING. THE PAPER CERTIFICATE IS NOT ACCEPTABLE.

PAVEMENT MARKINGS

12. AT THE PRECONSTRUCTION MEETING, 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.

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.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, WHITE EDGE LINES SHALL WRAP AROUND THE RADIUS OF ALL SIDE STREETS AND MAJOR COMMERCIAL ENTRANCES TO A TANGENT POINT. YELLOW CENTERLINES SHALL BE CONTINUOUS AROUND MEDIAN ISLANDS. ALL DOUBLE YELLOW CENTERLINES SHALL BE PLACED IN A 5-6-5 CONFIGURATION (2 EACH, 5" YELLOW STRIPES WITH A 6" GAP BETWEEN).

13. ANY ERRONEOUS MARKING WILL NOT BE PAID FOR AND SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTORS EXPENSE. ERRONEOUS MARKINGS OR SHADOWS THAT EXCEED ONE (1) INCH IN WIDTH SHALL BE REMOVED BY EITHER SAND OR WATER BLASTING AS DIRECTED BY THE ENGINEER. NO OTHER REMOVAL METHODS WILL BE ALLOWED. A FLAT BLACK PAINT OR DRIVEWAY SEALER SHALL BE APPLIED IN THE AREA OF THE REMOVED MARKING TO MASK THE REPAIR. ANY DAMAGE TO THE PAVEMENT CAUSED BY REMOVAL OF ERRONEOUS MARKINGS SHALL BE REPAIRED / REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.

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GENERAL CONTRACT PLAN NOTES

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

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

TRAFFIC SIGNAL NOTES

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

17. 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.

PROJECT

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

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 30200X.

20. BUTT JOINTS SHALL BE PLACED AT ALL INTERSECTING HOT MIX ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL OR LOCATION NOTES. BUTT JOINTS CUT PRIOR TO THE DAY OF THE PAVEMENT OVERLAY SHALL BE RAMPED WITH HOT MIX TRM. IN MILLING AREAS, THERE WILL BE NO SEPARATE PAYMENT FOR BUTT JOINTS. AFTER PAVEMENT MILLING, ALL TRANSVERSE VERTICAL DIFFERENCES, RAISED EDGES OF MANHOLES, CATCH BASINS, WATER VALVE BOXES, ETC...SHALL BE RAMPED WITH HOT-MIX TRM AT A 20:1 OR FLATTER SLOPE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. PAVEMENT MILLINGS WILL NOT BE ALLOWED FOR USE AS RAMPING MATERIAL.

21. 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.

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

23. 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 CONTRACT AT THE CONTRACTORS EXPENSE. ITEM 732XXX, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" IS PRESENT IN MATERIAL USED FOR BACKFILL. AT EACH LOCATION, BACKFILLING SHALL BE PERFORMED IMMEDIATELY UPON REMOVAL OF FORMS FOR CURB OR SIDEWALK WORK. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL

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GENERAL CONTRACT PLAN NOTES

MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF CATCH BASINS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF THE ITEM OF WORK. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

24. ALL ADJUSTMENTS SHALL BE MADE NO MORE THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF HOT MIX UNLESS OTHERWISE APPROVED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED.

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

26. THE CONTRACTOR SHALL TAKE CARE IN REMOVING PAVEMENT AROUND UTILITIES, BUTT JOINTS, CURBING, ETC. SO THAT EXISTING PAVEMENT BEYOND THE SPECIFIED DEPTHS IS NOT DAMAGED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS MAY RESULT IN PLACING LEVELING COURSES AT THE CONTRACTOR'S EXPENSE. THE REMOVAL AND CLEAN UP OF THE HOT MIX RESIDUE WEDGE REMAINING AFTER MILLING OPERATIONS SHALL BE INCIDENTAL TO THE MILLING ITEM. THE REMOVAL OF EXISTING RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INCIDENTAL TO THE APPLICABLE MILLING AND/OR RECLAMATION ITEMS.

27. 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.

28. DRAINAGE INLETS, WHICH ARE 4' GREATER IN DEPTH AND ARE SLATED FOR REPAIR WILL HAVE STEPS INSTALLED IN ACCORDANCE WITH SECTION 708.07 OF THE STANDARD SPECIFICATIONS. PAYMENT SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 710001.

29. THE PORTLAND CEMENT CONCRETE USED WITHIN ITEM 701002 - 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.

DELAWARE DEPARTMENT OF TRANSPORTATION

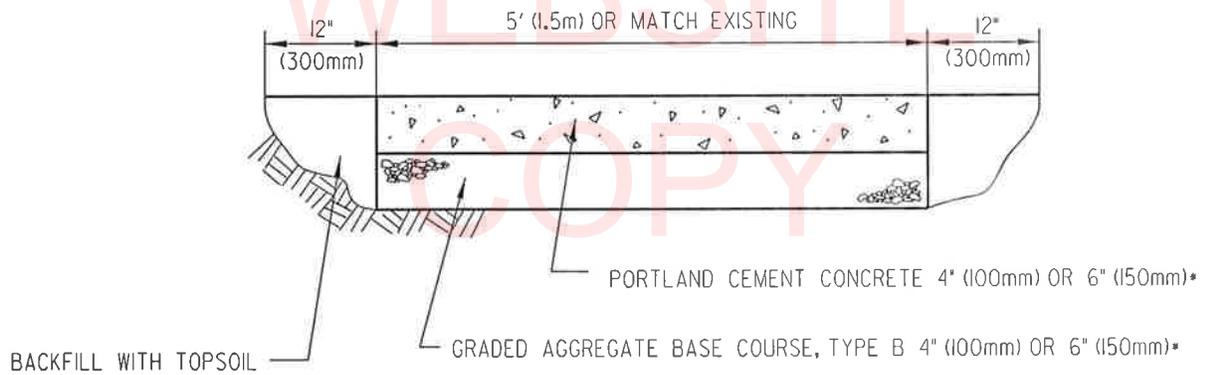
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CENTRAL MAINTENANCE CARPENTER BRIDGE RD AND KILLENS POND RD.

DETAILS SHEET

UNOFFICIAL
WEBSITE



P.C.C. SIDEWALK

N.T.S.

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

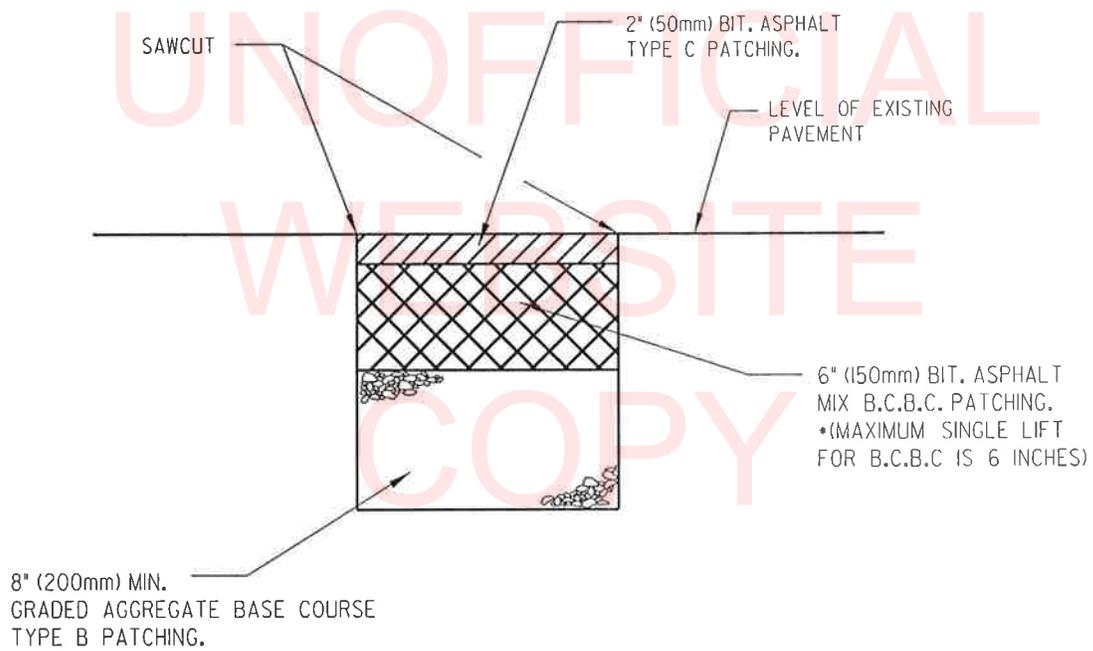
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CENTRAL MAINTENANCE CARPENTER BRIDGE RD AND KILLENS POND RD.

DETAILS SHEET

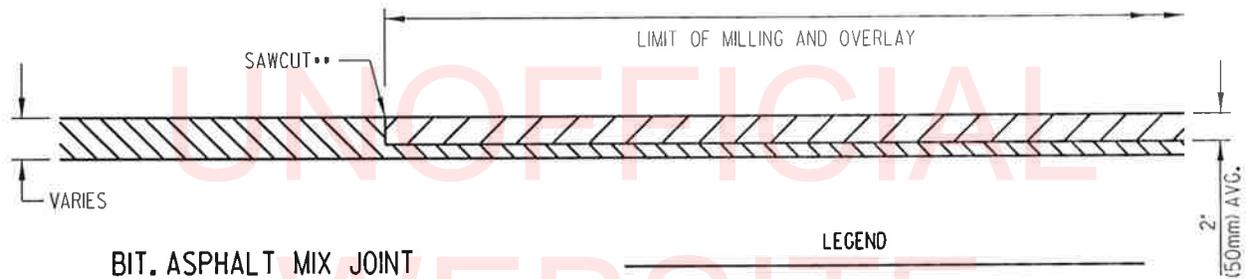


BITUMINOUS CONCRETE MIX PATCH DETAIL

N.T.S.

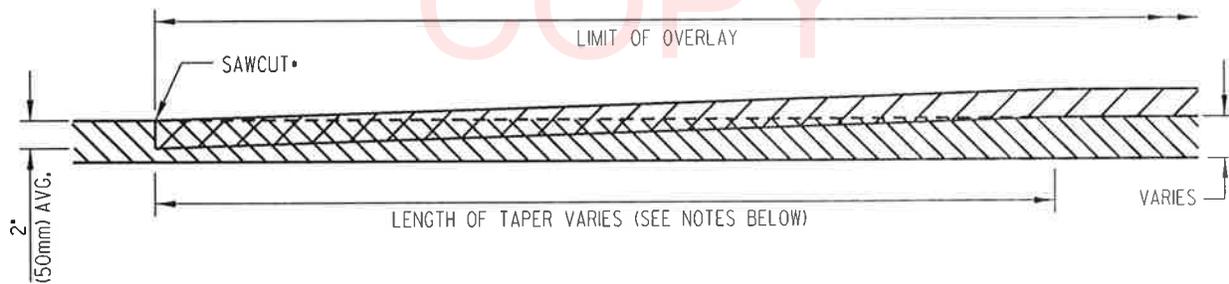
NOTE: ALL EDGES TO BE SAWCUT. CUTTING BY USE OF AIR HAMMERS MAY BE SUBSTITUTED FOR SAWCUTTING IF THE AREA IS TO BE OVERLAID UNDER THE SAME CONTRACT. THIS DETAIL SHALL BE USED FOR ALL HOT-MIX PATCHES UNLESS OTHERWISE SHOWN ON THE PLANS.

DETAILS SHEET



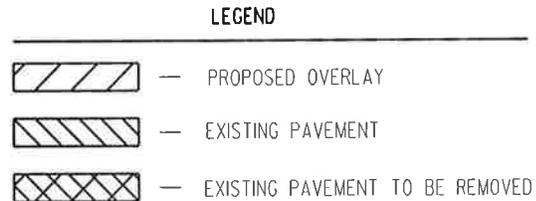
**BIT. ASPHALT MIX JOINT
FOR FULL WIDTH MILLING SECTION••**

PAYMENT INCIDENTAL TO ITEM 760XXX, MILLING.
••SAWCUT SHALL BE PAID UNDER ITEM 76200I.



**BIT. ASPHALT MIX JOINT
FOR OVERLAY SECTION•**

PAYMENT UNDER ITEM 76100I.
•SAWCUT IS INCIDENTAL TO ITEM 76100I.

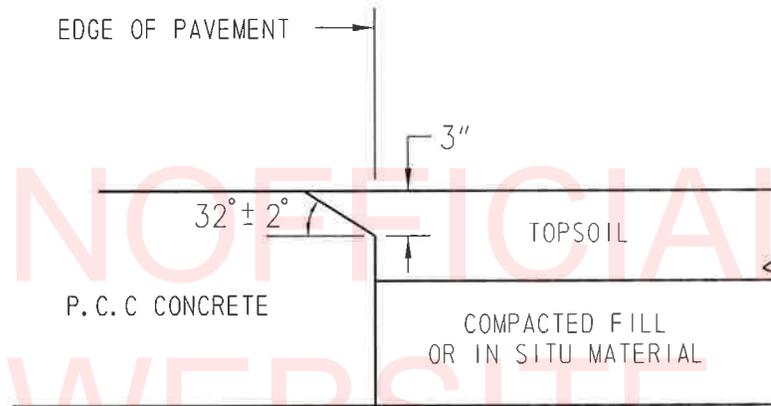


NOTES:

- THE FOLLOWING LENGTHS ARE BASED ON THE POSTED SPEED OF THE ROADWAY:
1. EQUAL TO OR GREATER THAN 55 MPH = 40 FT (9.1m) PER 1" (25mm) OF OVERLAY DEPTH.
 2. LESS THAN 55 MPH = 30 FT (6m) PER 1" (25mm) OF OVERLAY DEPTH.
 3. AT STOP SIGNS = 15 FT (4.6m) PER 1" (25mm) OF OVERLAY DEPTH.

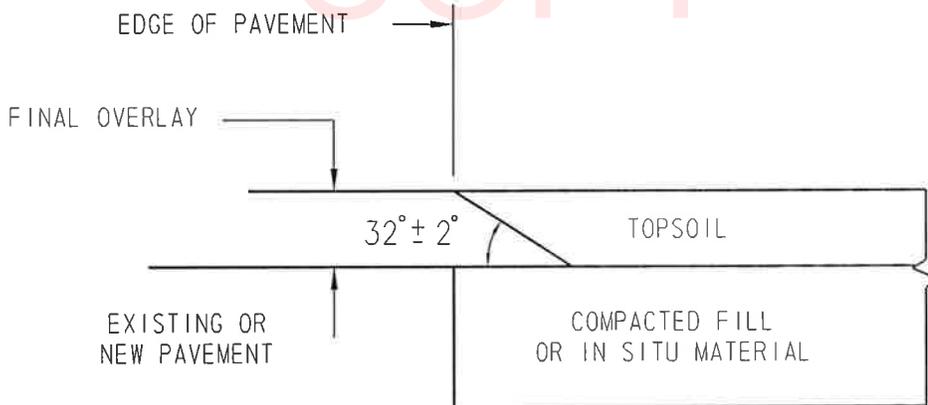
BITUMINOUS ASPHALT MIX JOINT DETAILS

DETAILS SHEET



CONCRETE PAVEMENTS

NOT TO SCALE



BIT. ASPHALT MIX PAVEMENTS AND OVERLAYS

NOT TO SCALE

SAFETY EDGE DETAIL

NOT TO SCALE

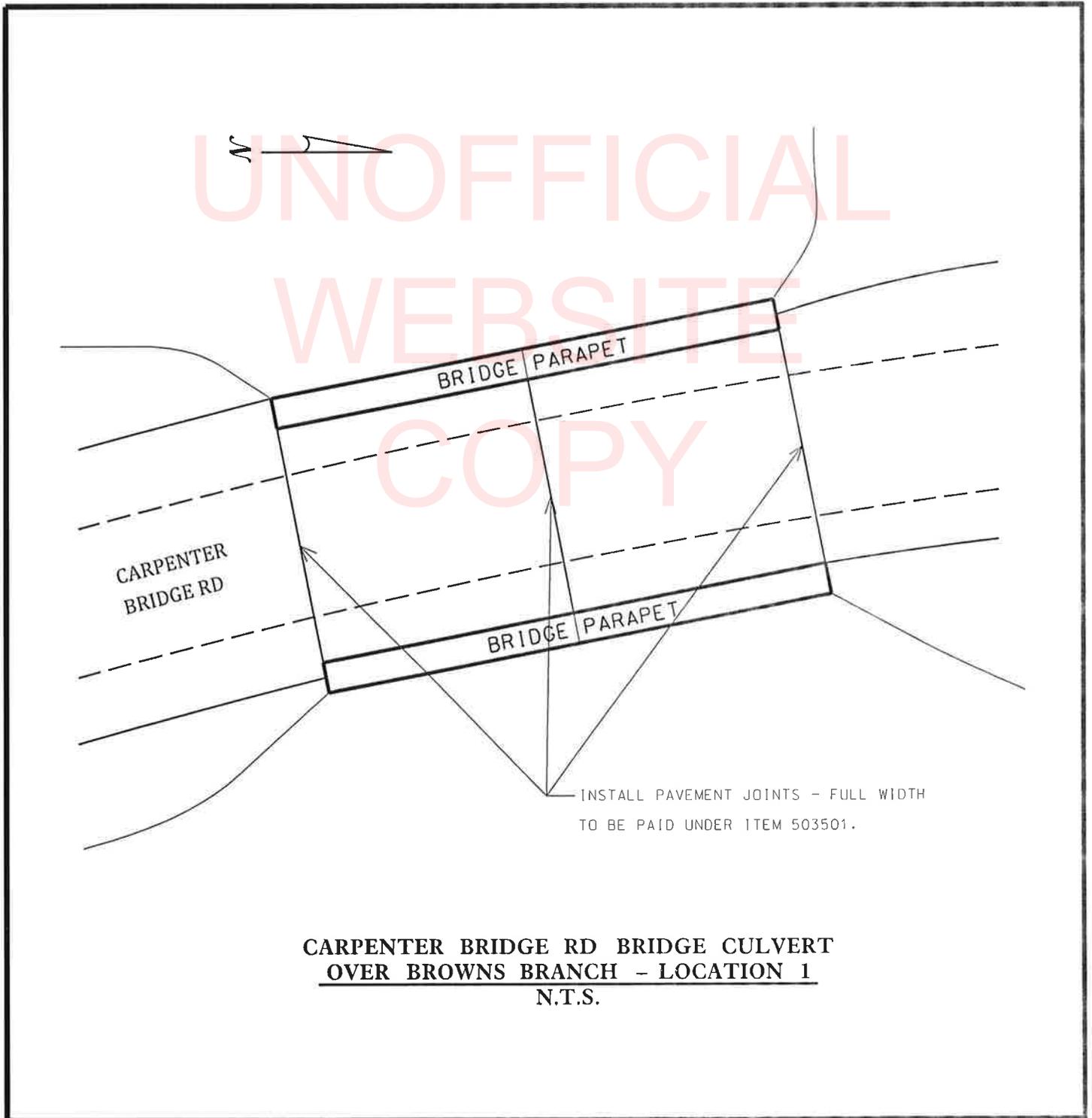
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CENTRAL MAINTENANCE CARPENTER BRIDGE RD AND KILLENS POND RD.

DETAILS SHEET



**CARPENTER BRIDGE RD BRIDGE CULVERT
OVER BROWNS BRANCH - LOCATION 1
N.T.S.**

LOCATION 1 CARPENTER BRIDGE RD (K35) FROM US13, SOUTH DUPONT HWY (K5) TO DE12,
JOHNNYCAKE LANDING RD (K34)

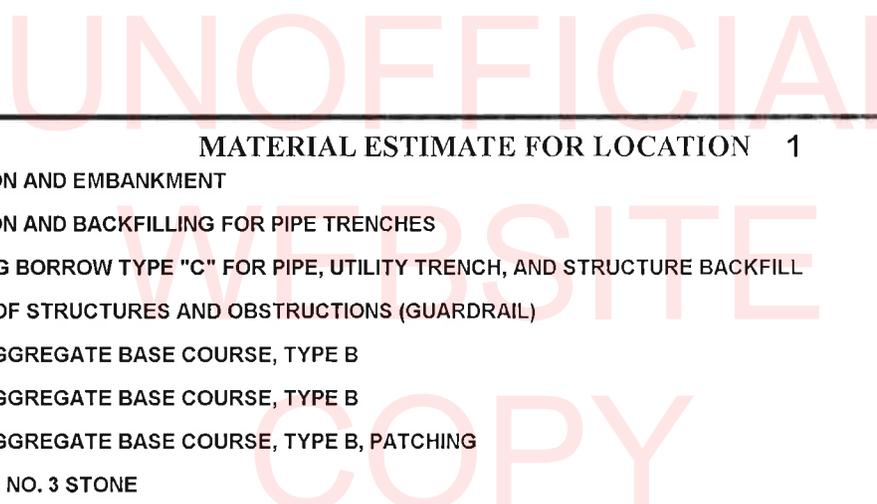
LENGTH 11268.456 m 36970 L.F. AADT 1741

GENERAL IMPROVEMENTS

4" COLD IN PLACE RECYCLE AND 2" TYPE C (64-22, C) FULL WIDTH OVERLAY.

COMMENTS:

Please see attached sheets for comments



MATERIAL ESTIMATE FOR LOCATION 1

202000	EXCAVATION AND EMBANKMENT	2,176.00 C.Y.
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	8.00 C.Y.
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	5.00 C.Y.
211002	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	300.00 L.F.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	150.00 TON
302007	GRADED AGGREGATE BASE COURSE, TYPE B	5.00 C.Y.
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	1,310.00 C.Y.
302011	DELAWARE NO. 3 STONE	40.00 TON
401576	RECYCLED ASPHALT PAVEMENT	1,410.00 TON
401636	COLD RECYCLED BITUMINOUS PAVEMENT	409,027.00 SY-IN
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	300.00 TON
401713	EMULSIFIED ASPHALT	184,062.00 GAL
401801	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS PG 64-22 (CARBONATE STONE)	12,468.00 TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	1.00 TON
401823	BITUMINOUS CONCRETE, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	2.00 TON
402000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	2.00 TON
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	120.00 L.F.
612031	REINFORCED CONCRETE PIPE, 24", CLASS V	44.00 L.F.
705002	P.C.C. SIDEWALK, 6"	252.00 S.F.
708060	REPLACE DRAINAGE INLET GRATE(S)	1.00 EACH
708061	REPLACE DRAINAGE INLET FRAME(S)	1.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	10.00 EACH
712020	RIPRAP, R-4	0.20 TON
720585	GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	6.00 EACH
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	14.00 EA-DY
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	52.00 EA-DY
743051	FLAGGER, KENT COUNTY, STATE	1,553.00 HOUR

CENTRAL
MAINTENANCE

PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016

LOCATION 1 CARPENTER BRIDGE RD (K35) FROM US13, SOUTH DUPONT HWY (K5) TO DE12,
JOHNNYCAKE LANDING RD (K34)

LENGTH 11268.456 m 36970 L.F. AADT 1741

GENERAL IMPROVEMENTS

4" COLD IN PLACE RECYCLE AND 2" TYPE C (64-22, C) FULL WIDTH OVERLAY.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 1

743063	FLAGGER, KENT COUNTY, STATE, OVERTIME	233.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	210.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	277,275.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	420.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	462.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	138,638.00 L.F.
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	57.00 EACH
749690	INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLE SIGN POSTS	14.00 S.F.
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	56.00 S.Y.
760507	PROFILE MILLING, BITUMINOUS CONCRETE	3,556.00 SY-IN
761001	BUTT JOINTS, HOT MIX	2,650.00 S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	1,750.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	80.00 L.F.
908001	TOPSOIL (TON)	1,155.00 TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	12,323.00 S.Y.

**CENTRAL
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PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016

**LOCATION 1 CARPENTER BRIDGE RD (K35) FROM US13, SOUTH DUPONT HWY (K5) TO DE12,
JOHNNYCAKE LANDING RD (K34)**

COMMENTS:

1. RECOMMENDED M.O.T. TYPICAL APPLICATION, TA-10 (CIPR)
 . TYPICAL APPLICATION, TA-10 (TRAVEL LANES).
 . TYPICAL APPLICATION, TA-10 (SHOULDERS).
2. DAYTIME WORK HOURS: 8:00A - 6:00P, (MONDAY THRU FRIDAY).
3. GABC ITEM 302005 AND QUANTITY IS FOR UNIMPROVED DRIVEWAYS.
4. THE 6" SIDEWALK ITEMS ARE FOR CONCRETE DRIVEWAYS.
5. 2" MILL FULL WIDTH 100' IN EACH DIRECTION FROM CENTER LINE OF CULVERTS AND PLACE BACK 2" HOT-MIX TYPE C OVERLAY OR AS DIRECTED BY THE FIELD ENGINEER.
6. PLACE DELAWARE NO. 3 STONE ITEM 302011 AS NEEDED TO RE-ESTABLISH MAINTENANCE STRIP UNDER EXISTING GUARDRAILS AS DIRECTED BY THE FIELD ENGINEER.
7. PLACE RIP RAP AS NEEDED AT NORTHWEST CORNER OF KILLENS POND RD TO ALLEVIATE EDGE DROP OFF AS DIRECTED BY THE FIELD ENGINEER.
8. PAVEMENT WIDENING PRIOR TO RECLAMATION

 A. EXCAVATE 1' +/- WIDTH AT A DEPTH OF 10" TO EACH SIDE OF EXISTING PAVEMENT TO ACHIEVE A TOTAL MINIMUM WIDTH OF AT LEAST 23 FT, (EXSITING WIDTH IS 21' +/-).
 B. PLACE BACK 4" OF RAP MATERIAL (TO BE PAID UNDER ITEM 401576) OVER 6" GABC OR CRUSHED CONCRETE (TO BE PAID UNDER ITEM 302008). THE RAP MATERIAL IS TO BE INCORPORATED INTO THE RECYCLING OPERATION.
 C. THE WIDENING DOES NOT INCLUDE AREAS OF EXISTING SHOULDERS AND TURN LANES.
 D. THE CONTRACTOR SHALL CAREFULLY REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. ANY DAMAGES INCURRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE SET 46 INCHES ABOVE THE ROADWAY SURFACE. THE COST FOR ALL WORK AND MATERIALS SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
9. COLD IN PLACE RECYCLING NOTES

 A. COLD IN PLACE RECYCLING INCLUDES THE TRAVEL LANES AND SHOULDERS.
 B. THE PROJECT CONSTRUCTION SHALL BE COMPLETED IN THREE SEGMENTS AS FOLLOWS:
 . 1. US13 - K384, KILLENS POND RD.
 . 2. K384 KILLENS POND RD - DE15/CANTERBURY RD.
 . 3. DE15/CANTERBURY RD - K34, DE12/JOHNNYCAKE LANDING RD.
 C. THE RECYCLING OPERATION AND ASPHALT OVERLAY SHALL BE COMPLETED IN BOTH DIRECTIONS BEFORE MOVING ONTO THE NEXT SEGMENT.

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PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016

LOCATION 1 CARPENTER BRIDGE RD (K35) FROM US13, SOUTH DUPONT HWY (K5) TO DE12,
JOHNNYCAKE LANDING RD (K34)

D. SEE ATTACHED PAGES 16A THRU 16C FOR CORE INFORMATION. CORE DATA IS FOR INFORMATIONAL PURPOSES ONLY.

E. THE EMULSIFIED ASPHALT MIX SHALL MEET THE REQUIRED SPECIFICATIONS AS STATED PER ITEM 401636 - COLD RECYCLED BITUMINOUS PAVEMENT.

10. BRIDGE CULVERT LOCATED 1800' NORTH OF FORK LANDING RD

A. INSTALL FULL WIDTH PAVEMENT JOINTS ACROSS THE FINAL PAVEMENT AT BOTH ENDS AND MIDDLE (AT EXISTING EXPANSION JOINT IN PARAPET) OF THE BRIDGE PARAPET AS DIRECTED BY THE FIELD ENGINEER TO BE PAID UNDER ITEM 503501.

11. CROSS ROAD PIPE REPLACEMENT

A. REPLACE CROSS ROAD PIPE LOCATED APPROX. 240' FROM NEW HOT MIX JOINT CREATED FROM REALIGNMENT PROJECT LIMITS.

B. PIPE COVER IS APPROX. 3FT +/- FROM PAVEMENT GRADE TO TOP OF PIPE.

C. CONFIRM PIPE DIMENSIONS IN THE FIELD AND REPLACE IN KIND.

D. REFERENCE DETAILS SECTION FOR PAVEMENT PATCHING.

CORE RESULTS

Maintenance #K35

Road Name: Carpenters bridge Road

Coring Date:

5 /18/2015

Limits: Rt 12 and Killens Pond Road

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
1 WB	2901' West of Rt 12, Entrance to ILC	Right Turn	5' ft. Right Edgeline		6							4"+			
2 WB	3498' West of RT12	Right Shoulder	5' ft. Right Edgeline		12									Orig	
3 WB	4262' West of RT 12	Right Shoulder	6' ft. Right Edgeline		3							3"		Orig	
4 WB	3545' West of Roesville Rd	Right Shoulder	5' ft. Right Edgeline		3									3"+ Select	
5 WB	730' East of Killens Pond Rd	Right Shoulder	2' ft. Right Edgeline		3									4" select	
6 WB	108' west of Killens Pond Rd	Right Shoulder	3' ft. Right Edgeline		5									5+ millings	
7 EB	313' West of Fork Landing Rd	Right Shoulder	4' ft. Right Edgeline		2.5									orig	
8 Eb	1516' East of fork landing Rd	Right Shoulder	6' ft. Right Edgeline		3									10+ select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 12 and Killens Pond Road

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
9 EB	2249' East of Fork Landing rd	Right Shoulder	5 ft. Right Edgeline		3							3		orig	
10 EB	1117' East of Roesville Rd	Right Shoulder	4 ft. Right Edgeline		2.75							3'+			
11 EB	3648' East of Roesville Rd	Right Shoulder	5 ft. Right Edgeline		3.5									10'+ select	
12 EB	1936' East of RT 15	Right Travel	5 ft. Right Centerline		3'	6.25		1"						6' select	
13 EB	3604' East of Fork Landing Rd	Right Travel	7 ft. Right Centerline		3.5	6		1"						orig	
14 WB	3517' East of Fork Landing Rd	Right Travel	6 ft. Right Centerline		4.5		1"	1"						orig	
15 WB	1054' West of Fork Landing Rd	Right Travel	6.5' ft. Right Centerline		5.5		1"	1"						orig	
16 WB	153' West of Roesville rd	Right Travel	6 ft. Right Centerline		5.5		1"	1"						orig	
17 EB	111' West of Roesville Rd	Right Travel	6.5' ft. Right Centerline		3	6		1"						orig	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 12 and Killens Pond Road

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
18 EB	2864' East of Roesville Rd	Right Travel	7' ft. Right Centerline		4	6		1"						2" select	
19 WB	1961' West of Rt 12	Right Travel	6' ft. Right Centerline		5.5		1"	1"							

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LOCATION 2 KILLENS POND RD (K384) FROM CARPENTER BRIDGE RD (K35) TO CHIMNEY HILL RD (K385)

LENGTH 3703.32 m 12150 L.F. AADT 1714

GENERAL IMPROVEMENTS

6" FULL DEPTH RECLAMATION AND 2" TYPE C (64-22,C) FULL WIDTH OVERLAY.

COMMENTS:

Please see attached sheets for comments

MATERIAL ESTIMATE FOR LOCATION 2

211002	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	200.00 L.F.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	50.00 TON
304508	BITUMINOUS STABILIZED FULL-DEPTH RECLAMATION	31,433.00 S.Y.
401504	BITUMINOUS CONCRETE PAVEMENT TYPE C, LEVELING COURSE	20.00 TON
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	141.00 TON
401713	EMULSIFIED ASPHALT	94,300.00 GAL
401801	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS PG 64-22 (CARBONATE STONE)	3,883.00 TON
602546	WATERPROOFING P.C.C. MASONRY	1,760.00 S.F.
720562	STEEL BACKED TIMBER GUARDRAIL, TIMBER POST	40.00 L.F.
720585	GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	4.00 EACH
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	50.00 EA-DY
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	16.00 EA-DY
743051	FLAGGER, KENT COUNTY, STATE	471.00 HOUR
743063	FLAGGER, KENT COUNTY, STATE, OVERTIME	71.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	56.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	91,125.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	112.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	30.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	45,563.00 L.F.
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	12.00 EACH
761001	BUTT JOINTS, HOT MIX	1,242.00 S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	600.00 L.F.
908001	TOPSOIL (TON)	380.00 TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	4,050.00 S.Y.

**CENTRAL
MAINTENANCE**

PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS PD) 2016

LOCATION 2 KILLENS POND RD (K384) FROM CARPENTER BRIDGE RD (K35) TO CHIMNEY HILL RD (K385)

COMMENTS:

1. RECOMMENDED M.O.T. TYPICAL APPLICATION, TA-20 (FDR)
 . TYPICAL APPLICATION, TA-10 (TRAVEL LANES).
 . TYPICAL APPLICATION, TA-10 (SHOULDERS).
2. DAYTIME WORK HOURS: 8:00A - 6:00P, (MONDAY THRU FRIDAY).
3. THIS LOCATION MAY NOT BEGIN UNTIL THE BRIDGE DECK REPLACEMENT PROJECT HAS BEEN COMPLETED AND THE PCC DECK ALLOWED TO CURE FOR AT LEAST 30 DAYS. ANTICIPATED COMPLETION OF DECK REPLACEMENT IS EARLY SPRING 2016.
4. GABC ITEM 302005 AND QUANTITY IS FOR UNIMPROVED DRIVEWAYS.
5. FULL DEPTH RECLAMATION NOTES

 A. THE RECLAMATION OPERATIONS INCLUDE THE EXISTING ASPHALT PAVEMENT SHOULDERS.
 B. THE PROJECT CONSTRUCTION SHALL BE COMPLETED IN TWO SEGMENTS AS FOLLOWS:
 . 1. K385, CHIMNEY HILL RD - K426, PARADISE ALLY RD.
 . 2. K426, PARADISE ALLY RD - K34, CARPENTER BRIDGE RD.
 C. THE RECLAMATION OPERATION AND ASPHALT OVERLAY SHALL BE COMPLETED IN BOTH DIRECTIONS BEFORE MOVING ONTO THE NEXT SEGMENT. THE REMAINDER OF OPERATIONS SHALL BE COMPLETED UNDER TYPICAL APPLICATION, TA-10.
 D. SEE ATTACHED DETOUR SHEET AS PER TRAFFIC SECTIONS RECOMMENDATION.
 E. STABILIZATION MUST OCCUR ON THE SAME DAY AS THE RECLAMATION.
 F. SEE ATTACHED PAGES 18A THRU 18F FOR CORE INFORMATION. CORE DATA IS FOR INFORMATIONAL PURPOSES ONLY.
 G. THE EMULSIFIED ASPHALT MIX SHALL MEET THE REQUIRED SPECIFICATIONS AS STATED PER ITEM 401636 - COLD RECYCLED BITUMINOUS PAVEMENT.
 H. THE LEVELING COURSE ITEM 401504 SHALL BE USED TO ALLEVIATE ANY LOW SPOTS THAT MAY HAVE INCURRED AFTER THE RECLAMATION OPERATION AS NEEDED AND AS DIRECTED BY THE FIELD ENGINEER.
6. KILLENS POND BRIDGE CULVERT/SPILLWAY

 A. DO NOT OVERLAY P.C.C. BRIDGE DECK.
 B. APPLY P.C.C. SEALANT AS DIRECTED BY THE FIELD ENGINEER TO BE PAID UNDER ITEM 602546. THE SEALANT IS TO BE APPLIED PRIOR TO THE START OF ANY CONSTRUCTION OPERATIONS. MINIMUM CURE TIME FOR SEALANT BEFORE OPENING TO ROAD TRAFFIC IS 4 TO 6 HOURS OR AS PER THE MANUFACTURERS RECOMMENDATIONS.
 C. REPLACE APPROX. 40 FT OF DAMAGED STEEL GUARDRAIL JUST SOUTH OF THE SPILLWAY. REPLACE OR RESET (IF NOT PERMANENTLY DAMAGED) EXISTING TIMBER POSTS AS NEEDED AND AS DIRECTED BY THE FIELD ENGINEER.

CORE RESULTS

Maintenance # K384

Road Name: Killens Pond Road

Coring Date:

10/3 /2014

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
1 EB	220' East of Rt 13	Right Shoulder	5 ft. Right Edgeline		7									5" Select	
2 EB	4090' East of Rt 13	Right Shoulder	6 ft. Right Edgeline		7									6" Select	
3 EB	6387' East of Rt 13	Right Shoulder	5 ft. 5 Edgeline		11									6" Select	
4 EB	2159' East Scrap Tavern Road	Right Shoulder	4 ft. Right Edgeline		3									5" Select	
5 EB	2792' East Scrap Tavern Road	Right Shoulder	4 ft. Right Edgeline		2.5									5" Select	
6 WB	2509' West Scrap Tavern Road	Right Shoulder	4 ft. Right Edgeline		4									5" Select	
7 WB	251' East Chimmney Hill Road	Right Shoulder	6 ft. Right Edgeline		8									7" Select	
8 WB	590' East Rt 13	Right Shoulder	6 ft. Right Edgeline		6									8" Select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
9 EB	400' East of Rt 13	Right Travel	7 ft. Right Centerline		9									4" Select	
10 EB	2400' East of Rt 13	Right Travel	7 ft. Right Centerline		9									original	
11 EB	4391' East of Rt 13	Right Travel	6 ft. Right Centerline		7.5									5" Select	
12 EB	4414' East Rt 13	Left Turn	8 ft. Right Centerline		7.5									5" Select	
13 EB	6333' East of Rt 13	Right Travel	8 ft. Right Centerline		10"									5" Select	
14 EB	6365' East of Rt 13	Right Travel	4 ft. Right Centerline		8"									12"+ select	
15 WB	110' East of Chimney Hill Road	Right Travel	6 ft. Right Centerline		6									5" Select	
16 WB	1886' West of Chimney Hill Road	Right Travel	6 ft. Right Centerline		10.5									5" Select	
17 WB	1916' West of Chimney Hill Road	Right Shoulder	0 ft. Right Edgeline		9.5									5" Select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
18 WB	3882' West Chimney Hill Road	Right Travel	3 ft. Right Centerline		7.5									5" Select	
19 WB	3906' West of Chimney Hill Road	Right Travel	8 ft. Right Centerline		9.5									5" Select	
20 WB	5900' West of Chimney Hill Road	Right Travel	3 ft. Right Centerline		8									original	
21 WB	5934' West Chimney Hill Road	Right Travel	11 ft. Right Centerline		7.5									6" Select	
22 WB	6868' West of Chimney Hill Road	Right Travel	7 ft. Right Centerline		8									7" Select	
23 EB	2030' West Scrap Tavern Road	Right Travel	3 ft. Right Centerline		4									4" Select	
24 EB	7996' West Scap Tavern Road	Right Travel	11 ft. Right Centerline		7.5									4" Select	
25 EB	80' West of Scrap Tavern Road	Right Travel	4 ft. Right Centerline		7									original	
26 EB	50' West of Scrap Tavern Road	Right Travel	11 ft. Right Centerline		8									5" Select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
27 EB	1982' East Scrap Tavern Road	Right Travel	4 ft. Right Centerline		5.5									4" Select	
28 EB	3950' East Scrap Tavern Road	Right Travel	4 ft. Right Centerline		5									2" Select	
29 EB	3985' East of Scrap Tavern Road	Right Travel	11 ft. Right Centerline		11									6" Select	
30 EB	1044' East of Paradise Alley Road	Right Travel	4 ft. Right Centerline		4									3" Select	
31 EB	1086' East of Paradise Alley Rd	Right Travel	11 ft. Right Centerline		8.5									5" Select	
32 EB	3047' East of Paradise Alley Road	Right Travel	4 ft. Right Centerline		5.5									5" Select	
33 EB	3084' East Paradise Alley Road	Right Travel	11 ft. Right Centerline		9									4" Select	
34 WB	114' West Carpenter Bridge Road	Right Travel	4 ft. Right Centerline		4.5									4" Select	
35 WB	152' West Carpenter Bridge Road	Right Travel	11 ft. Right Centerline		4.5									4" Select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
36 WB	2092' West of Carpenter Bridge Road	Right Travel	4 ft. Right Centerline		5									3" Select	
37 WB	2128' West Carpenter Bridge Road	Right Travel	11 ft. Right Centerline		8									original	
38 WB	200 west Paradise Alley Raod	Right Travel	4 ft. Right Centerline		4									4" Select	
39 WB	242' west of Paradise Alley Road	Right Travel	11 ft. Right Centerline		7									4" Select	
40 WB	2186" West of Paradise Alley Road	Right Travel	4 ft. Right Centerline		7									5" Select	
41 WB	2237' West of Paradise Alley Road	Right Travel	11 ft. Right Centerline		7									4" Select	
42 WB	4210' west of Paradise Alley Road	Right Travel	4 ft. Right Centerline		5									4" Select	
43 WB	4251' West of Paradise Alley Road	Right Travel	11 ft. Right Centerline		7									5" Select	
44 WB	1216' West of Scrap Tavern Road	Right Travel	4 ft. Right Centerline		4.5									5" Select	

Abbreviations: HMA -Asphalt PCC - Concrete ST - Surface Treatment ATB - Asphalt Treated Base CTB - Cement Treated Base SC - Soil Cement CR - Crusher Run

Limits: Rt 13 and Rt 12

Core #	Location Description	Lane	Offset	GPS Coordinates	HMA	PCC	ST	ATB	CTB	SC	CR	Stone	Sand	Other	Layer Order
45 WB	1262' West of Scrap Tavern Road	Right Travel	11 ft. Right Centerline		5.5									7" Select	

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DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201606202

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PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS
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CONTRACT QUANTITIES SUMMARY SHEET

202000	EXCAVATION AND EMBANKMENT	2,176.00 C.Y.
208000	EXCAVATION AND BACKFILLING FOR PIPE TRENCHES	8.00 C.Y.
210000	FURNISHING BORROW TYPE "C" FOR PIPE, UTILITY TRENCH, AND STRUCTURE BACKFILL	5.00 C.Y.
211002	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (GUARDRAIL)	500.00 L.F.
302005	GRADED AGGREGATE BASE COURSE, TYPE B	200.00 TON
302007	GRADED AGGREGATE BASE COURSE, TYPE B	5.00 C.Y.
302008	GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING	1,310.00 C.Y.
302011	DELAWARE NO. 3 STONE	40.00 TON
304508	BITUMINOUS STABILIZED FULL-DEPTH RECLAMATION	31,433.00 S.Y.
401504	BITUMINOUS CONCRETE PAVEMENT TYPE C, LEVELING COURSE	20.00 TON
401576	RECYCLED ASPHALT PAVEMENT	1,410.00 TON
401636	COLD RECYCLED BITUMINOUS PAVEMENT	409,027.00 SY-IN
401696	ENTRANCE, DRIVEWAY AND INTERSECTING STREET PAVING SURCHARGE	441.00 TON
401713	EMULSIFIED ASPHALT	278,362.00 GAL
401801	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS PG 64-22 (CARBONATE STONE)	16,351.00 TON
401821	BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING	1.00 TON
401823	BITUMINOUS CONCRETE, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING	2.00 TON
402000	BITUMINOUS CONCRETE AND/OR COLD-LAID BITUMINOUS CONCRETE (TRM)	2.00 TON
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	120.00 L.F.
602546	WATERPROOFING P.C.C. MASONRY	1,760.00 S.F.
612031	REINFORCED CONCRETE PIPE, 24", CLASS V	44.00 L.F.
705002	P.C.C. SIDEWALK, 6"	252.00 S.F.
708060	REPLACE DRAINAGE INLET GRATE(S)	1.00 EACH
708061	REPLACE DRAINAGE INLET FRAME(S)	1.00 EACH
710001	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	10.00 EACH
712020	RIPRAP, R-4	0.20 TON
720562	STEEL BACKED TIMBER GUARDRAIL, TIMBER POST	40.00 L.F.
720585	GUARDRAIL END TREATMENT ATTENUATOR, TYPE 1-31	10.00 EACH

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201606202

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CENTRAL PAVEMENT & REHABILITATION, KENT II, (CARPENTER BR & KILLENS
MAINTENANCE PD) 2016

CONTRACT QUANTITIES SUMMARY SHEET

743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	64.00 EA-DY
743010	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	68.00 EA-DY
743051	FLAGGER, KENT COUNTY, STATE	2,024.00 HOUR
743063	FLAGGER, KENT COUNTY, STATE, OVERTIME	304.00 HOUR
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLAST IC	266.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	368,400.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	532.00 S.F.
748502	RAISED/RECESSED PAVEMENT MARKER	492.00 EACH
748548	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	184,201.00 L.F.
749687	INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	69.00 EACH
749690	INSTALLATION OR REMOVAL OF TRAFFIC SIGNS ON MULTIPLE SIGN POSTS	14.00 S.F.
758000	REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	56.00 S.Y.
760507	PROFILE MILLING, BITUMINOUS CONCRETE	3,556.00 SY-IN
761001	BUTT JOINTS, HOT MIX	3,892.00 S.Y.
762001	SAW CUTTING, BITUMINOUS CONCRETE	2,350.00 L.F.
762002	SAW CUTTING, CONCRETE, FULL DEPTH	80.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM
908001	TOPSOIL (TON)	1,535.00 TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	16,373.00 S.Y.

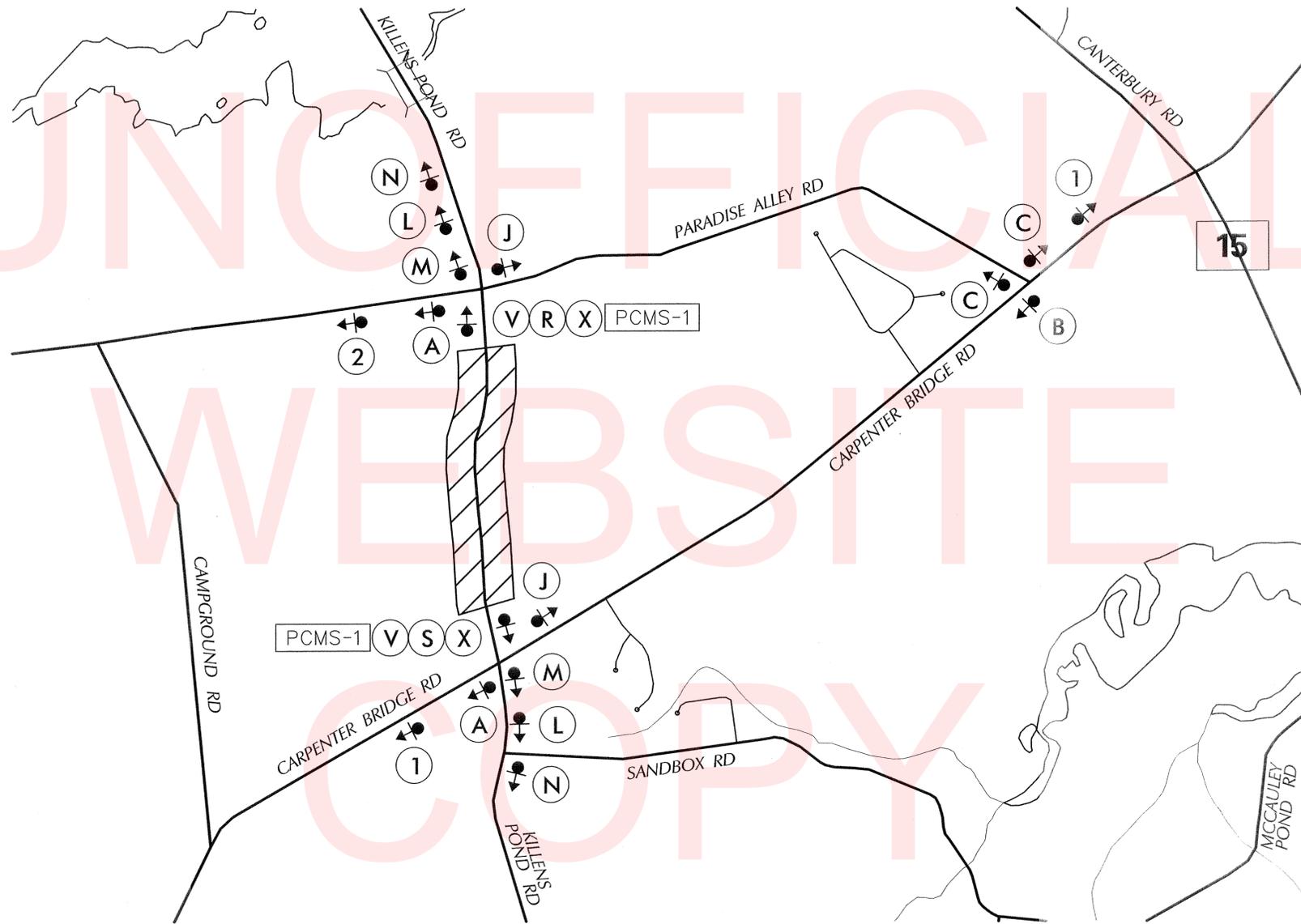
PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

KILLENS
POND RD
CLOSING

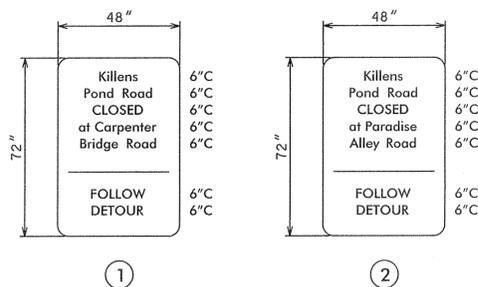
STARTING
XXXXXX



LEGEND

(A) DETOUR M4-9-DE	(B) DETOUR M4-9	(C) DETOUR M4-9	(D) DETOUR M4-9	(E) DETOUR M4-9
(F) DETOUR M4-9	(G) DETOUR M4-9	(H) DETOUR M4-9	(I) DETOUR M4-9	(J) END DETOUR M4-8a
(K) DETOUR AHEAD W20-2	(L) DETOUR 1000 FT W20-2	(M) DETOUR 500 FT W20-2		
(N) ROAD CLOSED AHEAD W20-3	(O) ROAD CLOSED 1000 FT W20-3	(P) ROAD CLOSED 500 FT W20-3		
(Q) ROAD CLOSED R11-2	(R) DETOUR M4-10(L)	(S) DETOUR M4-10(R)		
(T) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	(U) BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	(V) ROAD CLOSED TO THRU TRAFFIC R11-4		
(W) BARRICADE		(X) BARRICADE		

SPECIAL SIGNS



ALL SPECIAL SIGNS TO BE BLACK LEGEND ON
D/G RETROREFLECTIVE FLUORESCENT ORANGE

GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
- DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
- SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
- SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
- FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD) WILL PREVAIL.
- SIGNS "H" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RAMPING", OR "BRIDGE" WHERE APPLICABLE.
- WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
- "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED _____ DATE: _____

RECOMMENDED *[Signature]* DATE: 10-13-14

RECOMMENDED *[Signature]* DATE: 10/8/14

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 10-13-14

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 10/14/14



NOT TO SCALE

KILLENS POND ROAD,
CHIMNEY HILL ROAD
TO CARPENTER BRIDGE ROAD

CONTRACT	ROAD NO.	K384
TXXXXXXXXXXX	DESIGNED BY: SWN	
COUNTY	CHECKED BY: ASW	
KENT		

DETOUR PLAN

SHEET NO.	2
TOTAL SHEETS	2

PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

KILLENS POND RD CLOSING

STARTING XXXX/XX

DURING DETOUR

(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-2

KILLENS POND RD CLOSED

AT CHIMNEY HILL RD

FOLLOW DETOUR

DURING DETOUR

(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

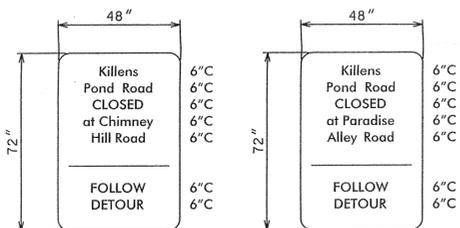
PCMS-3

KILLENS POND RD CLOSED

AT PARADISE ALLEY RD

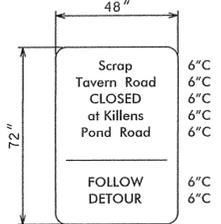
FOLLOW DETOUR US 13 N

SPECIAL SIGNS



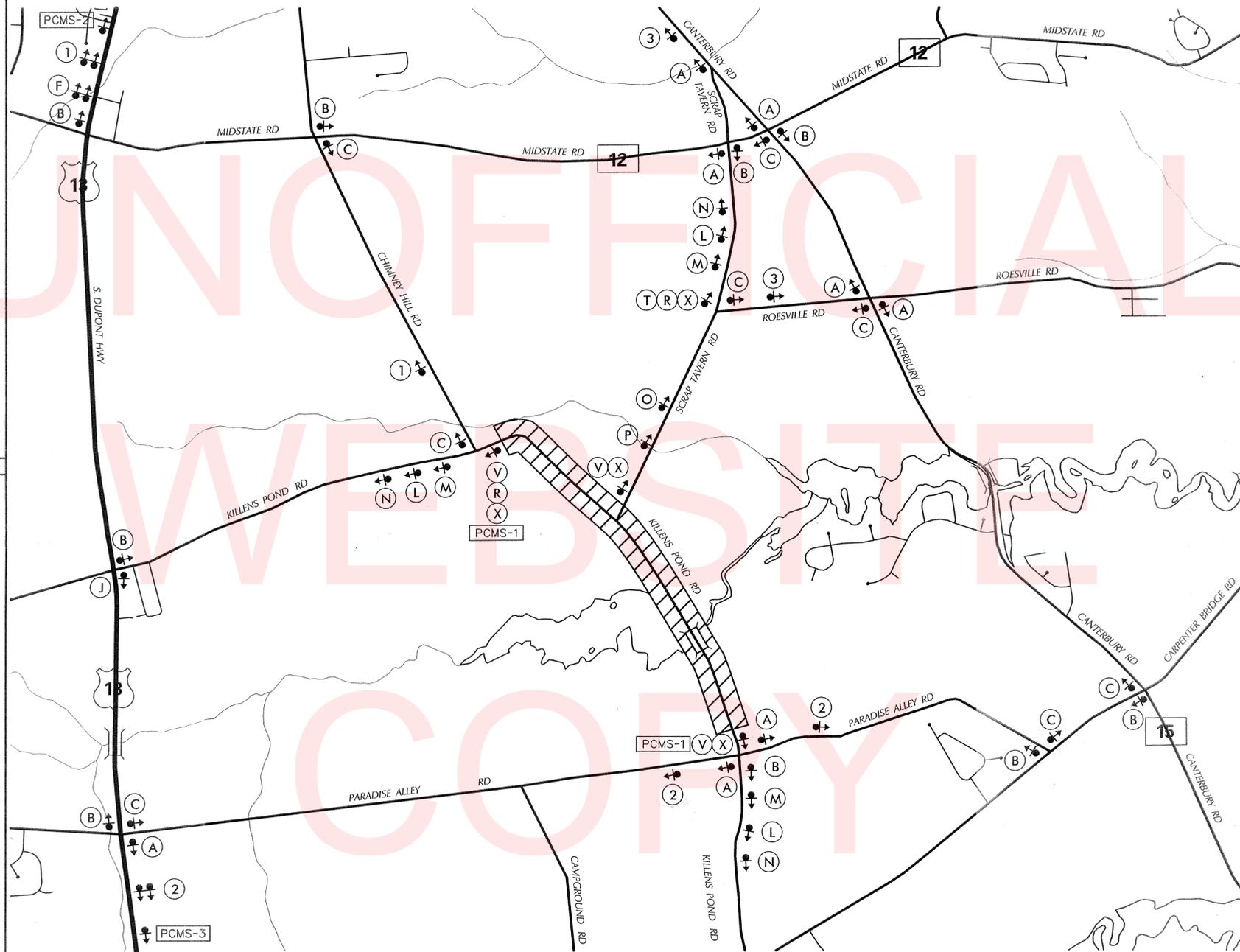
1

2

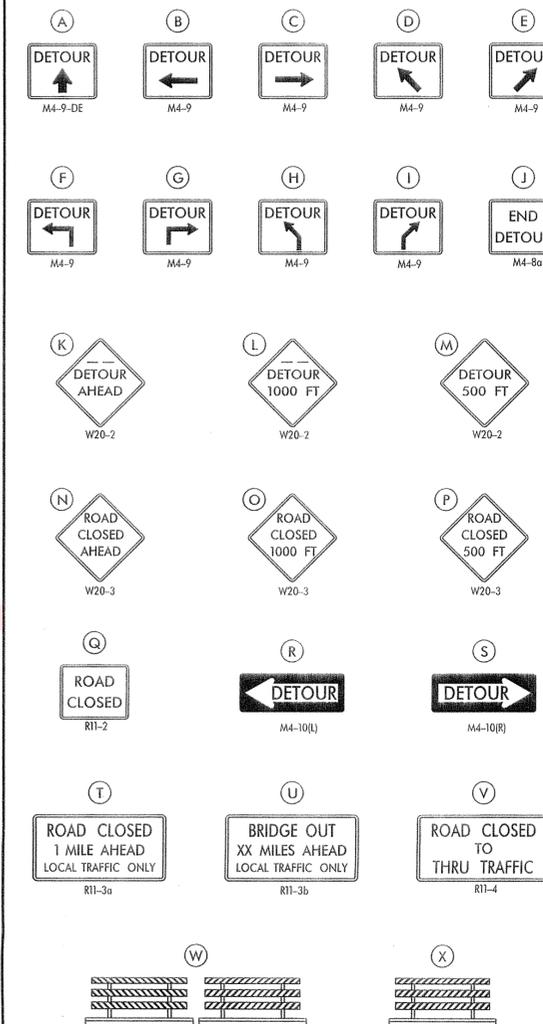


3

ALL SPECIAL SIGNS TO BE BLACK LEGEND ON D/G RETROREFLECTIVE FLUORESCENT ORANGE



LEGEND



GENERAL NOTES

1. ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD).
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD) PART 6 FOR BARRICADES AND SIGNS (AS PER LATEST REVISION).
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD). SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH RED RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF "THE DELAWARE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD) WILL PREVAIL.
7. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
8. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
9. "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
10. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED _____ DATE: _____ RECOMMENDED *[Signature]* DATE: 10-13-14 RECOMMENDED *[Signature]* DATE: 10/8/14 APPROVED CHIEF SAFETY OFFICER _____ DATE: _____ APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 10/16/14

DELAWARE DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

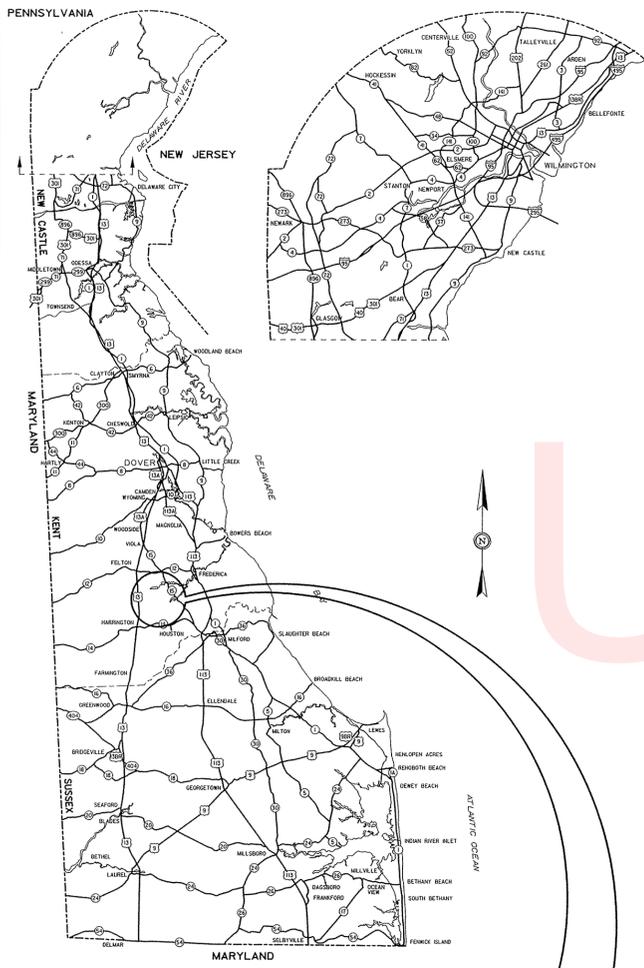
KILLENS POND ROAD, CHIMNEY HILL ROAD TO CARPENTER BRIDGE ROAD

CONTRACT TXXXXXXXXX ROAD NO. K384 COUNTY KENT DESIGNED BY: SWN CHECKED BY: ASW

DETOUR PLAN

SHEET NO.	1
TOTAL SHTS.	2

\\DOTASCD03\CAD\ACTIVE_DESIGN\TRAFFIC\SAFETY\DETOUR_MAPS\SCOTT\3_CENTRAL_KILLENS_POND_ROAD\KILLENS_POND_ROAD\KILLENS_POND_RD.DGN



GENERAL LOCATION OF CONTRACT

THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION



PROPOSED SIGNING & STRIPING PLANS FOR:

PAVEMENT & REHABILITATION
KENT II, 2016

CONTRACT NUMBER: T201606202.01

FEDERAL AID PROJECT NUMBER: N/A

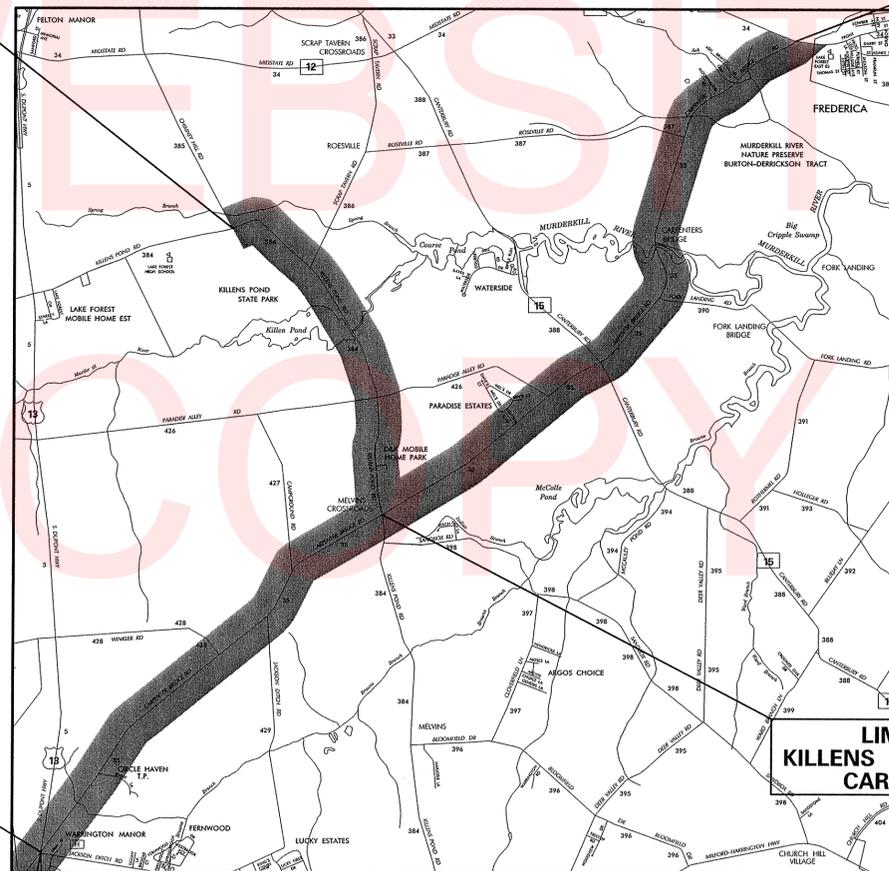
COUNTY: KENT

M.R. #: 35,384

U.S. CUSTOMARY
UNITS
FINAL PLANS

LIMIT OF CONTRACT
KILLENS POND RD (LOCATION 2)
CHIMNEY HILL RD

LIMIT OF CONTRACT
CARPENTER BRIDGE RD (LOCATION 1)
SR 12 (JOHNNYCAKE LANDING ROAD)



LIMIT OF CONTRACT
CARPENTER BRIDGE RD (LOCATION 1)
US 13 (S DUPONT HWY)

LIMIT OF CONTRACT
KILLENS POND RD (LOCATION 2)
CARPENTER BRIDGE RD

DESIGN DESIGNATION

INDEX OF SHEETS

SHEET NO	TABLE OF CONTENTS
1	TITLE SHEET
2	PROJECT NOTES AND DETAILS SHEET
3	PLAN SHEET INDEX
4-26	PROPOSED SIGNING AND STRIPING PLANS - CARPENTERS BRIDGE ROAD, LOCATION 1
27-34	PROPOSED SIGNING AND STRIPING PLANS - KILLENS POND ROAD, LOCATION 2
35,36	SIGN SCHEDULE - CARPENTER BRIDGE ROAD, LOCATION 1
37	SIGN SCHEDULE - KILLENS POND ROAD, LOCATION 2

TOTAL SHEETS: 37

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME

RECOMMENDED

DATE _____

RECOMMENDED

DATE _____

RECOMMENDED

DATE _____

RECOMMENDED

DATE _____

RECOMMENDED

[Signature]
DATE 8/20/2015

APPROVED

[Signature]
DATE 08/20/2015

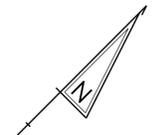
GENERAL NOTES

1. ROADWAY GEOMETRY IS BASED ON AERIAL PHOTOGRAPHY. CONTRACTOR SHALL FOLLOW PROPOSED STRIPING AND PAVEMENT MARKINGS LEGEND. LOCATIONS OF EXISTING STRIPING SHOWN ON AERIAL IS NOT TO BE REPRODUCED.
2. THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT OR THROUGH WRITTEN APPROVAL BY THE ENGINEER.
 - DELDOT - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - 2011 EDITION AND SUBSEQUENT REVISIONS.
 - AASHTO - STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS - 4TH EDITION AND SUBSEQUENT PUBLICATIONS.
 - FHWA - STANDARD HIGHWAY SIGNS - 2004 EDITION AND SUBSEQUENT SUPPLEMENTS.
3. THE CONTRACTOR SHALL INSTALL NEW SIGN POSTS WHERE ADDITIONAL SIGN HEIGHT IS WARRANTED.
4. THE CONTRACTOR SHALL RE-STRIPE CENTER LINE(S) ALONG THE SAME ALIGNMENT(S) AS EXISTING CENTER LINE STRIPING, UNLESS NOTED OTHERWISE. TRAVEL LANE WIDTH DIMENSIONS ARE SHOWN FROM THE STRIPING CENTER LINE(S) TO THE EDGE OF TRAVEL LANE, PLEASE NOTE: SHOULDER WIDTHS VARY THROUGHOUT CORRIDOR.
5. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS (RPMS) PER PART 3 OF THE DELAWARE MUTCD (SEE FIGURES 3B-15D, 3B-15F, AND 3B-15G).
6. THE CONTRACTOR SHALL INSTALL CENTER LINE RUMBLE STRIPS ALONG CARPENTER BRIDGE ROAD PER THE DELDOT DIVISION OF TRANSPORTATION SOLUTIONS' DESIGN GUIDANCE MEMORANDUM 1-18 REVISED.

UNOFFICIAL
WEBSITE
COPY

\\DOTF508\CADD\ACTIVE_DESIGNS\TRAFFIC\PROJECTS\T2016\T201606202.01\STRIPING PLANS\CARPENTERS BRIDGE ROAD\DCNS\BORDER.DGN

 DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		NOT TO SCALE	PAVEMENT & REHABILITATION KENT II, 2016	CONTRACT	BRIDGE NO.	-	PROJECT NOTES AND DETAILS SHEET	SHEET NO.	2
					T201606202.01	DESIGNED BY: JVB			TOTAL SHTS.	37
					COUNTY	CHECKED BY: MS				
					KENT					



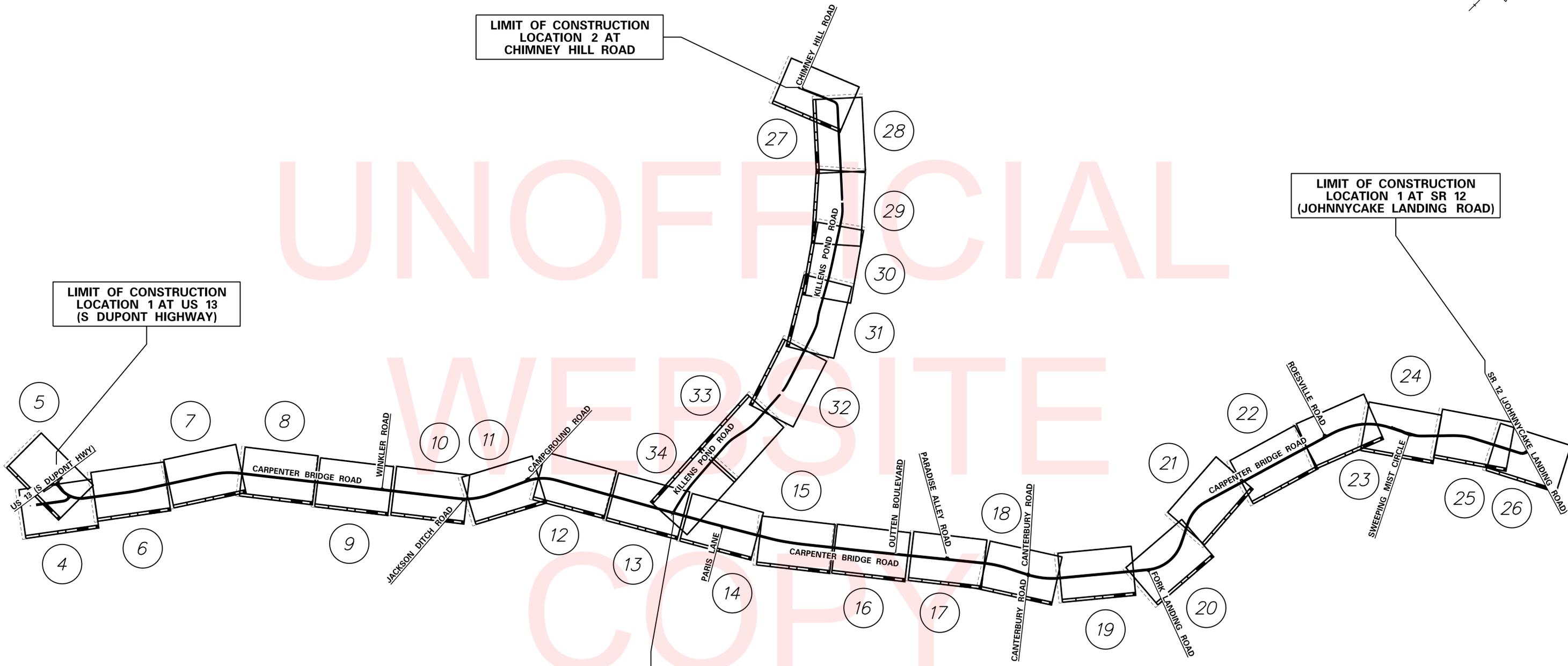
UNOFFICIAL
WEBSITE
COPY

LIMIT OF CONSTRUCTION
LOCATION 2 AT
CHIMNEY HILL ROAD

LIMIT OF CONSTRUCTION
LOCATION 1 AT SR 12
(JOHNNYCAKE LANDING ROAD)

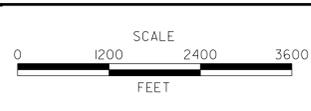
LIMIT OF CONSTRUCTION
LOCATION 1 AT US 13
(S DUPONT HIGHWAY)

LIMIT OF CONSTRUCTION
LOCATION 2 AT
CARPENTER BRIDGE ROAD



\\DOT\F508\CADD\ACTIVE_DESIGNS\TRAFFIC\PROJECTS\T2016\T201606202.01\STRIPING PLANS\CARPENTERS BRIDGE ROAD.DGN\BORDER.DGN

ADDENDUMS / REVISIONS	



CONTRACT	BRIDGE NO.	-
T201606202.01	DESIGNED BY:	JVB
COUNTY	CHECKED BY:	MS
KENT		