

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION
OFFICE OF TRANSPORTATION SOLUTIONS
PLANS AND SPECIFICATIONS FOR

CONTRACT NUMBER- T201206701 CANAL
FEDERAL AID NUMBER- NONE PAGE 1 OF 31
CONTRACT TITLE- MICRO-SURFACING, CANAL, FY 2012

PLANS PREPARED BY: CRAIG P COBURN
CANAL DISTRICT DESIGN ENGINEER

DATE RECOMMENDED: 4/4/11
[Signature]
CANAL DISTRICT CONTRACTS ENGINEER

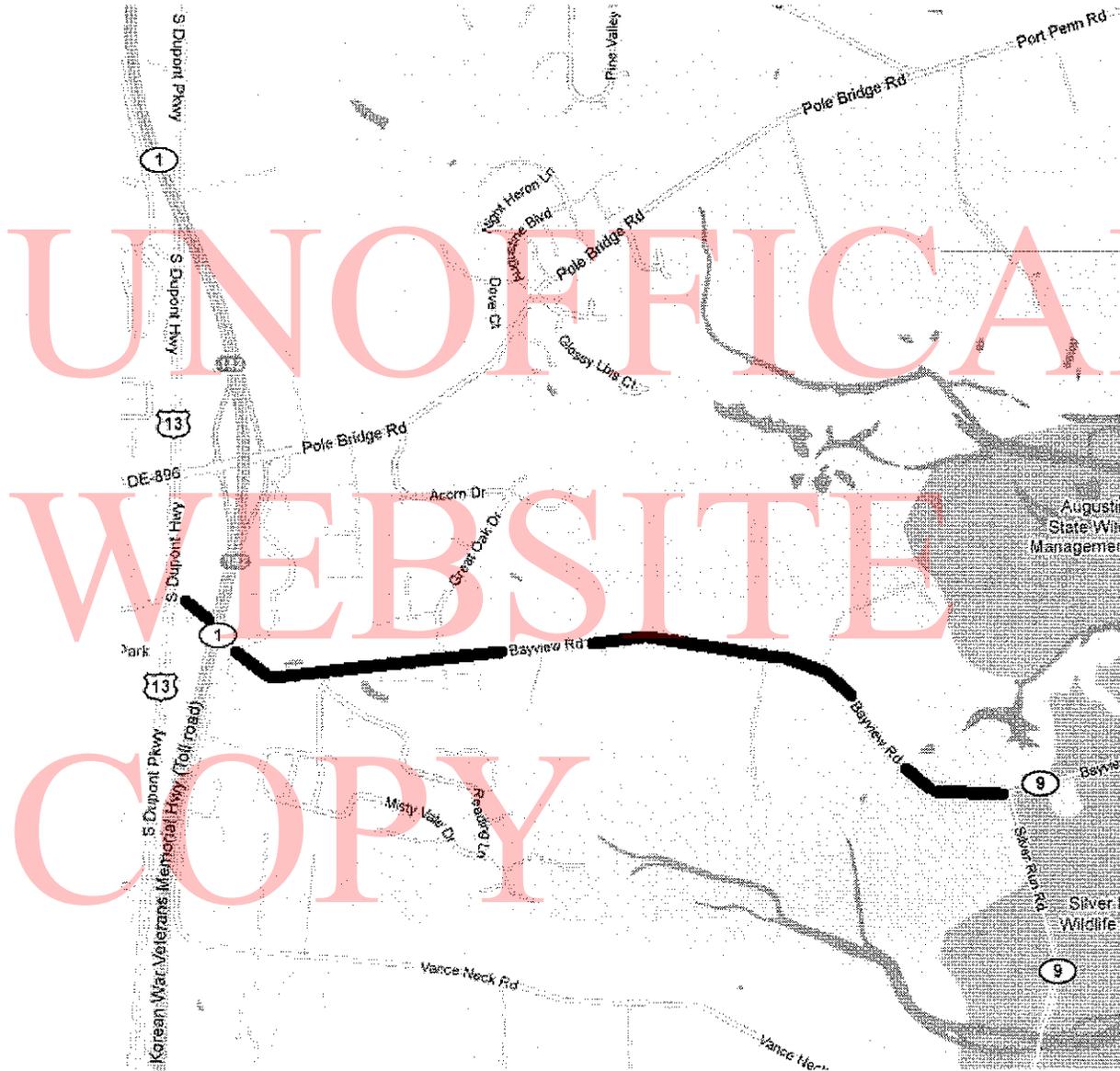
DATE RECOMMENDED: 4/7/11
[Signature]
CANAL DISTRICT MAINTENANCE ENGINEER

DATE APPROVED: 4/13/11
[Signature]
CANAL DISTRICT ENGINEER

UNOFFICIAL
WEBSITE
COPY

VARIOUS LOCATIONS

LOCATION MAP



Location 1 – Bayview Road

VARIOUS LOCATIONS

LOCATION MAP



Location 2 – Brick Mill Road

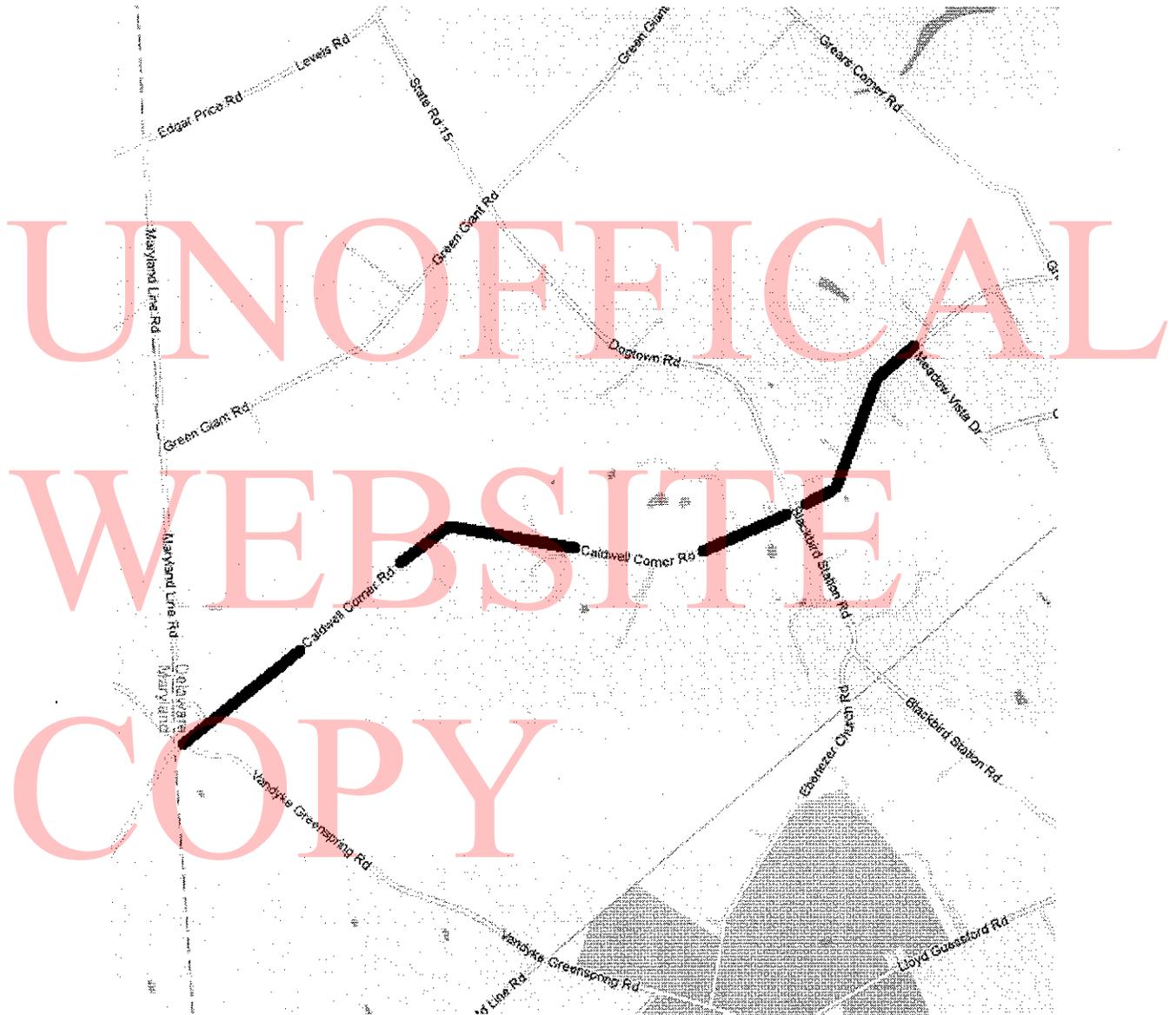
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VARIOUS LOCATIONS

LOCATION MAP



Location 3 – Caldwell Corner Road

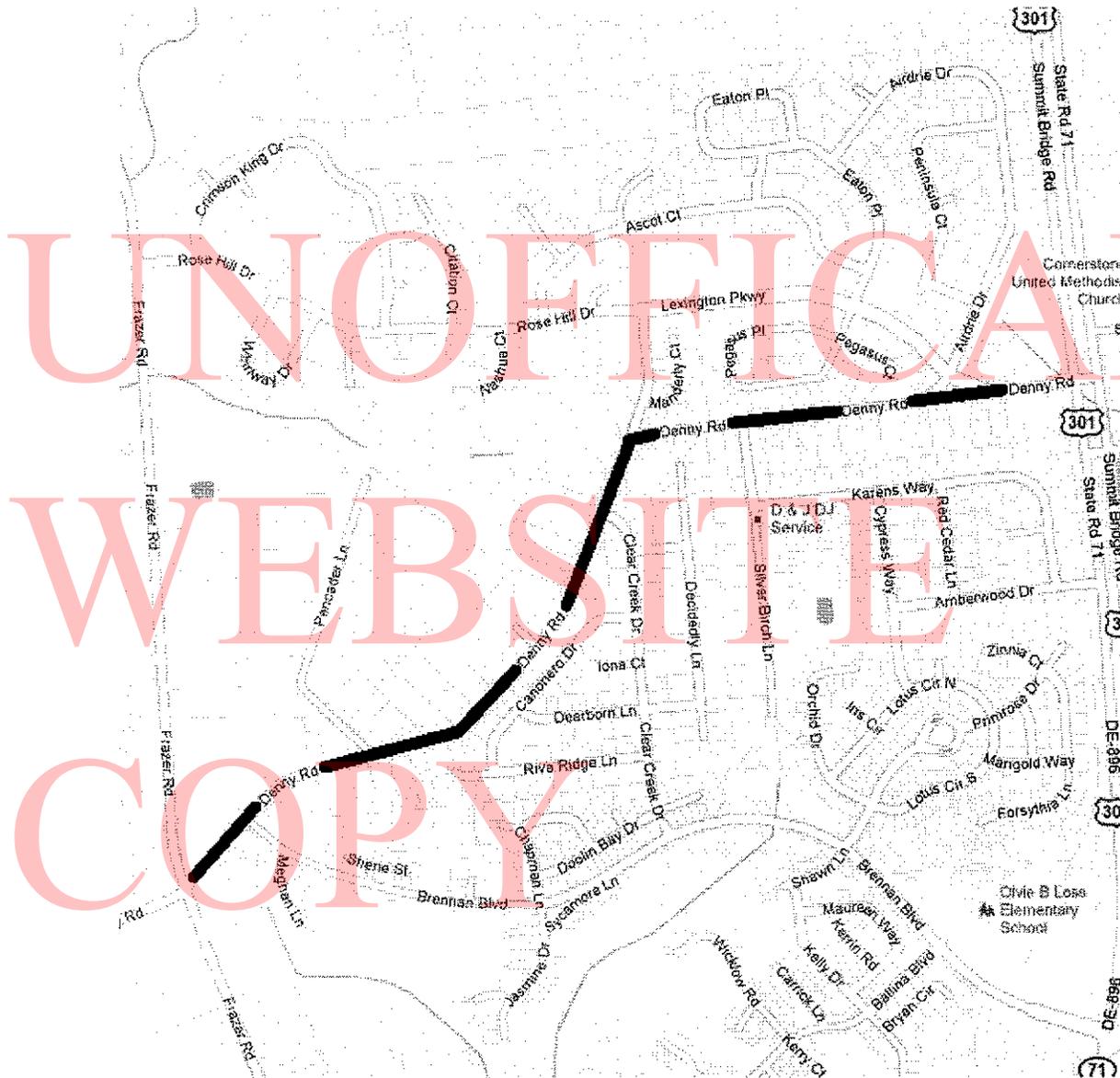
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VARIOUS LOCATIONS

LOCATION MAP



Location 4 – Denny Road

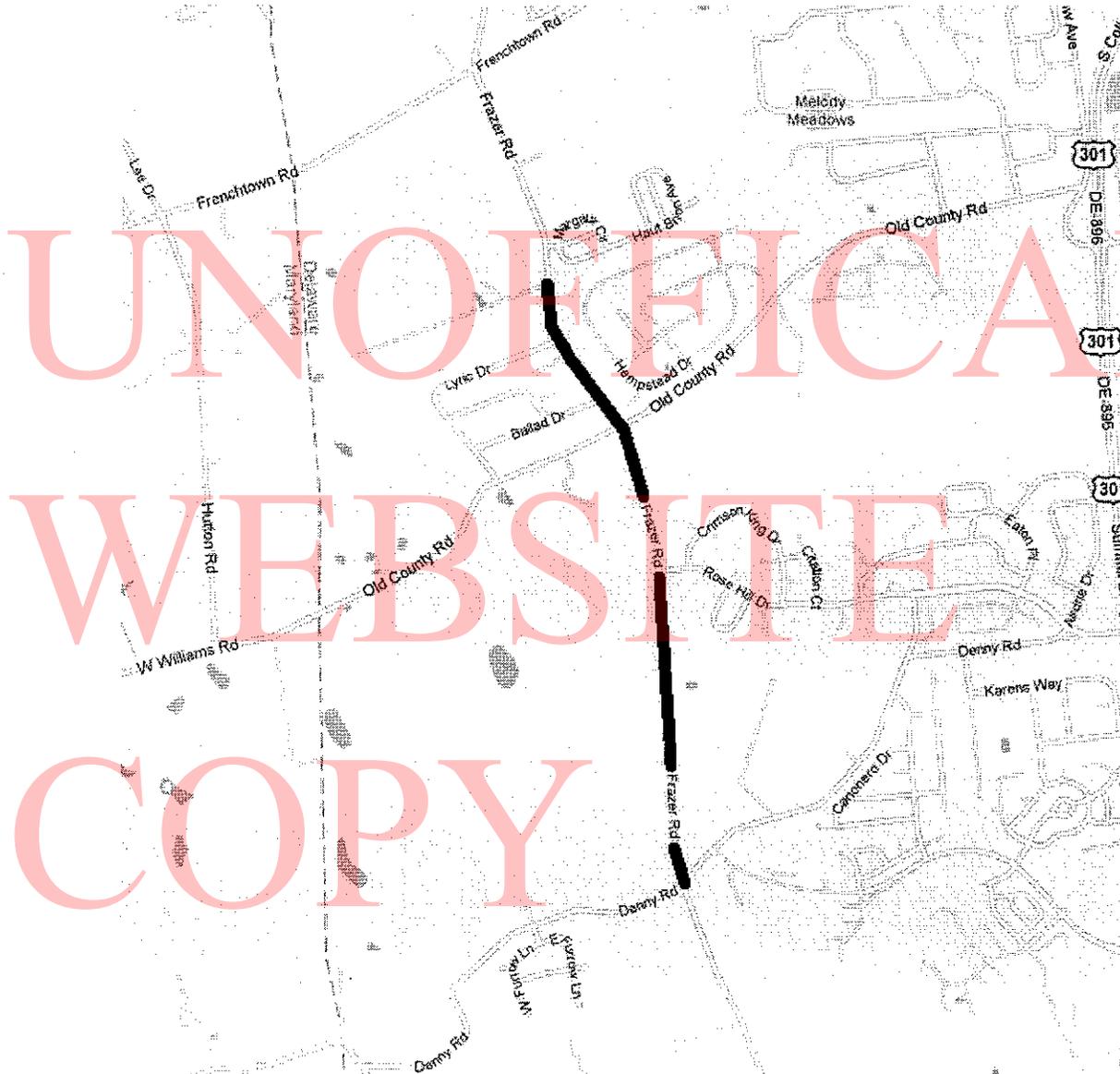
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VARIOUS LOCATIONS

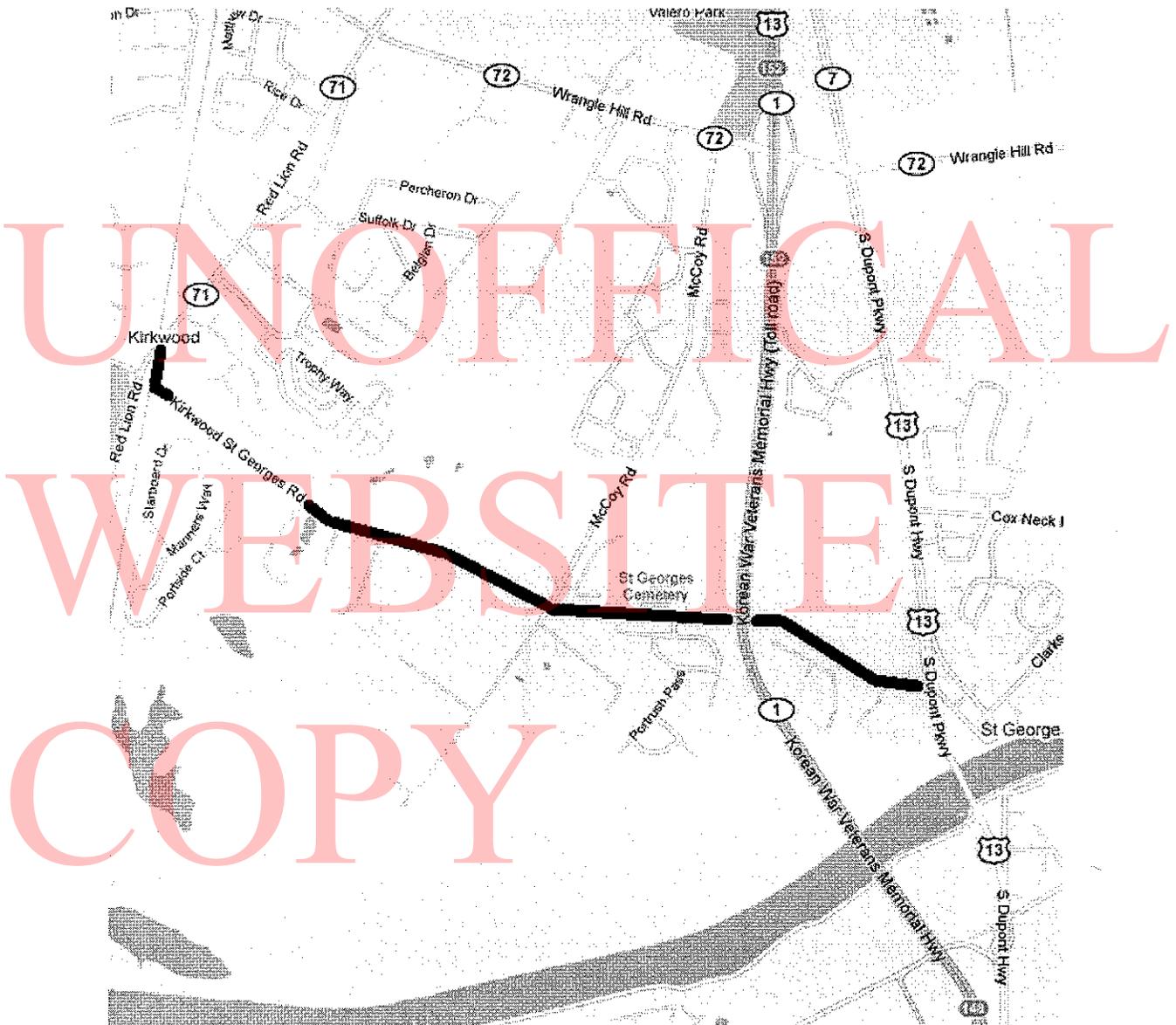
LOCATION MAP



Location 5 – Frazer Road

VARIOUS LOCATIONS

LOCATION MAP



Location 6 – Kirkwood Saint Georges Road

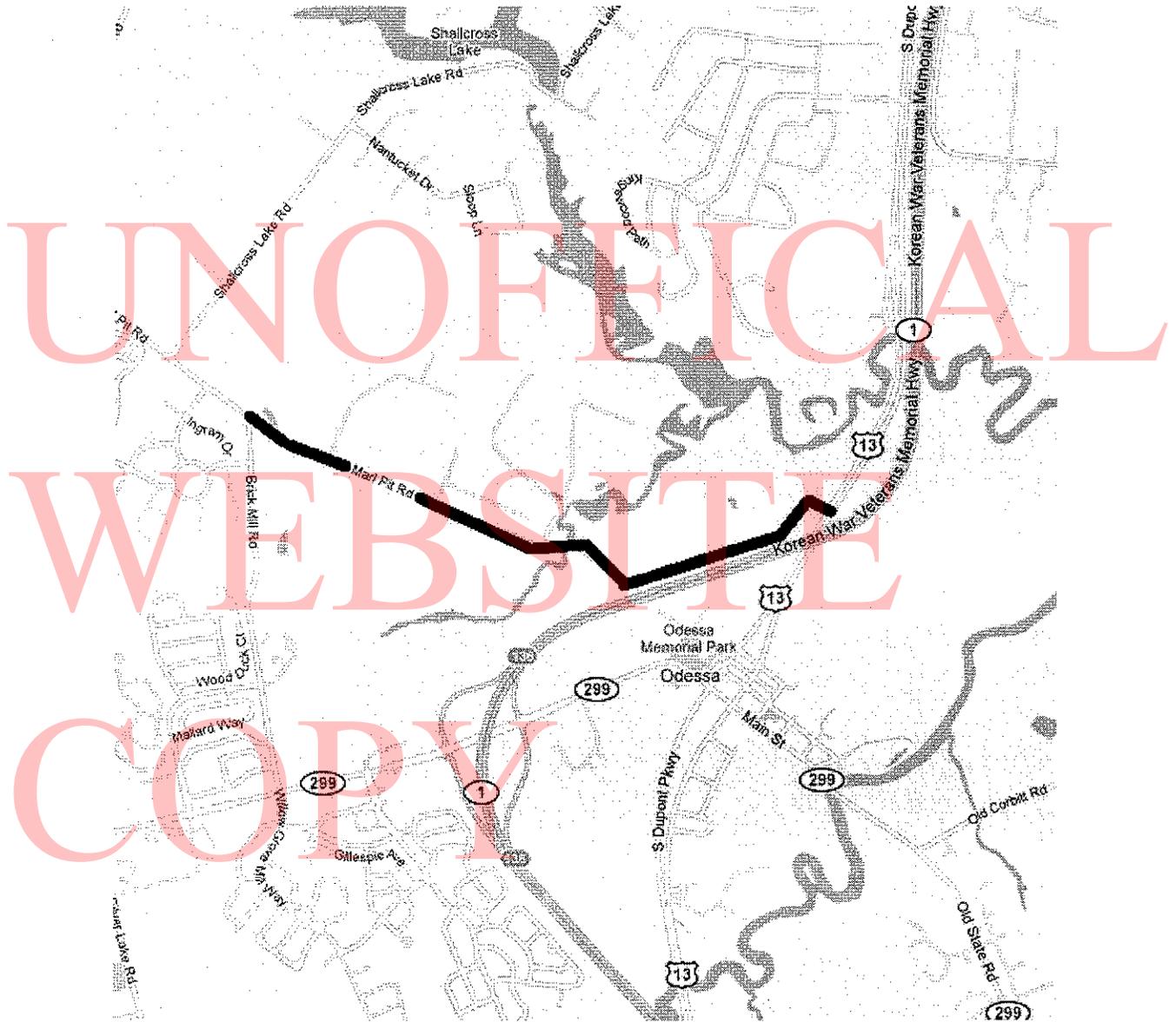
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VARIOUS LOCATIONS

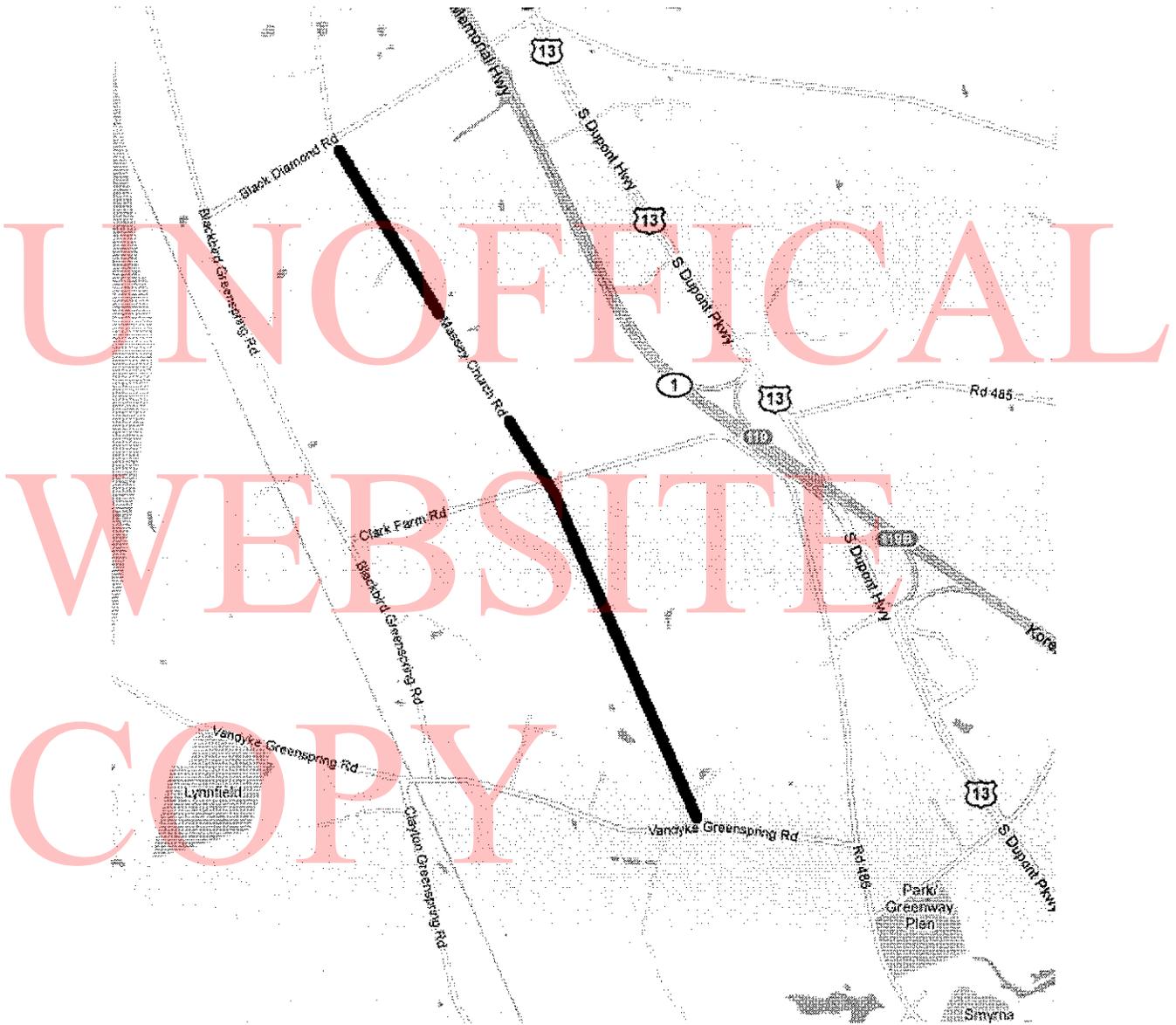
LOCATION MAP



Location 7 – Marl Pit Road

VARIOUS LOCATIONS

LOCATION MAP



Location 8 – Maseys Church Road

VARIOUS LOCATIONS

LOCATION MAP



Location 9 – Old Baltimore Pike

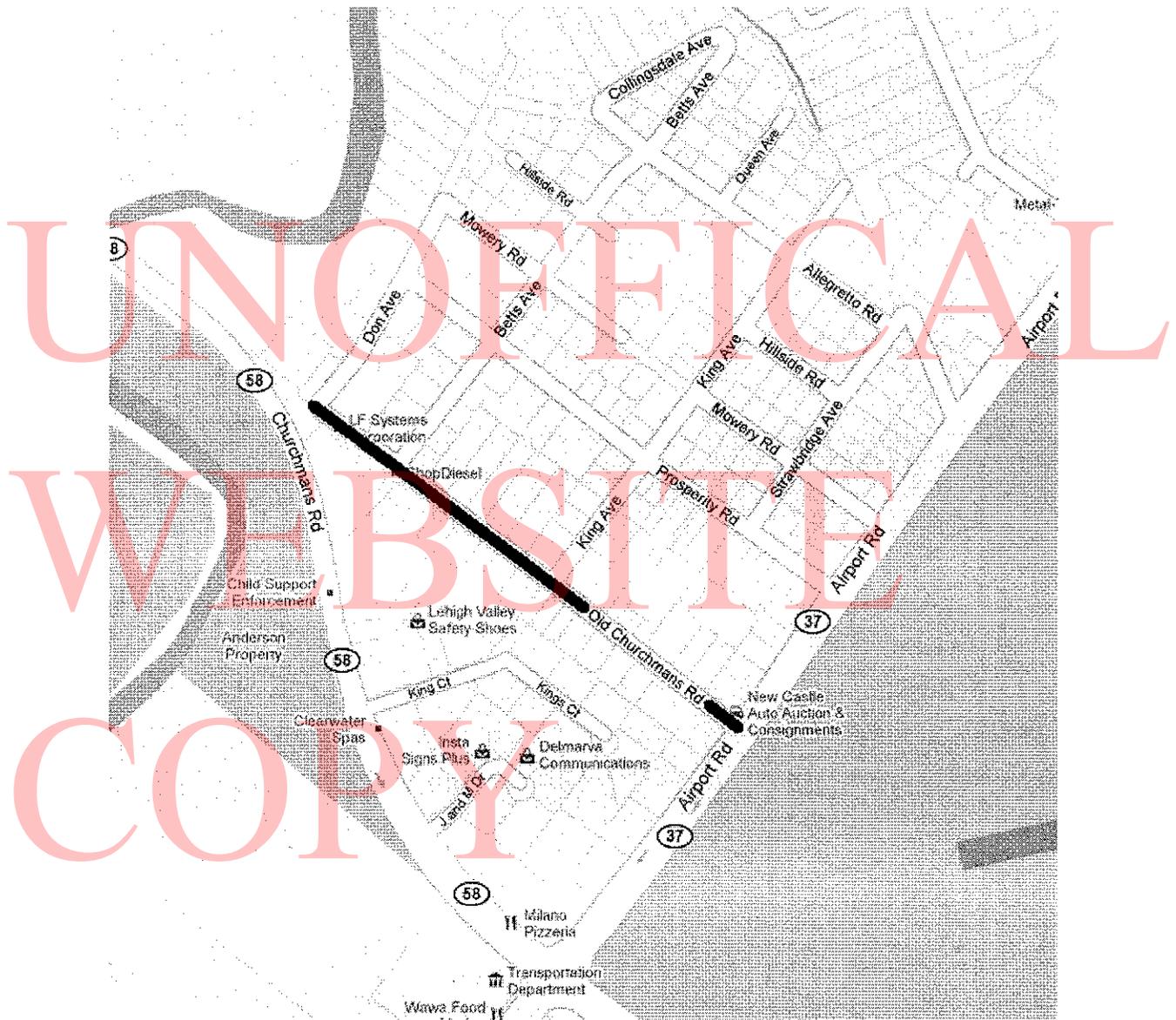
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VARIOUS LOCATIONS

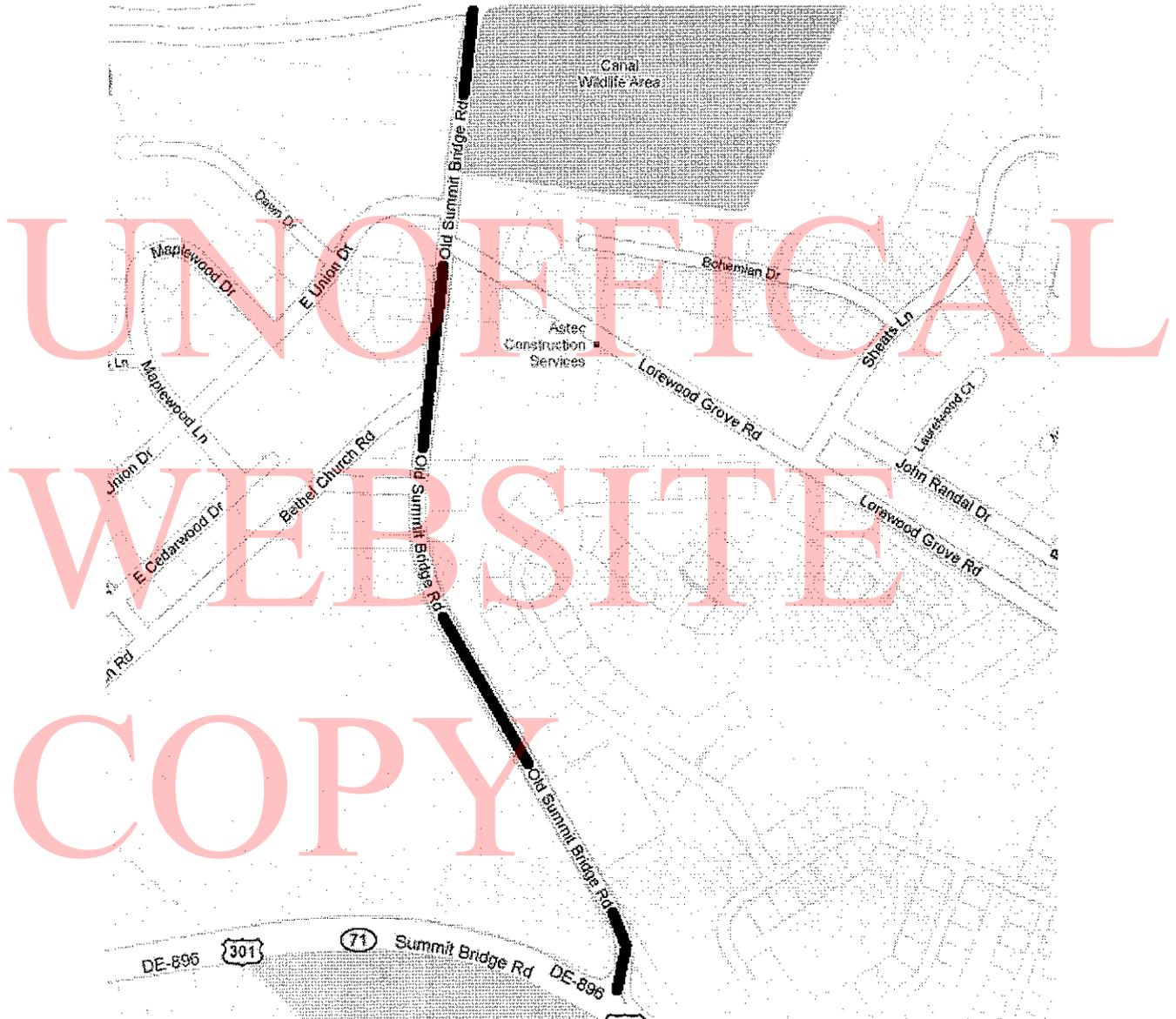
LOCATION MAP



Location 10 – Old Churchmans Road

VARIOUS LOCATIONS

LOCATION MAP



Location 11 – Old Summit Bridge Road

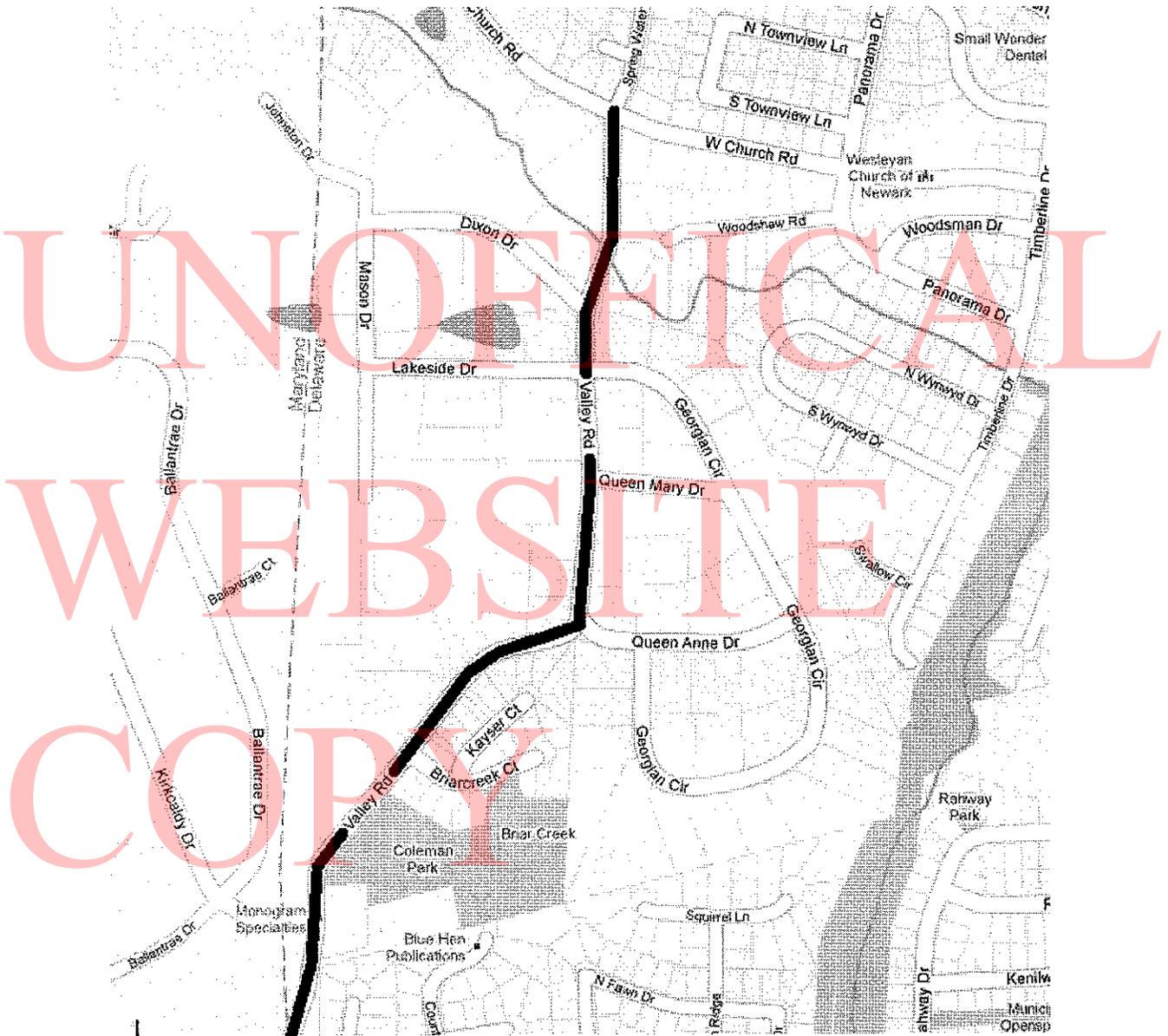
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VARIOUS LOCATIONS

LOCATION MAP



Location 12 – Valley Road

MICRO-SURFACING, CANAL, FY 2012

GENERAL CONTRACT PLAN NOTES

SECTION 100

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, DATED 2001 INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

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

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

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 IS REMINDED THAT SECTION 105.07 OF THE STANDARD SPECIFICATIONS REQUIRES THE GENERAL CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT OR FOREMAN ON THE PROJECT AT ALL TIMES.

SECTION 300

6. SECTION 302007, GRADED AGGREGATE BASE COURSE TYPE B, SHALL BE USED AS BASE MATERIAL FOR NEW CONSTRUCTION OF P.C.C. CURBS, SIDEWALK, AND VALLEY GUTTER.

SECTION 400

7. THE COST OF CLIPPING BACK THE EDGES OF THE ROADWAY, SHOULDERS, AND THE FIRST 3' OF UNPAVED DRIVEWAY ENTRANCES, PICKING UP AND DISPOSING OF WASTE AND EXCESS MATERIAL, AND CLEANING THE EXISTING PAVEMENT PRIOR TO AN OVERLAY SHALL BE INCIDENTAL TO SECTION 401(.). PREPARING UNPAVED DRIVEWAY ENTRANCES BEYOND THE FIRST 3' SHALL BE PAID UNDER THE APPROPRIATE CONTRACT ITEMS: 202000 AND/OR 30200X. UNLESS SPECIFIED, OVERLAY WIDTHS SHALL MATCH EXISTING WIDTHS.

8. AS DIRECTED BY THE DELDOT MATERIALS AND RESEARCH SECTION, LIFT THICKNESS WILL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM DEPTHS. TYPE C: 1.25" to 2.00"; TYPE B: 2.25" to 3.00"; BCBC: 3.00" to 6.00".

MICRO-SURFACING, CANAL, FY 2012

GENERAL CONTRACT PLAN NOTES

SECTION 700

9. PAYMENT FOR SECTION 762001 - SAW CUTTING HOT MIX SHALL BE A SEPARATE PAY ITEM WHETHER OR NOT AN OVERLAY IS A PART OF THE PROPOSED IMPROVEMENTS (WITH THE EXCEPTION OF BUTT JOINTS, DETAILS, AND NOTES TO THE CONTRARY).

10. BUTT JOINTS SHALL BE CONSTRUCTED AT ALL INTERSECTING HOT MIX ROADS AND ANY OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. BUTT JOINTS AT RAILROAD CROSSINGS AND AT BRIDGE OR DRAINAGE STRUCTURES NOT TO BE RESURFACED SHALL BE AS PER THE INCLUDED PLAN DETAIL. BUTT JOINTS CUT PRIOR TO THE DAY OF THE PAVEMENT OVERLAY SHALL BE RAMPED WITH HOT MIX TRM INCIDENTAL TO ITEM 761001 BUTT JOINT. ONLY HOT MIX WILL BE ALLOWED FOR THIS PURPOSE. BUTT JOINTS, IN FULL MILL AREAS SHALL BE INCIDENTAL TO THE PAVEMENT MILLING ITEM. ALL HOT MIX TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATION.

11. WHERE IMPROVEMENTS CALL FOR PLACEMENT OF A 3.5" (90 mm) HOT MIX OVERLAY IT SHALL BE INTERPRETED AS 2 SEPARATE LIFTS. (1.25" (30 mm) TYPE C HOT MIX PLACED OVER 2.25" (60 mm) OF TYPE B HOT MIX)

12. TAPER MILL IMPLIES PAVEMENT MILLING IN THE AREA OF FIXED STRUCTURES, SUCH AS CURBING, WHERE THE MILLED DEPTH AT THE STRUCTURE WILL BE THE DEPTH OF THE PROPOSED OVERLAY AND ZERO INCHES (ZERO mm) AT 6 FEET +/- (2 METERS +/-) AWAY FROM THE STRUCTURE. MILLED DEPTH COMPUTATION WILL BE THE AVERAGE OF THESE TWO.

13. MILLED MATERIAL, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. LATERAL GRADE ADJUSTMENTS IN FULL WIDTH PAVEMENT MILLING OPERATIONS SHALL BE PAID UNDER ITEM 760000 OR 760006 WHICHEVER IS SPECIFIED OR DIRECTED BY THE ENGINEER AT THAT PARTICULAR LOCATION.

14. AFTER PAVEMENT MILLING, ALL RAISED EDGES OF MANHOLES, DRAINAGE INLETS, WATER VALVE BOXES, ETC. SHALL BE RAMPED WITH HOT MIX TRM AT A 20:1 OR FLATTER SLOPE INCIDENTAL TO ITEM 760507 PROFILE MILLING. ALL ADJUSTMENTS SHALL BE MADE NOT MORE THAN SEVEN (7) CALENDER DAYS PRIOR TO THE PLACEMENT OF THE FINAL COURSE OF HOT-MIX PAVEMENT UNLESS OTHERWISE DIRECTED BY THE ENGINEER. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. PAVEMENT MILLING OR COLD PATCH MATERIAL WILL NOT BE ALLOWED FOR THIS PURPOSE. ALL HOT MIX TRM SHALL BE REMOVED PRIOR TO THE PAVING OPERATIONS.

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

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

17. THE BASIS OF MEASURMENT AND PAYMENT FOR ITEM 760006 - PAVEMENT MILLING, 2" (50 mm) DEPTH, SHALL INCLUDE AN AVERAGE OF THE MILLED DEPTH PER LOCATION FROM 1" (25 mm) TO 2.25" (56 mm)

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GENERAL CONTRACT PLAN NOTES

(INCLUSIVE) FOR MEASUREMENT AND PAYMENT PURPOSES. PAYMENT FOR PAVEMENT MILLING DEPTHS WHOSE AVERAGE IS GREATER THAN 2.25" (56 mm) SHALL BE NEGOTIATED BY THE ENGINEER.

18. WHERE IMPROVEMENTS CALL FOR HOT MIX MILLING AND OVERLAY BOTH SHALL BE INTERPRETED AS A TWO-INCH DEPTH UNLESS NOTED DIFFERENTLY IN THE CONTRACT LOCATION OR OTHERWISE DIRECTED BY THE ENGINEER OR HIS DESIGNEE.

19. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 SHALL BE REPLACED. THE ACTUAL LOCATIONS, THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/ FRAMES SHALL BE DELIVERED TO THE NEAREST DISTRICT MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO 708500 REPLACING CATCH BASIN GRATES. FINAL PAYMENT FOR REPLACED GRATES/ FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

20. EXCAVATION FOR THE REPLACEMENT OF P.C.C. CURBS, SIDEWALK OR VALLEY GUTTER SHALL BE INCIDENTAL TO THE PRICE BID FOR THESE RESPECTIVE ITEMS. EXCAVATED MATERIAL, NOT NEEDED ON THE PROJECT, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE PROJECT. IN THE CASE OF NEW SIDEWALK EXCAVATION WILL BE PAID TO THE WIDTH OF THE NEW SIDEWALK UNDER ITEM 202000. ITEM 732500, TOPSOIL, SHALL BE USED AS BACKFILL MATERIAL FOR CURB AND SIDEWALK WHEN SO DIRECTED BY THE ENGINEER. WHEN REPLACEMENT OF CURB AND GUTTER HAS BEEN COMPLETED AND THE FORMS REMOVED AT EACH LOCATION OF THIS CONTRACT, BACKFILLING SHALL BE DONE IMMEDIATELY. COMPLETE RESTORATION, TOPSOIL, SEEDING, AND REMOVAL OF ALL MATERIALS FOR CURB & GUTTER OR SIDEWALK; SEALING OF VALLEY GUTTERS AND PARGING OF DRAINAGE INLETS, SHALL BE COMPLETED WITHIN SEVEN (7) CALENDER DAYS. FAILURE TO COMPLY WILL RESULT IN A SUSPENSION OF ALL OTHER CONTRACT WORK WITH TIME CHARGES CONTINUING TO BE ASSESSED. TOPSOIL SHALL BE SCREENED/SIFTED SO AS NO MATERIAL GREATER THAN .5" SHOULD BE PRESENT IN MATERIAL USED FOR BACKFILL.

21. CURB RAMPS SHALL BE INSTALLED, AT ALL INTERSECTIONS WHERE REQUIRED, IN COMPLIANCE WITH THE MOST CURRENT DELAWARE STANDARD CONSTRUCTION DETAILS AT ALL EXISTING SIDEWALK LOCATIONS WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER IN THE FIELD. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE CURB RAMP TYPE.

22. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PARTIALLY SAW AND FILL WITH AN APPROVED SEALER EXISTING CRACKED CURB AND/OR SIDEWALK. THIS WORK WILL BE INCIDENTAL TO ITEM #762002 SAWCUT - CONCRETE FULL DEPTH.

23. PERTAINING TO PCC & PATCHING, SAWCUTTING IS TO BE PERFORMED PRIOR TO THE REMOVAL OF HOT MIX UNLESS APPROVAL IS GIVEN BY THE ENGINEERS REPRESENTATIVE.

24. AT EACH LOCATION, THE CONTRACTOR SHALL NOTE ALL EXISTING PAVEMENT MARKINGS AND SUBMIT A DRAWING WHICH DEPICTS THE STRIPING PATTERN TO THE DEPARTMENT PRIOR TO THE START OF ANY WORK AT THE LOCATION. INTERNATIONAL ("PIANO KEY") CROSSWALK SYMBOLS CONSISTENT WITH THE MOST CURRENT DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL BE PLACED AT ALL EXISTING CROSSWALK LOCATIONS OR AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE STRIPING ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE TO CORRECT ANY ERRONEOUS

MICRO-SURFACING, CANAL, FY 2012

GENERAL CONTRACT PLAN NOTES

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

AT THE END OF EACH DAYS OPERATION AND BEFORE TRAFFIC IS RETURNED TO UNRESTRICTED ROADWAY USE, TEMPORARY MARKINGS SHALL BE UTILIZED AT LOCATIONS THAT REQUIRE PERMANENT MARKING, WHEN:

- A. EXISTING PAVEMENT IS MILLED AND HOT MIX WILL NOT BE PLACED THE SAME DAY;
- B. MORE THAN A SINGLE COURSE OF HOT MIX IS TO BE PLACED
- C. PERMANENT ROADWAY STRIPING CANNOT BE PLACED ON THE SAME DAY AS THE PLACEMENT OF THE FINAL COURSE OF HOTMIX.

TEMPORARY PAVEMENT STRIPING MUST MATCH PERMANENT PAVEMENT STRIPING IN ALL REGARDS. TEMPORARY PAVEMENT MARKINGS SHALL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY MARKINGS IN GOOD CONDITION SUCH THAT THE PAVEMENT IS PROPERLY DELINEATED AT ALL TIMES. ANY REFRESHING OF THE TEMPORARY MARKINGS WILL BE AT THE CONTRACTOR'S EXPENSE.

PLACEMENT OF TEMPORARY MARKINGS SHALL RECEIVE PRIOR APPROVAL FROM THE ENGINEER. PAYMENT FOR TEMPORARY PAVEMENT MARKING SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 748(xxx) - TEMPORARY MARKINGS, FOR CONDITIONS A ,B & C LISTED ABOVE.

ALL TEMPORARY OR PERMANENT WARNING SIGNS WILL BE COVERED WITH RETROFLECTIVE FLORESCENT SHEETING ON ALUMINUM PANELS, ELIMINATING THE NEED FOR TYPE "B" WARNING LIGHTS ON THESE SIGNS. ALL OF THESE SIGNS SHALL BE MOUNTED ON BREAKAWAY POSTS SUCH THAT THE BOTTOM OF THE SIGN IS 7 FEET ABOVE THE GROUND UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

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

26. WORK SHALL BE PERFORMED IN A MANNER THAT WILL ENSURE THE LEAST PRACTICAL OBSTRUCTION TO THE TRAVELING PUBLIC, CONSISTENT WITH SAFETY STANDARDS AND SHALL COMPLY WITH THE REQUIREMENTS OF THE MOST CURRENT 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).

27. THE CONTRACTOR SHALL PROVIDE RESIDENTS WITH 24 HR. PRIOR WRITTEN NOTICE FOR ALL PHASES OF CONTRACT WORK INCLUDING BUT NOT LIMITED TO: SAWCUTTING FOR P.C.C. OPERATIONS, P.C.C.

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GENERAL CONTRACT PLAN NOTES

REMOVAL AND REPLACEMENT, PAVEMENT MILLING, AND PAVING. THIS NOTICE SHALL BE GIVEN TO ALL RESIDENTS WHOSE PROPERTY IS ADJACENT TO THE STREET ON WHICH WORK IS TO BE PERFORMED. FAILURE TO GIVE PROPER NOTICE WILL RESULT IN A SUSPENSION OF WORK REQUIRING NOTICE, UNTIL PROPER NOTICE IS PROVIDED.

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

29. SEEDING IN SUBDIVISIONS SHALL CONFORM TO 734.03 OF THE STANDARD SPECIFICATIONS - PERMANENT GRASS SEEDING SUBDIVISION CHART.

30. BEFORE WORK IS DONE AT ANY LOCATION, THE APPROPRIATE DISTRICT SAFETY OFFICER MUST APPROVE THE MOT FOR THAT LOCATION. ANY ANTICIPATED IMPACT TO TRAFFIC SIGNALS MUST BE REVIEWED BY THE DELDOT TRAFFIC SECTION PRIOR TO CONSTRUCTION. THEY CAN BE CONTACTED AT 302-659-4060.

31. 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. 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 SATISFACRTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.

32. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING THE NECESSARY NCHRP 350 CERTIFICATIONS FOR ALL DEVICES THAT WILL BE UTILIZED, FOR EACH LOCATION BEFORE THE START OF THE PRE-CONSTRUCTION MEETING. WRITTEN APPROVAL MUST BE RECEIVED BEFORE THE START OF WORK AT EACH AND EVERY LOCATION.

33. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH THE TRAFFIC CONTROL MANUAL AND NCHRP 350 AS DEFINED IN SECTION "A" OF THE MANUAL. THE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT.

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LOCATION 1 (BAYVIEW ROAD) FROM US 13 TO SR 9

LENGTH 4242.816 m 13920 L.F. AADT 518

GENERAL IMPROVEMENTS

HOT MIX PATCHING, CRACK SEALING AND MICROSURFACING

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MATERIAL ESTIMATE FOR LOCATION 1

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	1,300.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	57,300.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	300.00 TON
406001	HOT-MIX PATCHING	22,900.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	27,900.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	400.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	40.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	10.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	150.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	55,220.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	50.00 S.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	55,220.00 L.F.
762001	SAW CUTTING, HOT MIX	850.00 L.F.

** DENOTES FIXED PRICE ITEM

LOCATION 2 (BRICK MILL ROAD) FROM SR 299 TO MARL PIT ROAD

LENGTH 1805.94 m 5925 L.F. AADT 4174

GENERAL IMPROVEMENTS

HOT MIX PATCHING, CRACK SEALING AND MICROSURFACING

COMMENTS:

Restricted Work Hours: 9:00 am to 3:00 pm

MOT: Brick Mill Elementary School

MATERIAL ESTIMATE FOR LOCATION 2

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	650.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	27,000.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	150.00 TON
406001	HOT-MIX PATCHING	11,600.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	16,500.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	280.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	30.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	7.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	550.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	24,310.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	95.00 S.F.
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	525.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	24,310.00 L.F.
762001	SAW CUTTING, HOT MIX	530.00 L.F.

** DENOTES FIXED PRICE ITEM

LOCATION 3 (CALDWELL CORNER ROAD) FROM MARYLAND LINE TO MEADOW VISTA DRIVE

LENGTH 4450.08 m 14600 L.F. AADT 1062

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT: Recommend temporary road closure during operations due to narrow road width.

MATERIAL ESTIMATE FOR LOCATION 3

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	700.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	36,500.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	200.00 TON
406001	HOT-MIX PATCHING	12,750.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	29,200.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	264.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	30.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	11.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	117,000.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	59,000.00 L.F.
762001	SAW CUTTING, HOT MIX	500.00 L.F.

** DENOTES FIXED PRICE ITEM

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 4 (DENNY ROAD) FROM FRAZER ROAD TO SR 896

LENGTH 2560.32 m 8400 L.F. AADT 2203

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT Notes: Should possibly consider closing road during operations (no case number in Del MUTCD book for temporary closure).

MATERIAL ESTIMATE FOR LOCATION 4

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	1,500.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	18,700.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	115.00 TON
406001	HOT-MIX PATCHING	26,000.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	16,800.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	315.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	32.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	13.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	100.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	67,200.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	300.00 S.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	34,000.00 L.F.
762001	SAW CUTTING, HOT MIX	570.00 L.F.

** DENOTES FIXED PRICE ITEM

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 5

(FRAZER ROAD) FROM DENNY ROAD TO MCDANIEL LANE

LENGTH 2916.936 m 9570 L.F. AADT 3176

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT: Recommend temporary road closure during operations due to narrow road width.

MATERIAL ESTIMATE FOR LOCATION 5

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	4,500.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	23,000.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	115.00 TON
406001	HOT-MIX PATCHING	81,000.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	19,140.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	450.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	45.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	14.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	76,560.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	38,280.00 L.F.
762001	SAW CUTTING, HOT MIX	21.00 L.F.

** DENOTES FIXED PRICE ITEM

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 6

(KIRKWOOD-ST GEORGES ROAD) FROM MAIN STREET TO SR 71

LENGTH 4023.36 m 13200 L.F. AADT 2272

GENERAL IMPROVEMENTS

CRACK AND JOINT SEALING ANDN A MICROSURFACE OVERLAY

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MATERIAL ESTIMATE FOR LOCATION 6

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	125.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	42,550.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	215.00 TON
406001	HOT-MIX PATCHING	2,300.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	26,400.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	300.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	30.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	9.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	205.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	105,600.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	15.96 S.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	52,800.00 L.F.
762001	SAW CUTTING, HOT MIX	100.00 L.F.

** DENOTES FIXED PRICE ITEM

LOCATION 7 (MARL PIT ROAD) FROM US 13 TO BRICK MILL ROAD

LENGTH 3124.2 m 10250 L.F. AADT 217

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MATERIAL ESTIMATE FOR LOCATION 7

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	500.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	37,000.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	200.00 TON
406001	HOT-MIX PATCHING	9,050.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	20,500.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	200.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	20.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	8.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	15.50 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	57,500.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	31.00 S.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	29,000.00 L.F.
762001	SAW CUTTING, HOT MIX	450.00 L.F.

** DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 8 (MASSEY CHURCH ROAD) FROM VAN DYKE GREENSPRING ROAD TO BLACK DIAMOND ROAD

LENGTH 3779.52 m 12400 L.F. AADT 1924

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT: Recommend temporary road closure during operations due to narrow road width.

MATERIAL ESTIMATE FOR LOCATION 8

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	1,450.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	29,000.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	150.00 TON
406001	HOT-MIX PATCHING	26,000.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	24,800.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	270.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	30.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	11.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	50,000.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	25,000.00 L.F.
762001	SAW CUTTING, HOT MIX	700.00 L.F.

** DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 9

(OLD BALTIMORE PIKE) FROM SR 896 TO OTTS CHAPEL ROAD

LENGTH 2529.84 m 8300 L.F. AADT 31301

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 9:00 pm to 5:00 am (High AADT).
Work must wait until Newark Toll Plaza project is complete.

MOT: Recommend intermittent lane closure.

MATERIAL ESTIMATE FOR LOCATION 9

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	1,100.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	44,500.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	220.00 TON
406001	HOT-MIX PATCHING	19,300.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	16,600.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	420.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	42.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	13.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	1,750.00 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	66,400.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	5,250.00 S.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	33,200.00 L.F.
762001	SAW CUTTING, HOT MIX	716.00 L.F.

** DENOTES FIXED PRICE ITEM

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 10 (OLD CHURCHMANS ROAD) FROM AIRPORT ROAD TO END

LENGTH 627.888 m 2060 L.F. AADT 1668

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT Notes: Should possibly consider closing road during daily operations (no case number in Del MUTCD book for temporary closure).

MATERIAL ESTIMATE FOR LOCATION 10

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	140.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	5,100.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	28.00 TON
406001	HOT-MIX PATCHING	2,300.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	4,120.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	75.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	120.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	15.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	5.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	8,240.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	4,120.00 L.F.
762001	SAW CUTTING, HOT MIX	100.00 L.F.

** DENOTES FIXED PRICE ITEM

CONTRACT T201206701

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CANAL

MICRO-SURFACING, CANAL, FY 2012

LOCATION 11 (OLD SUMMIT BRIDGE ROAD) FROM SR 896 TO DEAD END

LENGTH 1219.2 m 4000 L.F. AADT 2685

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MATERIAL ESTIMATE FOR LOCATION 11

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	280.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	14,700.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	75.00 TON
406001	HOT-MIX PATCHING	4,950.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	8,000.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	150.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	15.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	6.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	16,000.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	8,000.00 L.F.
762001	SAW CUTTING, HOT MIX	20.00 L.F.

** DENOTES FIXED PRICE ITEM

LOCATION 12

(VALLEY ROAD (N 362)) FROM MARYLAND LINE TO CHURCH ROAD

LENGTH 991.2096 m 3252 L.F. AADT 606

GENERAL IMPROVEMENTS

MICROSURFACING, CRACK AND JOINT SEALING, LESS THAN 3/4"

COMMENTS:

Restricted Work Hours: 8:00 am to 4:00 pm

MOT Notes: Intermittent lane closure. Should possibly consider closing road during operations (no case number in Del MUTCD book for temporary closure).

MATERIAL ESTIMATE FOR LOCATION 12

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	475.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	8,000.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	40.00 TON
406001	HOT-MIX PATCHING	8,250.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	6,900.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	10.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	96.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	10.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	6.00 EA-DY
748019	TEMPORARY MARKINGS, PAINT, 4"	13,008.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	6,600.00 L.F.
762001	SAW CUTTING, HOT MIX	300.00 L.F.

** DENOTES FIXED PRICE ITEM

DELAWARE DEPARTMENT OF TRANSPORTATION

CONTRACT: T201206701

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CANAL MICRO-SURFACING, CANAL, FY 2012

CONTRACT QUANTITIES SUMMARY SHEET

401667	SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22 PATCHING	12,720.00 TON
403510	POLYMER-MODIFIED EMULSION MICRO-SURFACING	343,350.00 S.Y.
403511	POLYMER-MODIFIED EMULSION MICRO-SURFACING	1,808.00 TON
406001	HOT-MIX PATCHING	226,400.00 SY-IN
503501	CRACK AND JOINT SEALING LESS THAN 3/4" WIDE	216,860.00 L.F.
743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN	185.00 EA-DY
743050	** FLAGGER, NEW CASTLE COUNTY, STATE	3,265.00 HOUR
743062	** FLAGGER, NEW CASTLE COUNTY, STATE, OVERTIME	339.00 HOUR
743537	FURNISH AND MAINTAIN TRUCK-MOUNTED ATTENUATOR, TYPE II	113.00 EA-DY
748015	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	2,770.50 S.F.
748019	TEMPORARY MARKINGS, PAINT, 4"	657,038.00 L.F.
748026	TEMPORARY MARKINGS, PAINT SYMBOL/LEGEND	5,741.96 S.F.
748027	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, 12"	525.00 L.F.
748506	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, 4"	369,530.00 L.F.
762001	SAW CUTTING, HOT MIX	4,857.00 L.F.
763000	INITIAL EXPENSE	LUMP SUM
763643	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP SUM

** DENOTES FIXED PRICE ITEM