

THE STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION  
MAINTENANCE AND OPERATIONS  
CONSTRUCTION PLANS AND SPECIFICATIONS FOR  
CONVERSION ROADS, SOUTH, 2019

CONTRACT NUMBER - T201906901.01

PRIMAVERA ID - 19-19001

FEDERAL AID NUMBER - NONE

COUNTY: SUSSEX

PLANS PREPARED BY:

*L. W. Platner*

DESIGNER

DELDOT STORMWATER ENGINEER:

*Vincent W. Davis, P.E.*

DATE:

*6 Nov 2019*

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS AND THAT ALL CLEARING, GRADING, AND CONSTRUCTION WILL BE ACCOMPLISHED PURSUANT TO THE PLAN."

COPY

*Matthew J. Schlitter*

DELDOT - CE IV/PROJECT MANAGER

MAINTENANCE AND OPERATIONS - (SOD)

*11/6/19*

DATE



THIS SEAL APPLIES TO ALL SHEETS BEARING THE "SOD" SECTION DESIGNATION

APPROVED FOR ADVERTISEMENT

*[Signature]*

DIRECTOR OF MAINTENANCE AND OPERATIONS

*11-6-19*

DATE

**DEPARTMENT OF TRANSPORTATION**

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SOUTH DISTRICT

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**CONTRACT DESCRIPTION**

The purpose of this contract is to convert existing surface treated roadways in Sussex County to Bituminous Pavement. The locations are listed below, however the Department reserves the right to add or delete locations and/or quantities with no change in unit prices. The work shall include bituminous overlays with wedging and patching, guardrail upgrades, ADA upgrades, pipe replacements, striping, topsoiling, seeding, mulching, restoration, Maintenance of Traffic (MOT) and any work associated with each location.

The specific work sites are listed below:

<b>Location</b>	<b>Rd Description</b>	<b>From</b>	<b>To</b>	<b>Length</b>
1	S259 (Carpenter Rd)	S22 (Harbeson Rd)	S258 (Hudson Rd)	2.01
2	S290 (Cool Spring Rd)	S280 (Stockley Rd)	S18 (Lewes-Georgetown Hwy)	2.81
3	S292 (Forest Rd)	S280 (Stockley Rd)	S290 (Cool Spring Rd)	1.18
4	S364 (Camp Barnes Rd)	S363 (Double Bridges Rd)	End of Roadway	1.64
5	S389 (Dickerson Rd)	S58 (Lighthouse Rd)	S390 (Johnson Rd)	0.67
6	S421 (Carey's Camp Rd)	S24 (Laurel Rd)	S431 (Conaway Rd)	2.54
7	S421 (Carey's Camp Rd)	S62 (Whaleys Rd)	S24 (Laurel Rd)	3.06
8	S451 (Salt Barn Rd)	S1 (Sussex Hwy)	S70 (Gordy Rd)	2.27
9	S515 (Bacons Rd)	S510 (Horse Church Rd)	S13 (BiState Blvd)	1.85
10	S565 (Deer Forest Rd)	S592 (Russel Rd)	S579 (Robbins Rd)	1.47
			<b>Total</b>	<b>19.50 miles</b>

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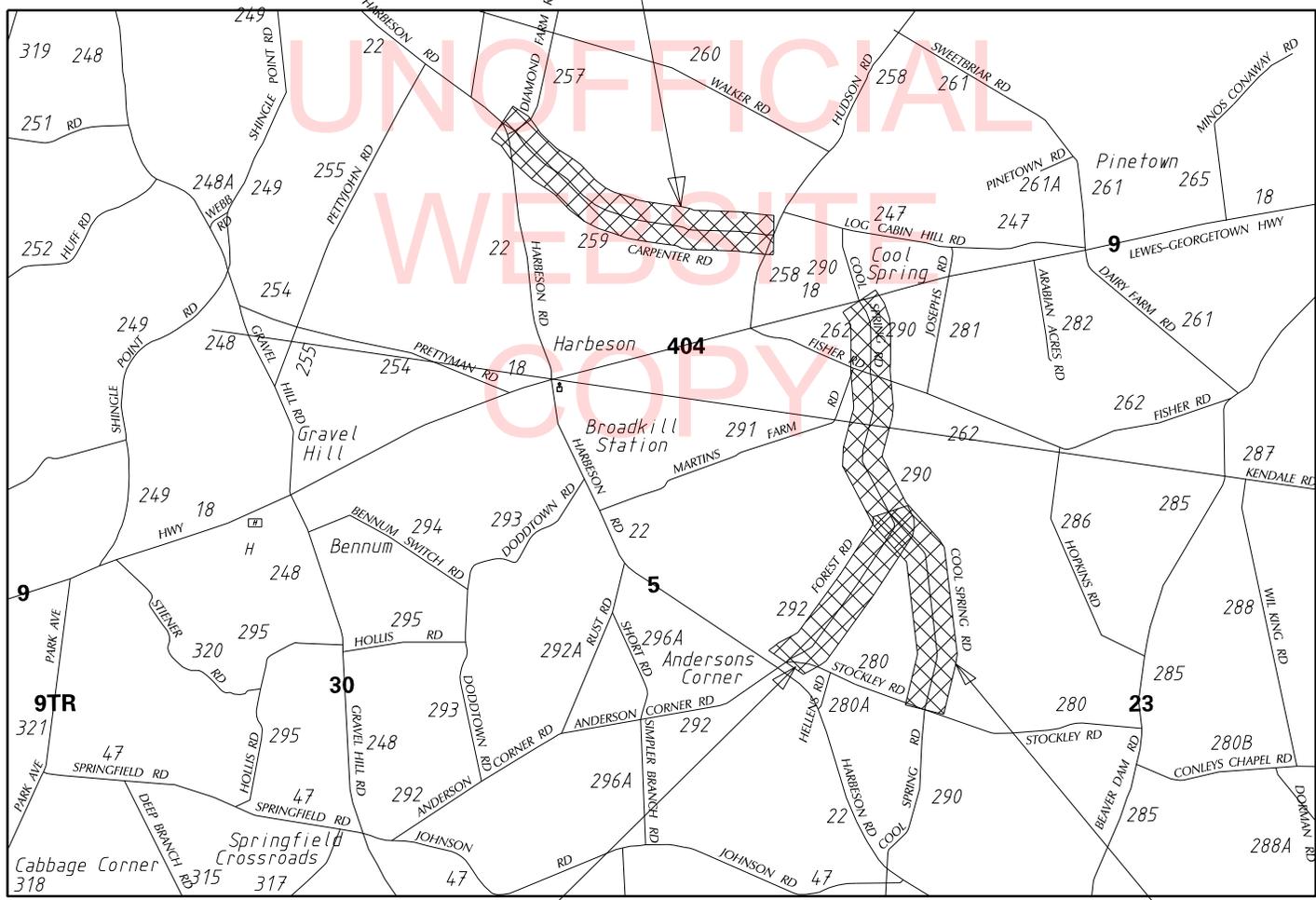
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LOCATION MAP

LOCATION 1  
S259 CARPENTER RD  
FROM S22 HARBESON RD  
TO S258 HUDSON RD



LOCATION 3  
S292 FOREST RD  
FROM S280 STOCKLEY RD  
TO S290 COOL SPRING RD

LOCATION 2  
S290 COOL SPRING RD  
FROM S280 STOCKLEY RD  
TO S18 LEWES-GEORGETOWN HWY

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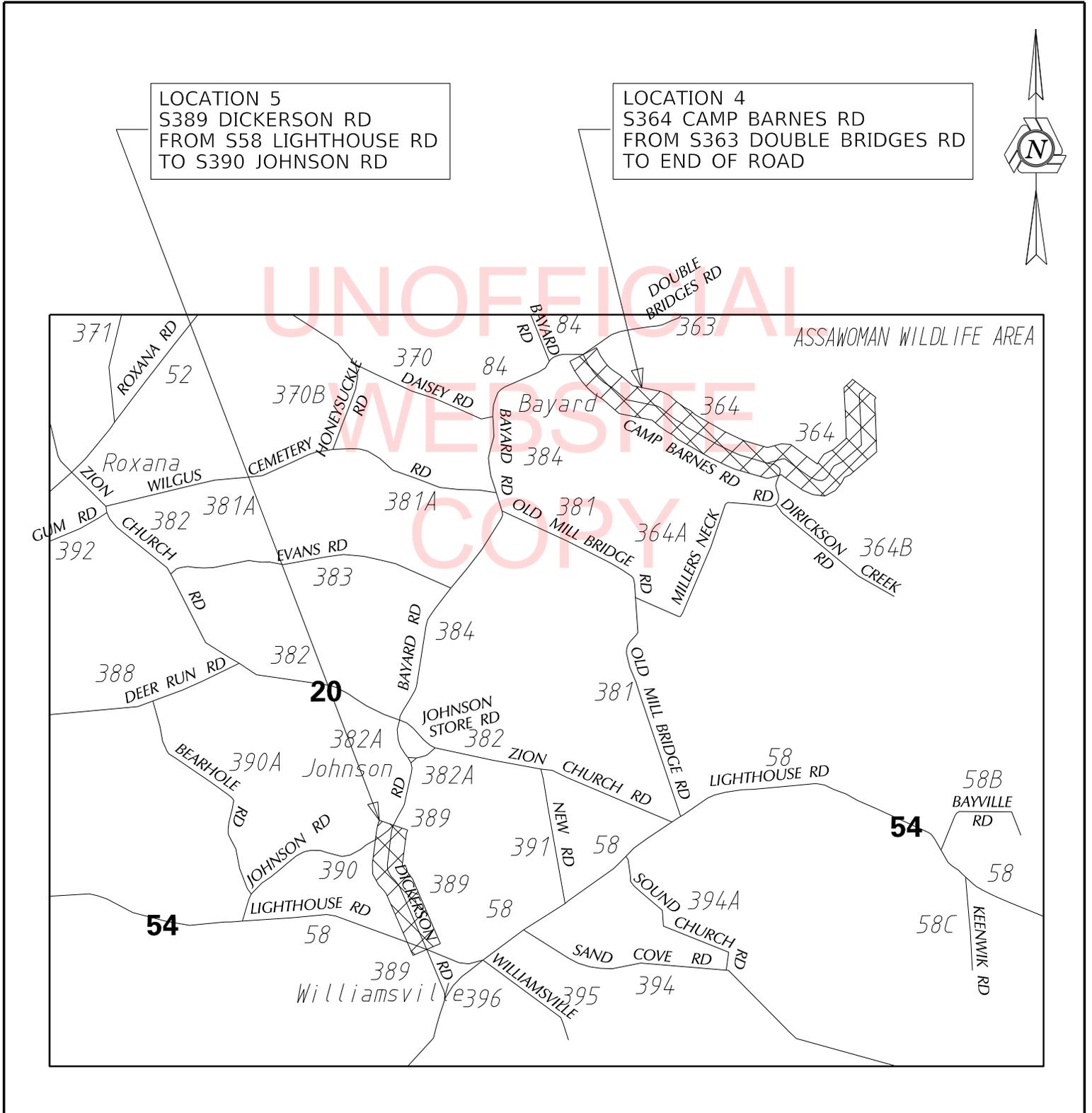
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LOCATION MAP



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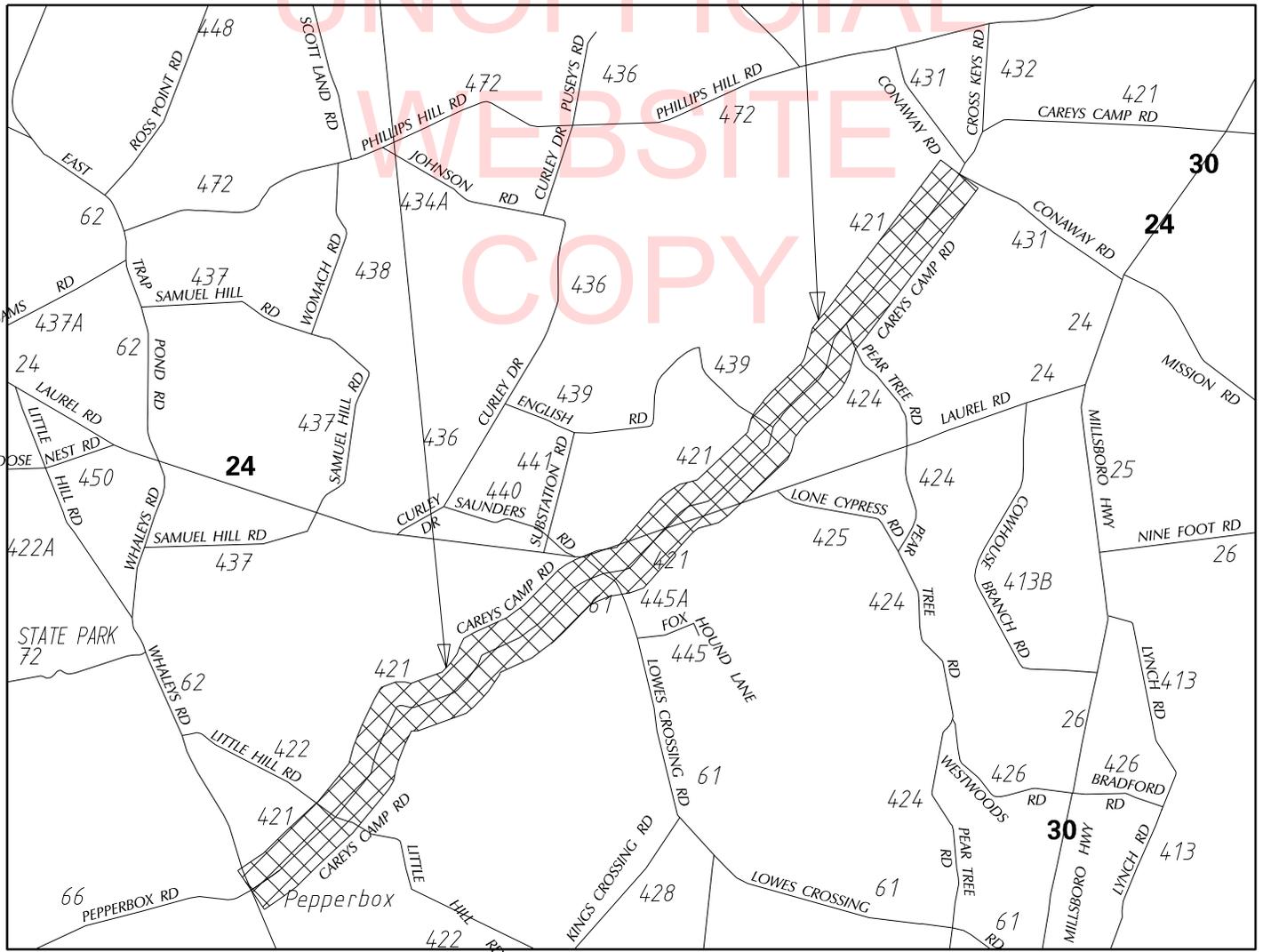
LOCATION MAP

LOCATION 7  
S421 CAREYS CAMP RD  
FROM S62 WHALEYS RD  
TO S24 LAUREL RD

LOCATION 6  
S421 CAREYS CAMP RD  
FROM S24 LAUREL RD  
TO S431 CONAWAY RD



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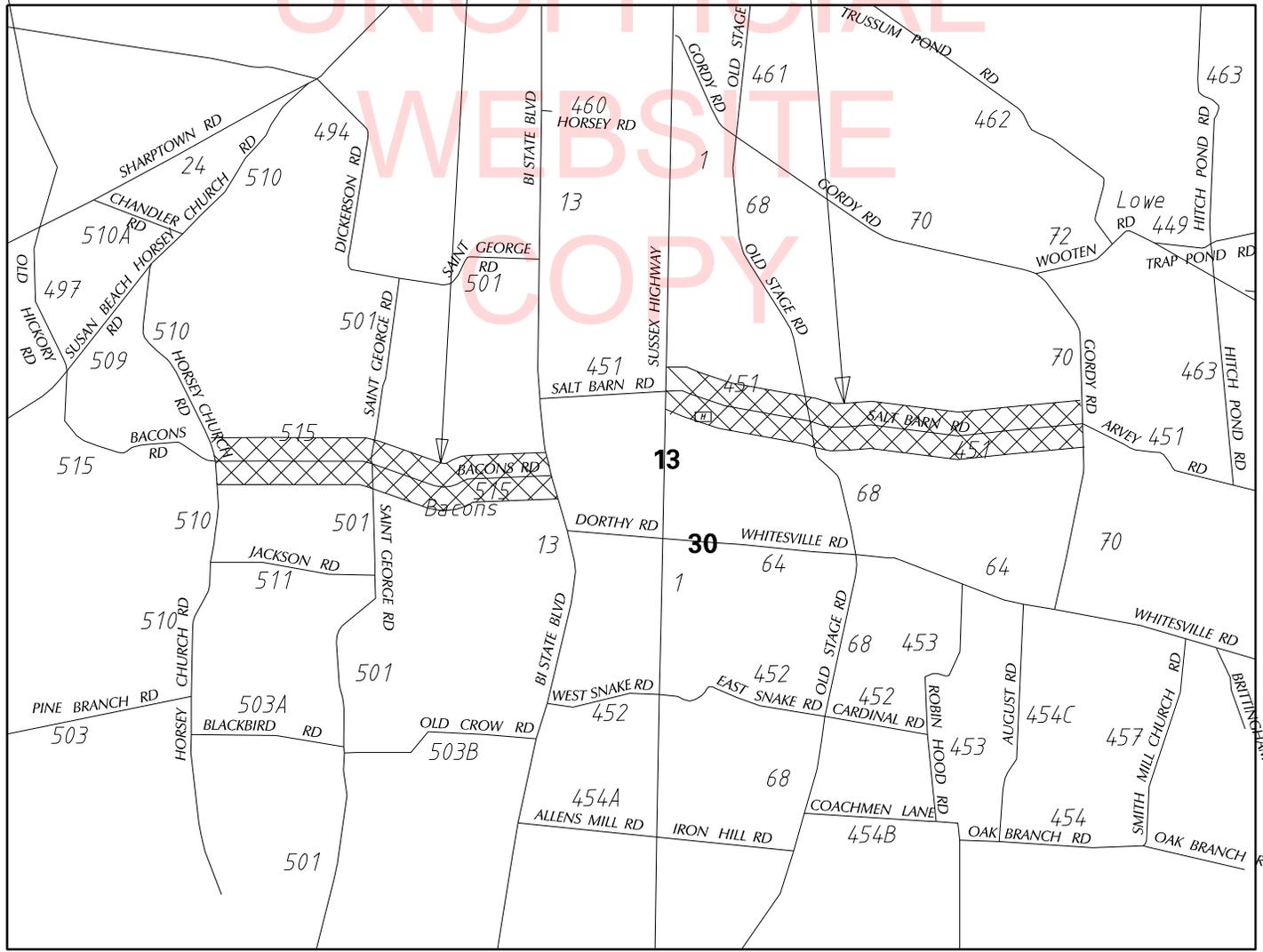
LOCATION MAP

LOCATION 9  
S515 BACONS RD  
FROM S510 HORSEY CHURCH RD  
TO S13 BISTATE BLVD

LOCATION 8  
S451 SALT BARN RD  
FROM S1 SUSSEX HWY  
TO S70 GORDY RD



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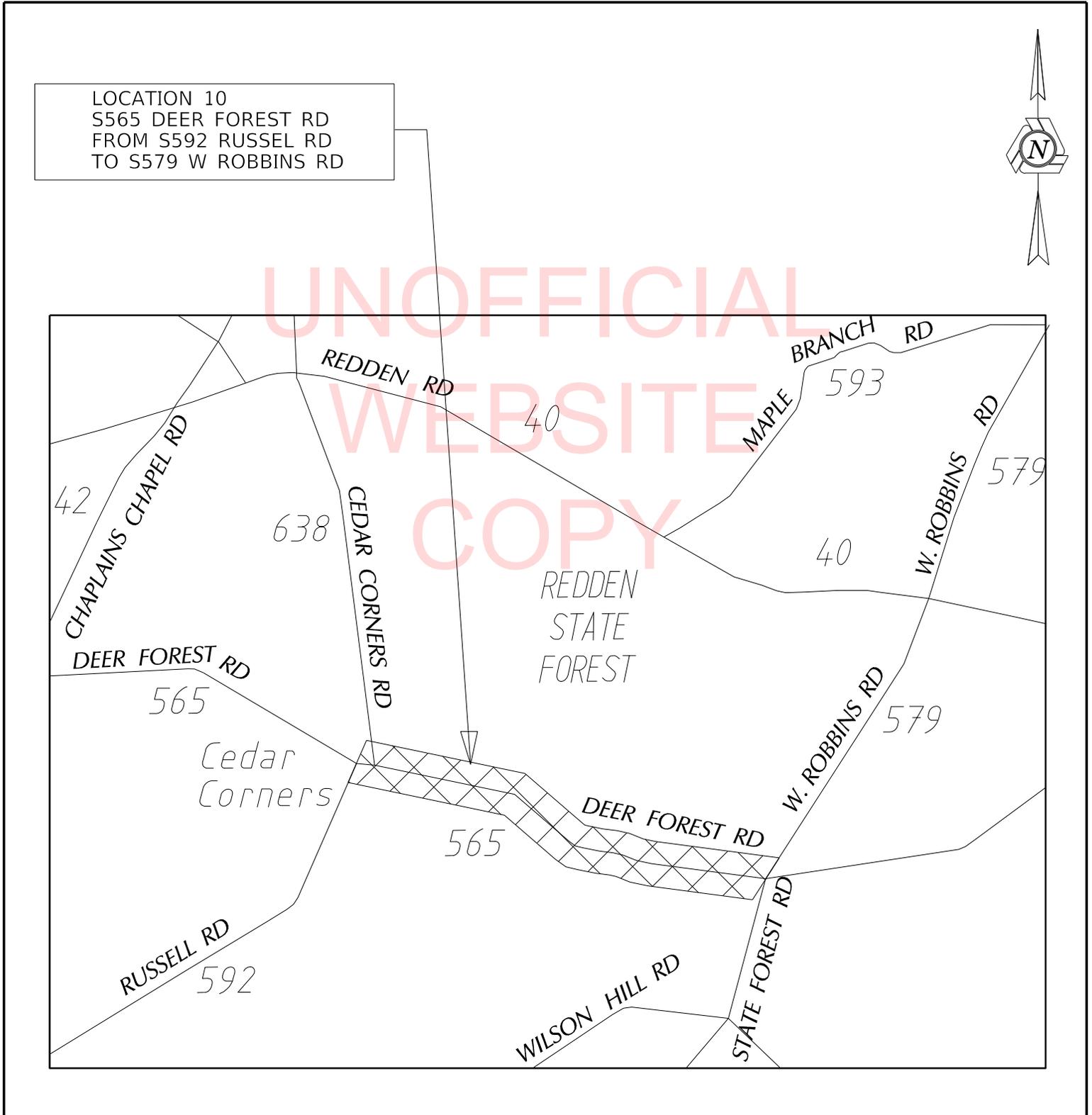
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LOCATION MAP



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### GENERAL CONTRACT NOTES

1. Construction of this contract shall conform to the Delaware Department of Transportation Standard Specifications dated August 2016 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 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. 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 Wednesday. Failure to comply will result in a suspension of all contract work with time charges continuing to be assessed.
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 contract administration. After the award, such questions shall be referred to the District Engineer or his representative.
4. The Department reserves the right to prioritize, substitute, add, or delete locations and quantities at any time during the contract.
5. Any and all construction engineering, including survey and/or layout of pipes, drainage ditches, guardrail, structures, etc., shall be incidental to the items being installed. The contractor should anticipate the need for construction engineering and bid items accordingly.
6. 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.
7. It will be the responsibility of the District to obtain a trespass agreement for any work outside the existing right of way.
8. Unless specified in contract notes, overlay widths shall match existing widths, or as directed by the engineer.
9. The cost of clipping back edges of the roadway, shoulders, and the first 3 feet 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. When clipping back roadway edges, all debris, vegetation and/or organics shall be removed as the Engineer and/or Inspector deems acceptable. The edge of the roadway shall be clipped back at a minimum of 6" beyond the edge of pavement to expose the pavement edge. No paving shall be completed on organic soil. The use of a milling machine will not be permitted for this work.
10. All pervious areas must be properly stabilized in accordance with the Delaware Stormwater Regulations within 10 working days. This includes any disturbed areas and any areas where topsoil and/or borrow has been placed. Erosion and Sediment inspections will occur by the inspector and will be made available to DNREC and/or EPA upon request.

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PROJECT NOTES

11. The cost of fine grading, compacting, and preparing existing shoulders for paving shall be incidental to the paving item as noted in Division 401 of the 2016 Specifications.
12. Preparing unpaved driveway entrances beyond the first 3' shall be paid under the appropriate contract items. Crack/joint sealing shall be required at all butt joint locations. The cost for this work shall be incidental to section 762 of the 2016 Specifications.
13. All property owners shall be notified when sprinkler heads, fencing, or other personal property is within the construction limits and needs to be relocated. If the contractor damages any personal property due to the contractor's failure to notify the owner of said property, repairs will be made at the contractor's expense. The contractor shall provide proof to the department, that sufficient notification has been issued. This notification shall be incidental to the contract and no separate payments shall be made.
14. Butt joints cut prior to the day of the pavement overlay shall be ramped with bituminous TRM. Bituminous TRM shall be incidental to the corresponding butt joint / milling item. Pavement millings will not be allowed for this purpose. In pavement milling areas, there will be no separate payment for butt joints.
15. After pavement milling, all transverse vertical differences, raised edges of manholes, catch basins, water valve boxes, etc. shall be ramped with bituminous 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 or other corresponding items.
16. 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.
17. All milled material shall remain the property of the contractor unless otherwise stated.
18. A 2.5" overlay shall be 2 equal lifts of 1¼" Type C. A 3" overlay shall be 2 equal lifts of Type C. A 3½" overlay shall be a 1¼" Type C lift over a 2¼" Type B lift unless otherwise noted in the plans.
19. The minimum and maximum single lift thicknesses of materials shall be as follows:

-Type C:	1.25" - 2.00"
-Type B:	2.25" - 4.00"
-BCBC:	3.00" - 6.00"
-GABC:	0.00" - 8.00"
20. The purpose of the bituminous 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.
21. A safety edge shall be used on all patches that extend to the edge of the riding surface of the shoulder.

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### PROJECT NOTES cont.

22. Materials used to fill shoulder areas adjacent to new overlays may be one or more of the following materials as directed by the Engineer: 908001-Topsoil or 301003-Graded Aggregate Base Course, Type B. The unit price shall include furnishing, placement, grading and compacting the material. If a wedge course is placed, the shoulder shall be filled with item 209010 Borrow, Type F prior to the top lift of Type C paving. Note that this backfill must be completed no later than the next day even if a safety edge is present. The top 2" shall be filled with topsoil after the final overlay has been completed.
23. All centerline joints shall be straight. Any non-uniform joints as identified by the department shall be immediately saw cut at the contractor's expense prior to the adjacent pass of paving being completed.
24. All utility adjustments shall be made no more than seven (7) calendar days prior to the placement of the final overlay 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 of each day's milling and butt joint operation. 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, curbs, etc. so as to not disturb the existing pavement beyond the specified depth. Any damage caused by contractors 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 patching items.
27. 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 sidewalk/pedestrian connection and detectable warning system items.
28. Excavation for PCC curbs, sidewalk or valley gutter shall be incidental to the bid price for each respective item. Excavated material, not needed on the project, shall be removed from the project at the contractor's expense. Item 908001, 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" should be present in the 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, flow channels 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.
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.

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**PROJECT NOTES cont.**

30. Drainage inlet grates within the location limits that do not meet the standard detail for a Type 1 grate (i.e. don't have 45 degree slots) shall be replaced. The engineer shall determine the actual locations and need for grate or frame modifications. Drainage inlet frames shall include necessary adjustments to meet proposed grades incidental to the drainage inlet frame item. All replaced grates/frames shall be delivered to the nearest district maintenance yard with delivery costs incidental to the appropriate bid items. Payment for replaced grates/frames shall not be made until receipt of delivered materials is produced and signed by a DelDOT maintenance yard supervisor. The cost for the work shall be negotiated prior to the replacement of any drainage inlet grates.
31. The Portland Cement Concrete used for - Adjusting and Repairing Existing Man Holes and- Adjusting Water Valve Boxes shall conform to the requirements of Class A concrete as stated within Section 503.02 of the Standard Specifications.
32. The contractor shall give a two (2) weeks' notice to the property owner when any fixture, shrub or another 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.
33. The Department and the contractor shall inspect all existing pipes and drainage structures to be used in the final drainage system and agree to the condition prior to the start of construction. Existing pipes and drainage structures damaged due to contractor operations shall be repaired or replaced in-kind at the contractor's expense.
34. The Department will video-inspect new pipe runs to confirm condition prior to acceptance. Pipe cleaning prior to video inspection and maintenance of traffic during the video inspection is the responsibility of the contractor and incidental to the pipe item that is being video inspected.
35. All manhole adjustments placed in concrete shall require a complete covering of tack on all bituminous to concrete surfaces and joint sealing application per 1042.01.2. These items are incidental to the manhole adjustment per Sections 401.03.M and item 762.03.D in the 2016 Standard Specifications.
36. All concrete to bituminous interfaces shall require tack on all vertical surfaces. All longitudinal interfaces shall be sealed with an approved joint sealant material. These items shall be incidental to the bituminous paving item. No separate payment will be made for the sealing of these joints.
37. All newly created pavement joints that will not be overlaid shall be sealed with a uniform band of tack coat of PG 64-22 hot liquid asphalt cement. The PG-64-22 shall be applied by a distributor truck. The band shall be at least 6" wide. The band shall be applied before any roadway striping is applied or within 24 hours, whichever is earlier. An exception will be made where the adjacent pass to the newly laid pass has not cooled below 175 degrees Fahrenheit. All vertical contact surfaces shall be tacked before placing any new mixture against the joint. These items shall be incidental to the bituminous paving item. No separate payment will be made for the sealing of these joints.

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### MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS

38. At the preconstruction meeting, the contractor shall submit to the South District Safety Officer the necessary 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 certifications not previously submitted. Written approval must be received before the start of work at each and every location.
39. The contractor shall submit to the South District Safety Officer their proposed lane closure time frames for approval. This shall be submitted a minimum of 2 weeks prior to the start of work.
40. An American Traffic Safety Services Association (ATSSA) certified traffic control supervisor shall be required for each location on this project. A copy of the certification card for the ATSSA traffic control supervisor shall be submitted at the pre-construction meeting. The paper certificate is not acceptable. The ATSSA officer shall be incidental to the work being performed and shall not be paid separately.
41. The contractor shall use typical application 10 from the Delaware Manual on Uniform Traffic Control Devices as outlined in the breakout sheet for item 801500, Maintenance of Traffic, all inclusive. All locations also require the use of permanent warning signs that shall also be included in 801500.
42. 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 DE MUTCD.
43. When required by the DE MUTCD, permanent advance warning signs shall be installed with the legend "END ROAD WORK" located 500 feet downstream from the work area. On intersecting roadways within the project limits, a "ROAD WORK AHEAD" sign shall be placed at a 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. 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. All temporary and permanent signs shall be included in the lump sum MOT item.
44. Portable Changeable Message Signs (PCMS) shall be placed in both directions, 10 days in advance of construction; before the start of construction for each road, as well as prior to any major traffic pattern changes. All PCMS messages shall be approved by the district safety officer. PCMS boards shall be incidental to item 801500 and shall not be paid separately.
45. Lane closures are allowed from 9:00am-6:00pm, Monday-Thursday; from April-October. Friday work (and weekend work – with permission from the engineer) allowed from November-March.
46. The use of millings and GABC in the travel way, temporary travel way, high volume entrances and access ramps for the purpose of providing temporary roadway service, pothole repair, tapered edge for utilities, butt joints, and longitudinal drop-offs (milling and paving operations) is prohibited. Bituminous TRM, as approved by the Engineer, shall be used for this purpose. TRM shall be incidental to the work it protects and shall not be paid separately.

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### MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (cont.)

47. The use of millings or GABC shall be used at the following locations where access to a business, residence, or edge drop off needs to be maintained unless otherwise noted in the plans or directed by the Engineer to use bituminous TRM. All millings and GABC shall be rolled and compacted to prevent material from unraveling.
  - a. Driveways
  - b. Entrances
  - c. Low volume access ramps (identified in the contract documents)
  - d. Edge drop offs adjacent to live roadway (lane, shoulder, or turn lane) and the proposed road construction
  - e. Edge of roadway drop off
48. Grading and maintaining base course that is being used for roadway wedge/ fillet between travel lanes and pavement box, edge of travel way, driveway or entrance access shall be incidental to item 801500 – Maintenance of Traffic. The base course shall be placed at no greater than the slope specified in table 6G-1 and shall be compacted. Vertical differences shall be corrected in accordance with the table 6G-1 of the DE MUTCD.
49. No separate payment shall be made for the use of traffic cones. Traffic cones and/or work associated with their use such as setup, removal, cleaning, etc. shall be incidental to the work for which they protect.
50. 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.
51. 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 shoulder(s) closed, the 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.
52. The contractor shall be responsible for notifying the local 911 center, local schools, and the DeIDOT 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 firefighting authorities, and the 911 center.
53. The contractor shall be responsible for daily coordination efforts with his/her work with other contractors in the immediate area.
54. The contractor shall provide all residents and businesses 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 DeIDOT contact numbers. Failure to give proper notice will result in a suspension of work requiring notice until proper notice is provided.
55. Access to all businesses and residences within the project limits shall be maintained throughout the duration of the contract. Any temporary closure of an entrance for tie in purposes shall be coordinated with the engineer and / or property owner in advance of the closure.

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### MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (cont.)

56. Prior to additional lifts, all drop offs shall be secured before next lift per DE MUTCD 6G.1, even when a safety edge is present.
57. The contractor is responsible for the maintenance of existing pavement and shoulders within the project limits for the duration of the contract or as directed by the Engineer or his designee.
58. 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.
59. A safety edge shall be used on all overlays.
60. 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 DE MUTCD 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.

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 the 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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### MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (cont.)

61. All storage of equipment and material shall comply with section 6G.21 of the DE MUTCD.
62. All flaggers shall comply with Chapter 6E of the DE MUTCD.
63. 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 and Table 6G-1 of the DE MUTCD. This includes all utilities and/or obstacles within or adjacent to the travel ways as outlined in the DE MUTCD.
64. 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.
65. 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.
66. The contractor shall submit detailed drawings (including but not limited to 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 at the preconstruction meeting. These drawings will be reviewed by the department's traffic section to determine if any changes to the final pavement markings are required.
67. 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.
68. 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, including the replacement of peeling temporary tape.
69. Any erroneous marking will not be paid for and shall be corrected immediately at the contractor's expense. Erroneous markings or shadows that exceed one (1) inch in width shall be removed by either sand or water blasting. No other removal methods will be allowed. An asphalt sealer shall be applied in the area of the removed marking to mask the repair. Any damage to the pavement caused by the removal of erroneous markings shall be repaired/replaced to the satisfaction of the Engineer at the contractor's expense.
70. 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.
71. 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).

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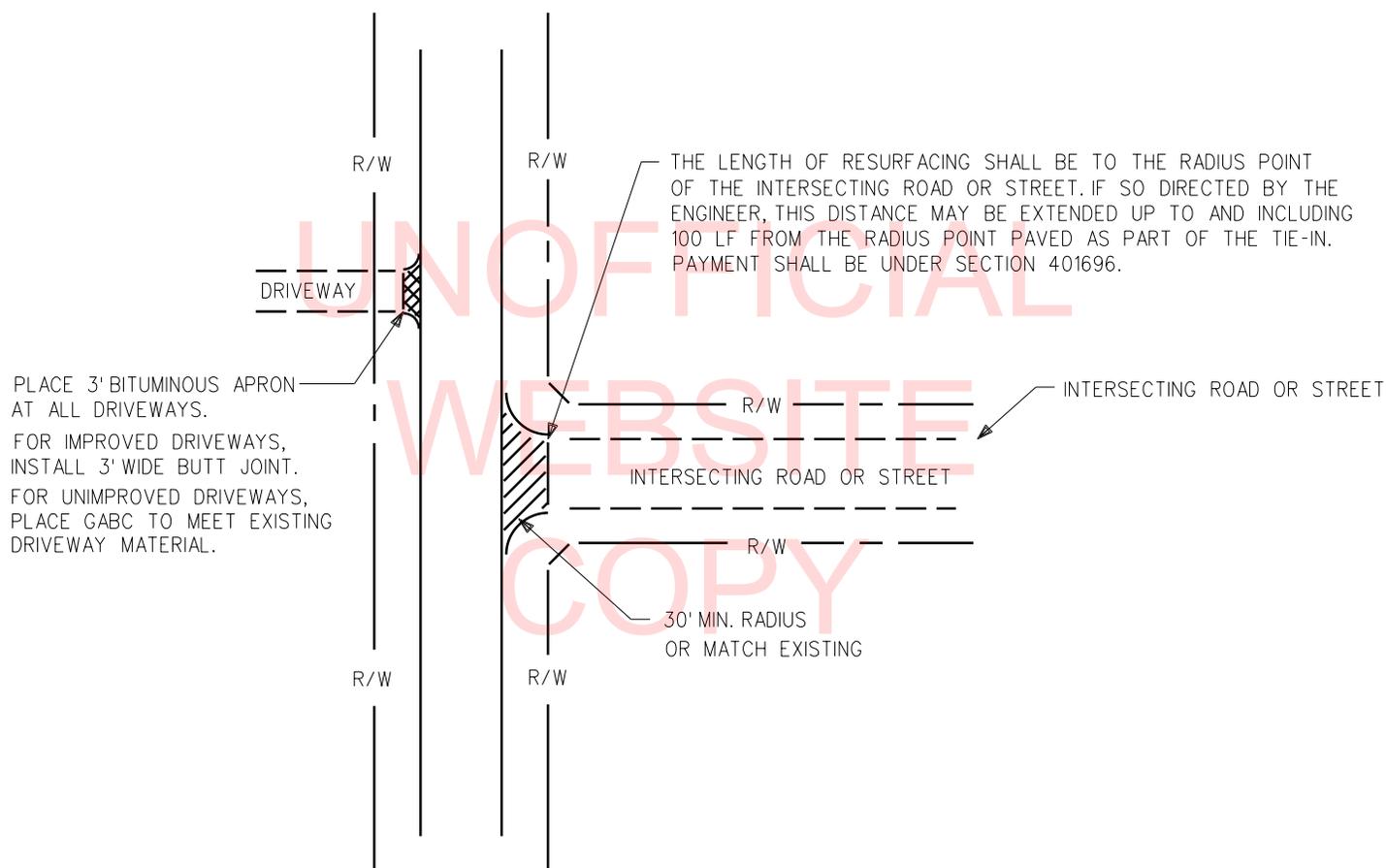
CONVERSION ROADS, SOUTH, 2019

**MAINTENANCE OF TRAFFIC AND PAVEMENT MARKINGS (cont.)**

72. 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.
73. Traffic detection loops shall be placed in the final wearing surface unless otherwise directed by the Engineer.
74. 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.
75. Stop lines "bars" shall be installed in accordance with section 3B.16 of the latest DE MUTCD.
76. All crosswalks shall be installed in accordance with Section 3B.18 of the latest DE MUTCD.
77. International crosswalk symbols will be placed at all existing crosswalk locations or other locations as directed by the engineer. Payment will be under the applicable striping items.

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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.

DELAWARE DEPARTMENT OF TRANSPORTATION

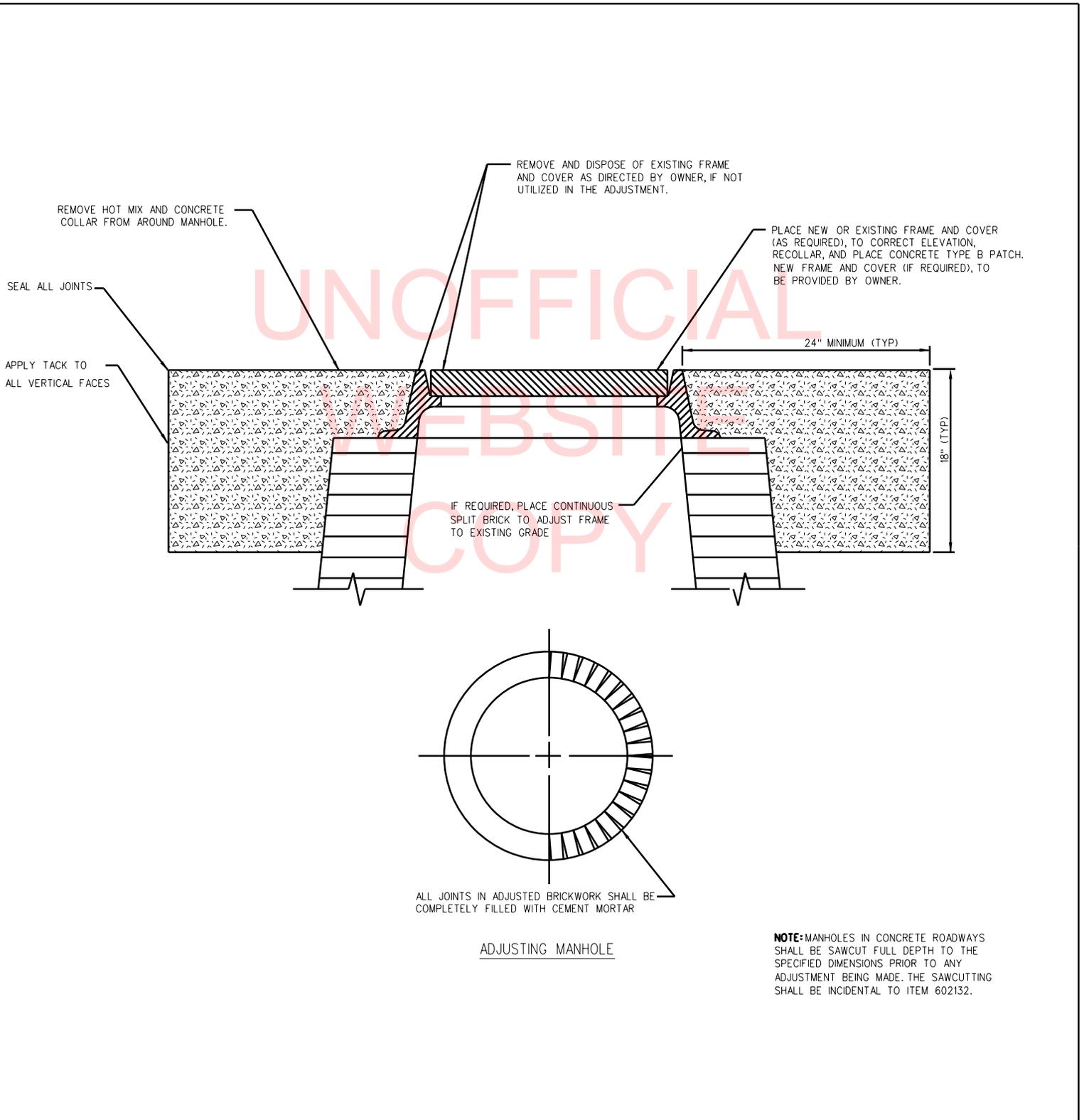
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SOUTH DISTRICT

CONVERSION ROADS , SOUTH, 2018

DETAILS SHEET



**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019**

**LOCATION 1 259(CARPENTER ROAD) FROM S22 HARBESON RD TO S258 HUDSON RD**

**LENGTH 3151.6320 m 10340.0000 L.F. AADT 622**

**GENERAL IMPROVEMENTS**

**2" BITUMINOUS OVERLAY WITH WEDGING AND GUARDRAIL**

**COMMENTS:**

ENSURE GRADING AT GUARDRAIL APPROACHES MEET THE REQUIREMENTS OF DELDOT STANDARD DETAILS. GUARDRAIL MAINTENACE STRIP SHALL BE BITUMINOUS PAVEMENT.

**MATERIAL ESTIMATE FOR LOCATION 1**

209010	BORROW, TYPE F	142.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	38.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	3,234.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	2,111.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	20.00	TON
720018	GALVANIZED STEEL POST, 7'	26.00	EACH
720021	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	162.50	L.F.
720025	GUARDRAIL OVER CULVERTS, TYPE 2-31	2.00	EACH
721001	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 3	3.00	EACH
762004	BUTT JOINTS	385.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	48.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	20,000.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	48.00	S.F.
908001	TOPSOIL	464.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	6,819.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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LOCATION 2 290 (COOL SPRING ROAD) FROM S280 STOCKLEY RD TO S18 LEWES-  
GEORGETOWN HWY

LENGTH 4497.3240 m 14755.0000 L.F.

GENERAL IMPROVEMENTS

2" BITUMINOUS OVERLAY WITH WEDGING

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 2

301003	GRADED AGGREGATE BASE COURSE, TYPE B	52.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	4,635.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	1,528.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	115.00	TON
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
762004	BUTT JOINTS	771.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	408.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	72.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	88.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	28,000.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	88.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	28,000.00	L.F.
908001	TOPSOIL	612.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	9,003.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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**LOCATION 3**                    **292 (FOREST ROAD) FROM S280 STOCKLEY RD TO S290 COOL SPRINGS RD**  
LENGTH    1855.0128 m                    6086.0000 L.F.                    AADT    710  
**GENERAL IMPROVEMENTS**  
                  2" BITUMINOUS OVERLAY WITH WEDGING

COMMENTS:

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**MATERIAL ESTIMATE FOR LOCATION 3**

301003	GRADED AGGREGATE BASE COURSE, TYPE B	37.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,961.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	506.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	75.00	TON
762004	BUTT JOINTS	138.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	408.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	72.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	30.00	S.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	15.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	12,072.00	L.F.
908001	TOPSOIL	245.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	3,595.00	S.Y.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019**

**LOCATION 4 364 (CAMP BARNES RD) FROM S363 DOUBLE BRIDGES RD TO END OF ROADWAY**

**LENGTH 2834.6400 m 9300.0000 L.F. AADT 1372**

**GENERAL IMPROVEMENTS**

**2" BITUMINOUS OVERLAY WITH PATCHING AND WEDGING**

**COMMENTS:**

**DO NOT OVERLAY NEW PAVEMENT AT SUBDIVISION.**

**MATERIAL ESTIMATE FOR LOCATION 4**

209010	BORROW, TYPE F	132.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	36.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,741.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	27.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	1,785.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	50.00	TON
402000	BITUMINOUS CONCRETE PATCHING	467.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	180.00	L.F.
762004	BUTT JOINTS	290.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	6.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	408.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	72.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	38.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	18,600.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	27.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	18,600.00	L.F.
908001	TOPSOIL	422.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	6,201.00	S.Y.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201906901.01**

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**SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019**

**LOCATION 5 389 (DICKERSON ROAD) FROM S58 LIGHTHOUSE RD TO S382A JOHNSON RD**

**LENGTH 1057.6560 m 3470.0000 L.F. AADT 779**

**GENERAL IMPROVEMENTS**

**2" BITUMINOUS OVERLAY WITH PATCHING AND WEDGING**

**COMMENTS:**

**MATERIAL ESTIMATE FOR LOCATION 5**

301003	GRADED AGGREGATE BASE COURSE, TYPE B	3.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	1,027.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	12.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	76.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	40.00	TON
402000	BITUMINOUS CONCRETE PATCHING	200.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	80.00	L.F.
762004	BUTT JOINTS	104.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817003	TEMPORARY MARKINGS, PAINT, 4"	6,940.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	6,940.00	L.F.
908001	TOPSOIL	115.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	1,677.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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LOCATION 6 421 (CAREYS CAMP ROAD) FROM S24 LAUREL RD TO S431 CONAWAY RD

LENGTH 4048.3536 m 13282.0000 L.F. AADT 627

GENERAL IMPROVEMENTS

2" BITUMINOUS OVERLAY WITH WEDGING

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 6

301003	GRADED AGGREGATE BASE COURSE, TYPE B	27.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	3,869.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	1,642.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	62.00	TON
762004	BUTT JOINTS	280.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	46.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	15,000.00	L.F.
908001	TOPSOIL	599.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	8,794.00	S.Y.

DELAWARE DEPARTMENT OF TRANSPORTATION

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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LOCATION 7 421 (CAREYS CAMP ROAD) FROM S62 WHALEYS RD TO S24 WHALEYS RD

LENGTH 4858.5120 m 15940.0000 L.F. AADT 654

GENERAL IMPROVEMENTS

2" BITUMINOUS OVERLAY WITH PATCHING AND WEDGING

COMMENTS:

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MATERIAL ESTIMATE FOR LOCATION 7

301003	GRADED AGGREGATE BASE COURSE, TYPE B	52.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	4,935.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	94.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	2,014.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	148.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,615.00	SY-IN
762000	SAW CUTTING, BITUMINOUS CONCRETE	537.00	L.F.
762004	BUTT JOINTS	718.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	83.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	30,000.00	L.F.
908001	TOPSOIL	723.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	10,629.00	S.Y.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

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**SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019**

**LOCATION 8 451 (SALT BARN ROAD) FROM S1 SUSSEX HWY TO S70 GORDY RD**

**LENGTH 3604.8696 m 11827.0000 L.F. AADT 659**

**GENERAL IMPROVEMENTS**

**2" BITUMINOUS OVERLAY WITH WEDGING AND PATCHING**

**COMMENTS:**

**MATERIAL ESTIMATE FOR LOCATION 8**

209010	BORROW, TYPE F	163.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	59.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	3,418.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	82.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	2,207.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	119.00	TON
402000	BITUMINOUS CONCRETE PATCHING	1,420.00	SY-IN
762001	SAW CUTTING, CONCRETE, FULL DEPTH	486.00	L.F.
762004	BUTT JOINTS	947.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	40.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	23,654.00	L.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	23,654.00	L.F.
908001	TOPSOIL	531.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	7,813.00	S.Y.

**DELAWARE DEPARTMENT OF TRANSPORTATION**

**CONTRACT T201906901.01**

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**SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019**

**LOCATION 9 515 (BACONS ROAD) FROM S510 HORSEY CHURCH RD TO S13 BI STATE BLVD**

**LENGTH 2916.9360 m 9570.0000 L.F. AADT 1135**

**GENERAL IMPROVEMENTS  
2" BITUMINOUS OVERLAY WITH WEDGING**

**COMMENTS:**

- The limits of the conversion project shall end 130' from the railroad crossing. DeIDOT's railroad section will include this work into its paving program. The painted crossbucks shall be placed 250' from the stop bar which will be placed 8' upstream from the signals. The W10-1 signs are currently at the proper location.
- Bridge section will be replacing Bridge 3-335. Coordination with bridge section is required.

**MATERIAL ESTIMATE FOR LOCATION 9**

209010	BORROW, TYPE F	136.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	48.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,687.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	1,653.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	110.00	TON
762004	BUTT JOINTS	388.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	232.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	18,000.00	L.F.
908001	TOPSOIL	435.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	6,381.00	S.Y.

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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**LOCATION 10** 565 (DEER FOREST ROAD) FROM S592 RUSSEL RD TO S579 W ROBBINS RD

LENGTH 2245.7664 m 7368.0000 L.F. AADT 728

**GENERAL IMPROVEMENTS**

2" BITUMINOUS OVERLAY WITH WEDGING

**COMMENTS:**

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**MATERIAL ESTIMATE FOR LOCATION 10**

209010	BORROW, TYPE F	106.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	12.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,118.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	1,414.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	108.00	TON
762004	BUTT JOINTS	339.00	S.Y.
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	2.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	136.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	24.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	43.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	15,000.00	L.F.
908001	TOPSOIL	336.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	4,913.00	S.Y.

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SOUTH MAINTENANCE CONVERSION ROADS, SOUTH, 2019

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CONTRACT QUANTITIES SUMMARY SHEET

209010	BORROW, TYPE F	679.00	TON
301003	GRADED AGGREGATE BASE COURSE, TYPE B	364.00	TON
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	30,625.00	TON
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	215.00	TON
401036	SUPERPAVE TYPE C, PG 64-22, WEDGE	14,936.00	TON
401696	ENTRANCE, DRIVEWAY, AND INTERSECTING STREET PAVING SURCHARGE	847.00	TON
402000	BITUMINOUS CONCRETE PATCHING	3,702.00	SY-IN
602130	ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET	2.00	EACH
720018	GALVANIZED STEEL POST, 7'	26.00	EACH
720021	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	162.50	L.F.
720025	GUARDRAIL OVER CULVERTS, TYPE 2-31	2.00	EACH
721001	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 3	3.00	EACH
762000	SAW CUTTING, BITUMINOUS CONCRETE	797.00	L.F.
762001	SAW CUTTING, CONCRETE, FULL DEPTH	486.00	L.F.
762004	BUTT JOINTS	4,360.00	S.Y.
763000	INITIAL EXPENSE/DE-MOBILIZATION	LUMP	SUM
801500	MAINTENANCE OF TRAFFIC, ALL INCLUSIVE	LUMP	SUM
808002	FURNISH AND MAINTAIN TRUCK MOUNTED ATTENUATOR, TYPE II	32.00	EA-DY
811003	FLAGGER, SUSSEX COUNTY, STATE	2,176.00	HOUR
811015	FLAGGER, SUSSEX COUNTY, STATE, OVERTIME	384.00	HOUR
817002	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC	648.00	S.F.
817003	TEMPORARY MARKINGS, PAINT, 4"	97,194.00	L.F.
817004	TEMPORARY MARKINGS, PAINT, SYMBOL/LEGEND	178.00	S.F.
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	167,266.00	L.F.
908001	TOPSOIL	4,482.00	TON
908014	PERMANENT GRASS SEEDING, DRY GROUND	65,825.00	S.Y.