

THE STATE OF DELAWARE



**DEPARTMENT OF TRANSPORTATION
TRANSPORTATION SOLUTIONS, BRIDGE MANAGEMENT
QUANTITY ESTIMATIONS AND SPECIFICATIONS FOR**

Bridge Painting, Sussex County, FY25

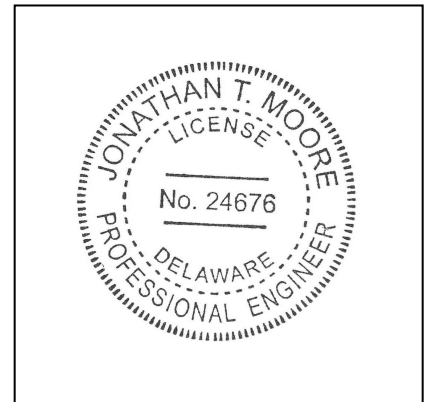
CONTRACT NUMBER – T202407901


FEDERAL AID NUMBER – BFP-2024(03)

PROJECT ID – 2024-00010

COUNTY: Sussex County

PLANS PREPARED BY: Jonathan T. Moore, P.E., B.C.I.
DeIDOT – Project Manager



 4/1/2025
DELDOT – PROJECT MANAGER: Jonathan T. Moore, P.E., B.C.I. DATE
TRANSPORTATION SOLUTIONS

THIS SEAL APPLIES TO ALL SHEETS WITHIN THIS REPORT

APPROVED FOR ADVERTISEMENT

 04/02/2025
DIRECTOR OF TRANSPORTATION SOLUTIONS DATE

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GENERAL NOTES

1. This project is to be constructed in accordance with Delaware Department of Transportation “Standard Specifications”, dated January 2025 and the Delaware Department of Transportation “Standard Construction Details”, dated 2025, including all revisions up to the date of advertisement.

2.

Erosion potential for this project	Site reviewer requirement
(X) Insignificant	None
() Minor	Contractor training program, as defined in Section 6.2 of the Delaware Sediment and Stormwater Regulations.
() Medium	Contractor training program, as defined in Section 6.2 of the Delaware Sediment and Stormwater Regulations.
() Major	Certified construction reviewer (CCR) as defined in Section 6.3 of the Delaware Sediment and Stormwater Regulations.

3. Electronic project files that will be made available to the Contractor include: None.
4. Project files that will be made available to the Contractor include: Archived Construction Plans.
5. The disturbed area for this project is 0 acres. Added impervious area for this project is 0 acres.

PROJECT NOTES

1. The purpose of this contract is to clean and paint the structural steel and concrete as described in the Project Notes and the Structure Specific Notes for the following bridges: 3-001, 3-002, 3-003N, 3-003S, 3-151, 3-153, 3-256, and 3-908.
2. This contract shall follow all guidance set forth in Section 616 – Steel Coatings and Section 613 – Concrete Coatings and Membranes in the Standard Specification except where otherwise noted within this plan set.
3. The structural steel paint color for all bridges except BR 3-153, shall be cyan blue (#25183) as per Aerospace Material Specification Standard 595A. The color shall be submitted for approval prior to performing work.
4. The structural steel paint color for BR 3-153, shall be forest green (#24172) as Aerospace Material Specification Standard 595A. The color shall be submitted for approval prior to performing work.
5. The perimeter of all faying surfaces shall be sealed with a paintable caulk as directed in Section 616 or the manufacturer's recommendations. Faying surfaces are described as "crevices ½ inch or less, rivets, bolts, nuts, between built-up members, interfaces of steel and concrete surfaces, and/ or where pack rust occurs." Areas that exhibit pack rust, as directed by the engineer, shall be treated with a 100% solids penetrating sealer before being sealed using a paintable caulk as directed by the manufacturer's recommendations and requirements. The caulk material to be used shall be compatible with the proposed paint system and submitted for approval. The caulk shall be applied to mid-coat and shall be fully cured prior to the application of the finish coat. The Department will not allow caulk to be painted over prior to 72 hours of cure time. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
6. All downspouts shall be removed, receive an S.S.P.C. SP-10 (Near-white blast cleaning), shop painted and reinstalled. Temporary plastic pipes shall be installed in-situ of removed pipes. Galvanized downspouts shall be painted with a moisture cure aluminum paint system and non-galvanized downspouts shall be painted with the steel paint system used to paint the bridge as indicated in Item No. 616000. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
7. All galvanized utility or lighting conduits shall be brush painted with moisture cure aluminum paint after receiving an S.S.P.C. SP-6 (Commercial blast cleaning) finish. All non-galvanized utility or lighting conduits shall be brush painted with the steel paint system after receiving an S.S.P.C. SP-6 (Commercial blast cleaning) finish. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
8. All exposed steel armor angles and plates outside of the travel way shall be brush painted with the steel paint system after receiving an S.S.P.C. SP-11 (Power tool cleaning to bare metal) finish. Containment and dust collection are required when performing these operations. Shielding the gland is required to prevent damage while cleaning. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel

9. All steel weep hole pipes that protrude from the abutments shall be painted with the steel paint system after receiving an S.S.P.C. SP-6 (commercial blast cleaning) finish. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
10. If there are any dry standpipes, natural gas line conduits, or any plastic pipe conduits on the bridges, then they shall be designated as “do not disturb.” Any natural gas lines found on bridges shall be shielded during blasting operations. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
11. All bearings shall be abrasive blast cleaned to an S.S.P.C. SP-10 (near-white blast cleaning) finish. Care shall be taken when cleaning “frozen” bearings because abrasive blasting operations sometimes cause the bearings to “unfreeze.” All pitted areas of the structural steel shall be brush painted along with spraying when applying each coat of paint. After all bearings have been painted and cured, and all concrete has been sealed, the Contractor shall coat all bearings with a NLGI grade 2 grease that is black in color and either Mobil Centaur Moly grease, Shell Rhodina SDX 2 grease, or an approved equal. Bearings shall be coated from the interface between the abutment and the masonry plate to the top of the sole plate or the bottom of the beam. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
12. During the cleaning operation, the Contractor shall report to the engineer any defects in the steel. These defects include, but are not limited to, loss of section, cracking, buckling, loose bolts, and loose rivets.
13. All concrete surfaces as directed in the Structure Specific Notes shall be prepared and sealed as indicated in Item No. 613000-Epoxy Concrete Sealer or 613001-Silicone-Based Acrylic Concrete Sealer as dictated in the Structure Specific Notes. All sealer boundaries will be a straight horizontal or vertical line unless directed otherwise by the engineer or Structure Specific Notes. The concrete sealer color shall be insignia white (#37925) as per Aerospace Material Specification Standard 595A. All existing epoxy coatings must be fully removed prior to repainting. Payment shall be included under Item Number:
 - a. 613000-Epoxy Concrete Sealer
 - b. 613001-Silicone-Based Acrylic Concrete Sealer.
14. Quality assurance hold points for steel coating are:
 - a) Power Wash Steel
 - b) Steel Surface Chloride Test
 - c) Blast/Surface Preparation
 - d) Primer
 - e) Primer Touch-Up
 - f) Primer Stripe
 - g) Penetrating Sealer
 - h) Mid-Coat Stripe
 - i) Mid-Coat
 - j) Caulk
 - k) Finish Coat
15. Quality assurance hold points for concrete coating are:
 - a) Power Wash/SP-13
 - b) Concrete Sealer

16. The Contractor, just prior to the start of the cleaning operation, shall inventory all existing signs within the contract limits with the engineer. The engineer will determine if the sign is necessary and must remain visible during cleaning and painting operations. The Contractor shall remove all non-traffic signs attached to the steel. The signs shall be reinstalled upon completion of painting the bridge as directed by the engineer. All existing highway signs which must be removed in the implementation of the contract shall be carefully removed and reinstalled. If the engineer deems a sign necessary to remain visible during the cleaning and painting operations, the contractor must remove the sign from the steel and mount it at a visible location approved by the engineer. Any damaged signs must be replaced in kind, to the satisfaction of the engineer at no cost to the Department. Payment shall be included under Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel.
17. Removal of trash, rubbish, debris, and vegetation that fouls the painting of the structure. This would include anything on or immediately adjacent to the structure as described in section 616 of the Standard Specifications. This will be considered incidental to Item Number:
 - a. 616000 – Cleaning and Painting Existing Steel
18. The Contractor is required to adhere to the testing and disposal of hazardous steel coatings, including air monitoring. Air monitoring requirements for paint removal will include all blasting and cleanup activities. Payment shall be included under Item Number:
 - a. 616003 – Testing and Disposal of Existing Hazardous Steel Coating
19. No environmental permits are required for this work provided no jurisdictional wetlands or waters are impacted.
20. The Contractor may store the equipment needed for this project at a pre-approved area or in the nearest State of Delaware maintenance yard. The Contractor must remove equipment as directed by the engineer when the district deems it necessary. Areas in which the soil and vegetation have been damaged from equipment during this contract, shall be repaired with topsoil, seed, and mulch in accordance with Section 908 at no additional cost to the Department. If the Contractor wishes to store equipment in the DelDOT maintenance yard, an agreement will have to be executed between the Department and the Contractor. A generic copy of this agreement is attached with the bidding documents. The Contractor should notify the engineer if they wish to store equipment in a DelDOT Maintenance Yard.
21. Proper erosion and sediment control measures as determined by the engineer shall be installed in all staging areas. All areas used by the Contractor for staging operations shall be fully restored by the Contractor upon completion of the project. If the staging area is paved, it shall be restored to its original condition. If the staging area is unpaved, it shall be re-graded, top soiled, seeded and mulched in accordance with Standard Specification Section 908. The seed shall adhere to the specifications for item 908014 - Permanent Grass Seeding, Dry Ground. All costs associated with installing E&S controls and the restoration of the staging area shall be at no additional cost to the Department. If the engineer determines that a satisfactory stand of grass does not exist at the time of primary inspection, all costs associated with re-establishing a satisfactory stand of grass shall be at the Contractor's expense. No staging and/or stockpiling shall take place in wetland or archaeological sensitive upland areas.

22. Any staging and/ or stockpile area(s) outside the project's limit of construction (LOC) that individually or cumulatively are larger than 10,000 square feet, must be approved by DelDOT's archeologist. Contact the construction area engineer who will coordinate with DelDOT's archeologist.

Within 30 days, DelDOT will;

1. Approve the use of the proposed staging and stockpile area(s);
 2. Reject the request; or
 3. Perform an archeological survey to determine whether to approve or reject the request, which may take up to 3 months. If an archeological survey is necessary, DelDOT or a consultant on its behalf will undertake the survey.
23. The Contractor shall have an approved E&S plan for staging and stockpiling. When staging outside of DelDOT Right of Way (R/W) or property, Contractor must attain an agreement from the property owner and approval from appropriate delegating agency.
24. No more than 3 bridges may be in containment at a time. The contractor must have a crew working at each location with a containment in place.
25. It is the expectation that the Contractor will have the roadway at each location completed in a timely manner. Contractor shall provide estimated time durations for each location which will be subject to approval by the engineer. Any extension of the time frame must be submitted for approval. The time frame shall not be extended without the approval by the engineer.
26. Assessment of the Road User Cost (RUC) will be made though the following Item Number:
- a. 763525 – Road User Cost

MAINTENANCE OF TRAFFIC NOTES

1. Detours and Delaware MUTCD Typical Applications to be used in painting operations have been provided by the Department. If the contractor elects to deviate from the plans provided, the Contractor shall be responsible for preparing traffic control plans in accordance with the Standard Specification Section 104.8 Maintaining Traffic, for approval by the engineer. Any alternative traffic control plans prepared by the Contractor shall be signed and sealed by a professional engineer registered in the State of Delaware. This work will be paid under the following Item Numbers:
 - a. 801000 – Maintenance of Traffic
 - b. 802003 – Arrow Panels Type C
 - c. 803001 – Provide and Maintain Portable Changeable Message Sign
 - d. 804001 – Provide and Maintain Portable Light Assembly
 - e. 805001 – Plastic Drums
 - f. 806001 – Traffic Officers
 - g. 808002 – Provide and Maintain Truck Mounted Attenuator, Type II
 - h. 810001 – Temporary Warning Signs and Plaques
 - i. 811003 – Flagger, Sussex County
 - j. 813001 – Temporary Barricades, Type III
2. The contractor shall notify DART First State at dot_detours@delaware.gov at least 14 days prior to the start of any detours or construction, and dot_dtc_projectdevelopment@delaware.gov at such time the facility is completed and operable for transit operations. For emergency detour information only, please contact DTC's Chief Scheduler at 302-576-6019.
3. PCMS shall be placed at all locations, 10 days in advance of the work and remain in place for 5 days after the start of work. The first work activity will be the setting up of the associated detour or maintenance of traffic as specified within the plans at each location. The location of the PCMS and messages displayed shall be reviewed and approved by the district safety officer. This work will be paid under the following Item Number:
 - a. 803001 – Provide and Maintain Portable Changeable Message Sign
4. Lane closures shall only occur during the periods shown in the Lane Closure Matrix. The Contractor shall strictly adhere to these time restrictions for lane closures.
5. Storage of equipment shall be in accordance with Table 6G-2 of the Delaware MUTCD. Portable Changeable Message Sign (PCMS) boards shall be placed off the shoulder for emergency vehicle access.
6. If on Limited Access Highways – vehicles and equipment shall enter and exit the work area in the same direction as adjacent traffic. The Contractor's vehicle(s) and equipment shall enter and exit the roadway at interchanges or unrestricted crossovers that are open to public use. The Contractor's vehicle(s) and equipment shall not U-turn across medians or at crossovers restricted for authorized and emergency vehicles only.

7. A minimum under clearance of 14’9” must be maintained at all times for bridges that cross over another roadway. Post clearance warning sign directly at the structure and with AHEAD or distance plaque in advance of structure at turnout location (intersection or off-ramp). DelDOT’s Oversize, Overweight Permitting Section must be notified what the under clearance will be once the containment system is installed on the bridge at least 14 days prior to its installation. The Permit Section may be reached at 302-744-2700 or haulpermit@delaware.gov. Contractor shall install clearance warning signs at locations approved by the District Safety Officer. This will be considered incidental to Item Number:

a. 801000 - Maintenance of Traffic

8. American Traffic Safety Association (ATSSA) Certified Traffic Control Supervisor Requirement for the project:

()	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
(X)	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT AND THAT PERSON’S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT’S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

STRUCTURE SPECIFIC NOTESBridge 3-001

1. The abutment breastwalls and wingwalls of this structure were painted in 2023 as part of a separate contract. These elements will not be painted as part of this contract. The abutment backwall and bearing seats will be painted as part of this contract.
2. The abutment backwall, beam seat, pedestals, cheekwalls, all pier faces, columns, soffit overhangs at outside edges and all faces of the concrete railings shall be prepared and sealed with Silicone-Based Acrylic Concrete sealer in accordance with Item Number 613001.

Bridge 3-002

1. The entire abutments and wingwalls of this structure were painted in 2023 as part of a separate contract. These elements will not be painted as part of this contract.
2. All pier faces, columns, soffit overhangs at outside edges and all faces of the concrete railings shall be prepared and sealed with Silicone-Based Acrylic Concrete sealer in accordance with Item Number 613001.

Bridge 3-003N

1. The on-ramp from Cedar Beach Rd. to Rt. 1 must remain open when closing lanes to set containment. Refer to the “Allowable Lane Closures and Traffic Control” table for MUTCD Typical Applications.
2. The abutment breastwall, beam seat, pedestals, abutment backwall, outside faces of abutment cheek walls, all pier cap faces, wingwalls, soffit overhangs at outside edges and all faces of the concrete railing shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with Item Number 613001.
3. All faces of the pier walls from the interface of the pier cap to the highwater line shall be prepared and sealed with Epoxy Concrete Sealer in accordance with Item Number 613000.

Bridge 3-003S

1. The off-ramp from Rt. 1 to Cedar Beach Rd. must remain open when closing lanes to set containment. Refer to the “Allowable Lane Closures and Traffic Control” table for MUTCD Typical Applications.
2. The abutment breastwall, beam seat, pedestals, abutment backwall, outside faces of abutment cheek walls, all pier cap faces, wingwalls, soffit overhangs at outside edges and all faces of the concrete railing shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with Item Number 613001.
3. All faces of the pier walls from the interface of the pier cap to the highwater line shall be prepared and sealed with Epoxy Concrete Sealer in accordance with Item Number 613000.

Bridge 3-151

1. All contractual work at this location is limited to the dates of October 1st to April 30th. No work at this location will be permitted outside of these dates.
2. All cleaning and painting operations at this location will be completed under a full detour of Front St. provided by DeIDOT. This closure shall be limited to 84 calendar days and is subject to the provisions of Item Number 763525 – Road User Cost.
3. Front St. and Bridge 3-256, Poplar St. are not permitted to be under detour at the same time. These bridges are to be done consecutively, but not concurrently.
4. When cleaning and painting the steel beams over the counterweight, the bridge will need to be in the fully open position to access these areas. When the bridge is open, follow the detour plan provided by DeIDOT. The hours of which the bridge is allowed to be opened will be 9:00 p.m. to 5:00 a.m. as required in the Lane Closure Matrices. The bridge shall be in the closed position at the end of every shift and reopened to pedestrian traffic and shall be subject to provisions of Item Number 763525 – Road User Cost.
5. A shuttle bus service shall be provided for pedestrians and bicyclists who wish to cross the bridge while it is in the open position. The contractor shall submit a shuttle bus subconsultant contract and plan to the engineer four weeks prior to the road closure. The shuttle bus shall be ADA compliant. The pedestrian wait time must not exceed 15 minutes. The shuttle shall be submitted for review and acceptance a minimum of 2 weeks prior to implementation. Payment for the shuttle bus service shall be incidental to Maintenance of Traffic Item Number 801000.
6. A night work survey was completed for this location. The survey closed on November 30, 2024. No responses were received. Night work will be permitted only for the portion of work that requires the bridge to be in the open position to complete. To mitigate the noise experienced by the apartment complex to the northeast of the structure, all noise generating equipment such as blast units and vacuum equipment shall be stored and staged at the south end of the bridge. Exhaust pipes from motorized equipment that will be running during this operation shall be pointed west, away from the apartments.
7. Shielding shall be used to protect motors, electrical components and mechanical components during all cleaning and painting operations performed on the bascule support towers, cross bracing and steel beams over the counterweight. This shall be incidental to Cleaning and Painting Existing Steel item no. 616000.
8. Remove and save the deck boards of both sidewalks to access the steel below during the cleaning and painting operations. Take special care not to damage the boards during removal. Take note of the board's location and orientation. Once the painting is complete, reinstall the deck boards. Note that one sidewalk must always remain open for pedestrian access. This shall be incidental to Cleaning and Painting Existing Steel item no. 616000.
9. For the steel railings on the bascule span, remove the existing chain link fence and discard. Remove and salvage the existing signs and hardware mounted to the fencing. Clean and paint the post and railings in accordance with item no. 616000 – Cleaning and Painting Existing Steel. Once painted, provided, and install a new black, vinyl-coated chain link fence in accordance with item no. 727516 – Remove and Replace Chain Link Fence Fabric.
10. The abutment breastwall, beam seat, pedestals, abutment backwall, outside faces of abutment cheek walls, all pier cap faces, all pier wall faces, soffit over hangs at outside edges and all concrete cantilever sidewalk supports under the outside soffit edges shall be prepared and sealed with Epoxy Concrete Sealer in accordance with item no. 613000.
11. All faces of the concrete railings, all faces of the operator's house and wingwalls shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with item no. 613001. Do not paint the marble bridge signs at the ends of each concrete railing.

12. The navigational lights must remain visible and operational at both faces of the structure at all times. This shall be incidental to Coast Guard Specific Conditions item no. 763522.

Bridge 3-153

1. All contractual work at this location is limited to the dates of October 1st to April 30th. No work at this location will be permitted outside of these dates.
2. Lane closures/ lane shifts to set containment and for the cleaning and painting operations on the metal curbs and joint angle armoring will be permitted during the hours of 8 a.m. to 4 p.m.
3. Staging will be permitted in the gravel lot at the northwest corner of the structure within the State's right-of-way or within the detoured section of Canal St. at the southeast corner of the structure. The detour of Canal St. will be provided by DelDOT. The detour of Canal St. shall be limited to 84 calendar days and is subject to the provisions of Item Number 763525 – Road User Cost.
4. Lane closures are not permitted on Rehoboth Ave. during special events. The Department will provide dates for each special event two weeks prior to occurrence. DelDOT reserves the right to impose additional lane closure restrictions as warranted by unknown planned special events. The list of special events is as follows:
 - a. Polar Bear Plunge: Rehoboth (early February)
 - b. Seashore Classic Half Marathon: Lewes (early April)
 - c. Coastal Delaware Marathon: Lewes (early April)
 - d. Tommy 10K: Lewes (late April)
 - e. Green Turtle 5K: Rehoboth (early October)
 - f. Sea Witch: Rehoboth (late October)
 - g. Rehoboth Seashore Marathon: Rehoboth (early December)
 - h. Rehoboth Christmas Parade: Rehoboth (early December)

The actual dates for these events are to be determined and must be coordinated with the Department and the cities of Lewes and Rehoboth.

5. The structural steel, joint angle armoring in the shoulders, and steel curbs paint color for this structure, shall be forest green (#24172) as Aerospace Material Specification Standard 595A. The color shall be submitted for approval prior to performing work.
6. The open grid steel deck was painted in 2020 as part of a separate contract and will not be painted as part of this contract.
7. Shielding shall be used to protect motors, electrical components and mechanical components during all cleaning and painting operations performed on the bascule support towers, cross bracing and steel beams over the counterweight. This shall be incidental to Cleaning and Painting Existing Steel Item Number 616000.
8. All faces of the bascule pier, wingwalls and operators house were painted in 2020 as part of a separate contract. These elements will not be painted as part of this contract.
9. The west abutment breastwall, beam seat, pedestals, abutment backwall, outside faces of abutment cheek walls, all pier cap faces, wingwalls, and wingwall over hangs at outside edges shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with Item Number 613001.
10. All faces of the pier wall from the interface of the pier cap to the highwater line shall be prepared and sealed with Epoxy Concrete Sealer in accordance with Item Number 613000.
11. The navigational lights must remain visible and operational at both faces of the structure at all times. This shall be incidental to Coast Guard Specific Conditions item no. 763522.

Bridge 3-256

1. All cleaning and painting operations at this location will be completed under a full detour of Poplar St. provided by DeIDOT. The detour of Poplar St. shall be limited to 30 calendar days and is subject to the provisions of Item Number 763525 – Road User Cost.
2. Poplar St. and Bridge 3-151, Front St. are not permitted to be under detour at the same time. These bridges are to be done consecutively, but not concurrently.
3. The entrance to the parking lot to the south of the structure must remain open. No storage of equipment or parking of employees is permitted within this parking lot.
4. The soffit overhangs at the outside edges and the concrete curbs shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with Item Number 613001.
5. The abutment beam seats, breastwalls, backwalls, cheekwalls, pier beam seat, pier walls and wingwalls will all be prepared and sealed with Epoxy Concrete Sealer to the highwater line in accordance with Item Number 613000.

Bridge 3-908

1. All contractual work at this location is limited to the dates of August 22nd to October 31th. No work at this location will be permitted outside of these dates.
2. All cleaning and painting operations at this location will be completed under a full detour of Griffith Lake Drive provided by DeIDOT. The detour of Griffith Lake Drive shall be limited to 30 calendar days and is subject to the provisions of Item Number 763525 – Road User Cost.
3. DNREC has the following anticipated contract planned in this area around the same time as this proposed work: Contract No. NAT24001-DAMCONST – Improvements to Griffith Lake Dam. This contract will be working on replacing the spillway at Griffith Lake. The Contractor should anticipate other crews and construction taking place in the area. In the event that these contracts overlap, the Contractor and the engineer will work with DNREC's engineer to coordinate the projects. DNREC's engineer is Janice Shute and she may be contacted at 302-739-9146 and Janice.Shute@Delaware.gov.
4. The parking lot and boat ramp for Griffith Lake at the north end of the bridge must remain open. The contractor is not permitted to park or store equipment in this area unless written permission from DNREC is obtained.
5. The steel sheeting concrete caps will be painted as part of this contract. The concrete in the spillway beyond the steel sheeting is part of the dam and is owned by DNREC. This concrete will not be painted under this contract.
6. The abutment beam seat, pedestals, abutment backwall, all faces of abutment cheek walls, wingwalls, soffit overhangs at outside edges, steel sheeting concrete caps and all faces of the concrete railing shall be prepared and sealed with Silicone-Based Acrylic Concrete Sealer in accordance with Item Number 613001.
7. The abutment breastwalls shall be prepared and sealed with Epoxy Concrete Sealer to the highwater line in accordance with Item Number 613000.

ENVIRONMENTAL COMPLIANCE NOTES FOR ALL BRIDGES

1. Natural Resource Issues:

A. Construction Restrictions:

Migratory Birds - if bridge work is proposed during the breeding season (April 15 to August 1), contact DELDOT Environmental Studies via email at dot_environmentalstudies@delaware.gov no more than 14 days prior to the start of work for a survey to determine if active nests are present. if the survey detects nesting activity, the following steps must be taken to avoid nest destruction and take, which is a violation of state law:

- a. Only perform construction activities from August 2 to April 14.

or if construction cannot be performed from August 2 to April 14, a deterrent such as mesh netting must be used to block access to nesting sites on the underside of the bridge(s) in accordance with Special Provision #763623 – Netting Migratory Bird Exclusion. the material would need to be in place no later than April 14, the underside of the bridge(s) would need to be fully encapsulated, and the material must be left in place until construction begins.

COAST GUARD COMPLIANCE NOTES FOR BRIDGES 3-151 AND 3-153

1. To facilitate work the following conditions apply:
 - a. The contractor must notify the Coast Guard office (contact info below) in writing at least 30 days in advance of the start of work and any other work which may be an obstruction to navigation so they may issue and update the information in the Local Notice to Mariners. The notice should include details of the project, dates and hours of operation, and any vessels, barges and equipment to be used during the project.
 - b. At no time during the work will the waterway be closed to navigation without prior approval from the Coast Guard. The contractor is required to maintain close and regular contact with the Coast Guard Sector Delaware Bay at 215-271-4814 or SECDELBAWW@uscg.mil, to keep them informed of activities over the waterway. No permanent change in navigation clearances is authorized.
 - c. Barges or work floats that are used in the waterways during the project must be marked in accordance with Title 33 Code of Federal Regulations, Section 83.30 that outlines temporary marking and lighting requirements. If you should have any questions regarding lights on the barges or work floats, please contact Fifth District Coast Guard Waterways Management Section at 757-398-6230.
 - d. During the progress of work, while the channel is in operation, should any material, machinery or equipment be lost, dumped, thrown overboard, sunk or misplaced which may be dangerous to or obstruct navigation, immediate notice shall be given to the Coast Guard and the object removed with the utmost dispatch. Until removal can be effected, the object(s) shall be properly marked in order to protect navigation. Notice to the Coast Guard shall provide a description and location of any such object(s) and the action taken or being taken to protect navigation.
2. The Contractor is responsible for compliance with the requirements of any Federal, State, or local agency that may have jurisdiction over any aspect of the project.
3. Mr. Michael Thorogood is the point of contact at the Coast Guard for this project. His contact information is as follows:
 - a. 431 Crawford Street. Portsmouth, VA. 23704-5004
 - b. 571-607-6762
 - c. Michael.R.Thorogood@uscg.mil

ESTIMATED STEEL AND CONCRETE COATING QUANTITIES

Bridge No.	Facility Carried	Feature Intersected	Area of Steel (ft²)	Area of Concrete (ft²)
3-001	Rehoboth Blvd.	Coastal Hwy. (SR 1)	18699	7095
3-002	Cedar Beach Rd.	Coastal Hwy. (SR 1)	19440	7551
3-003N	Coastal Hwy. (SR 1)	Mispiration River	28005	13295
3-003S	Coastal Hwy. (SR 1)	Mispiration River	28005	13295
3-151	Front St.	Nanticoke River	13145	6476
3-153	Rehoboth Ave.	Lewes-Rehoboth Canal	39292	3831
3-256	Poplar St.	Williams Pond	2542	2685
3-908	Griffith Lake Dr.	Griffith Lake Spillway	2287	2979
Total Quantities			151415	57207

Areas given are estimates only; the Contractor shall verify all quantities before submitting bids.

ALLOWABLE LANE CLOSURES AND TRAFFIC CONTROL

Bridge #	Facility Carried	MOT Cases for Facility Carried	Feature Intersected	MOT Cases for Feature Intersected
3-001	Rehoboth Blvd. (SR 14)	TA 11B TA 3A	Coastal Hwy. (SR 1)	TA 33
3-002	Cedar Beach Rd. (SR 36)	TA 3A	Coastal Hwy. (SR 1)	TA 33
3-003N	Coastal Hwy. (SR 1)	TA 33 TA 42	Mispillion River	N/A
3-003S	Coastal Hwy. (SR 1)	TA 33 TA 44	Mispillion River	N/A
3-151	Front Street	Front St. Detour and Sidewalk Detour along Front St. Pedestrian access shall be maintained across the bridge at all times. When the bridge is in the open position, a pedestrian shuttle service shall be provided. The hours of permissible bridge opening are 9pm to 5am.	Nanticoke River	Follow Coast Guard Compliance Notes
3-153	Rehoboth Blvd. (SR 14)	Canal St. Detour. EB Lane: TA 11B in both directions. Bikes can go in travel lanes with "Bike in Lane" signs added, Flagger must be provided for peds. When actively blocking a sidewalk; at the end of each day's operation, the pedestrian facility shall be reopened and unrestricted.	Lewes-Rehoboth Canal	Follow Coast Guard Compliance Notes

		WB Lanes: TA 11B shifting traffic to left lane. Bikes can go in travel lanes with "Bike in Lane" signs added, Flagger must be provided for peds.		
3-256	Poplar St.	Poplar St. Detour	Williams Pond	N/A
3-908	Griffith Lake Dr.	Griffith Lake Dr. Detour	Griffith Lake Spillway	N/A

LANE CLOSURE MATRICES

		Allowable Lane Closure Hours for BR 3-001 on Rehoboth Blvd. (Facility Carried)																							
		12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

		Allowable Lane Closure Hours for BR 3-001 over Rt. 1 (Facility Intersected)																							
		12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

		Allowable Lane Closure Hours for BR 3-002 Cedar Beach Rd. (Facility Carried)																							
		12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

		Allowable Lane Closure Hours for BR 3-002 over Rt. 1 (Facility Intersected)																							
		12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

Allowable Lane Closure Hours for BR 3-003N on Rt. 1 (Facility Carried)																									
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM	
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

Allowable Lane Closure Hours for BR 3-003S on Rt. 1 (Facility Carried)																									
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM	
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

Allowable Lane Closure Hours for BR 3-151 Front St. (Facility Carried) October 1st to April 30th																									
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM	
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	Detour
	All Lane Open

Allowable Lane Closure Hours for BR 3-153 Rehoboth Ave. (Facility Carried) October 1st to April 30th																									
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM	
Sunday																									
Monday																									
Tuesday																									
Wednesday																									
Thursday																									
Friday																									
Saturday																									

	One Lane Closure
	All Lane Open

Allowable Lane Closure Hours for BR 3-256 on Poplar St. (Facility Carried)																										
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM		
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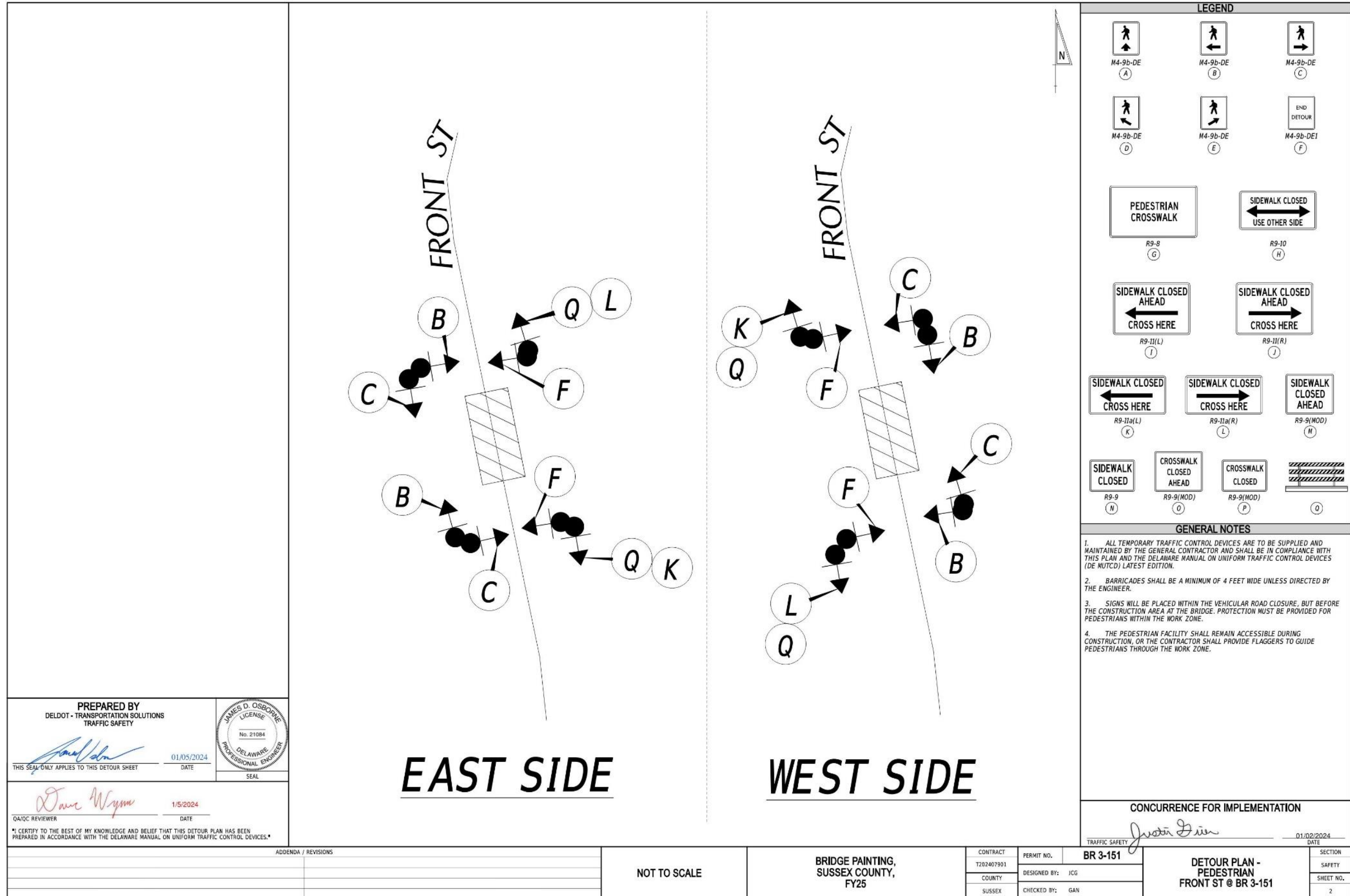
	Full Detour
	All Lane Open

Allowable Lane Closure Hours for BR 3-908 on Griffith Lake Dr. (Facility Carried)																										
	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM		
Sunday																										
Monday																										
Tuesday																										
Wednesday																										
Thursday																										
Friday																										
Saturday																										

	Full Detour
	All Lane Open

DETOURS

<p style="text-align: center;">PORTABLE CHANGEABLE MESSAGE SIGNS</p> <p style="text-align: center;"><i>PRIOR TO DETOUR</i> <small>(10 DAYS PRIOR TO BEGINNING OF DETOUR)</small></p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 40%;">FRONT ST TO CLOSE</div> <div style="border: 1px solid black; padding: 5px; width: 40%;">STARTING XX/XX/XX</div> </div> <p style="font-size: small; margin-top: 10px;">PCMS-1</p>		<p style="text-align: center;">LEGEND</p> <table style="width: 100%; font-size: x-small;"> <tr> <td style="text-align: center;">(A) DETOUR M4-9-DE</td> <td style="text-align: center;">(B) DETOUR M4-9</td> <td style="text-align: center;">(C) DETOUR M4-9</td> <td style="text-align: center;">(D) DETOUR M4-9</td> <td style="text-align: center;">(E) DETOUR M4-9</td> </tr> <tr> <td style="text-align: center;">(F) DETOUR M4-9</td> <td style="text-align: center;">(G) DETOUR M4-9</td> <td style="text-align: center;">(H) DETOUR M4-9</td> <td style="text-align: center;">(I) DETOUR M4-9</td> <td style="text-align: center;">(J) END DETOUR M4-8a</td> </tr> <tr> <td style="text-align: center;">(K) DETOUR AHEAD W20-2</td> <td style="text-align: center;">(L) DETOUR 1000 FT W20-2</td> <td style="text-align: center;">(M) DETOUR 500 FT W20-2</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">(N) ROAD CLOSED AHEAD W20-3</td> <td style="text-align: center;">(O) ROAD CLOSED 1000 FT W20-3</td> <td style="text-align: center;">(P) ROAD CLOSED 500 FT W20-3</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">(Q) ROAD CLOSED</td> <td style="text-align: center;">(R) DETOUR</td> <td style="text-align: center;">(S) DETOUR</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">(T) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a</td> <td style="text-align: center;">(U) BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b</td> <td style="text-align: center;">(V) ROAD CLOSED TO THRU TRAFFIC R11-4</td> <td colspan="2"></td> </tr> <tr> <td colspan="5" style="text-align: center;"> </td> </tr> </table>	(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	(R) DETOUR	(S) DETOUR			(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							
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<p style="text-align: center;">SPECIAL SIGNS</p> <div style="text-align: center; margin-top: 10px;"> <p>48"</p> <p>51"</p> </div> <p style="font-size: x-small; margin-top: 10px;">*RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND</p>		<p style="text-align: center;">GENERAL NOTES</p> <ol style="list-style-type: none"> 1. ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION. 2. SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE. 3. "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY. 4. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER. 5. PEDESTRIAN ACCESS MUST BE MAINTAINED, OR ALTERNATIVE MODES PROVIDED, AT ALL TIMES. 6. ALL WORK DONE REQUIRING THE OPENING OF THE BRIDGE MUST BE COMPLETED FIRST. THE BRIDGE SHALL ONLY BE OPEN FOR A PERIOD OF EIGHT (8) HOURS A NIGHT. OPENINGS SHALL BE COORDINATED WITH DELDOT. <p style="text-align: center; font-size: x-small;">DETOUR DESCRIPTION</p> <p style="font-size: x-small;">SOUTHBOUND MOTORISTS WILL TURN LEFT ONTO MIDDLEFORD RD, RIGHT ONTO US-13 SUSSEX HWY, RIGHT ONTO CONCORD RD, AND ARRIVE BACK AT FRONT ST.</p> <p style="font-size: x-small;">NORTHBOUND MOTORISTS WILL TURN RIGHT ONTO CONCORD RD, LEFT ONTO US-13 SUSSEX HWY, LEFT ONTO MIDDLEFORD RD, AND ARRIVE BACK AT FRONT ST.</p>																																			
<p style="font-size: x-small;">PREPARED BY DELDOT - TRANSPORTATION SOLUTIONS TRAFFIC SAFETY</p> <p style="font-size: x-small;">01/05/2024 DATE</p> <p style="font-size: x-small;">THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET</p> <div style="text-align: right; margin-top: 10px;"> </div>	<p style="font-size: x-small;">GA/QC REVIEWER DATE</p> <p style="font-size: x-small;">1/5/2024 DATE</p> <p style="font-size: x-small;">*I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.*</p>	<p style="text-align: center;">CONCURRENCE FOR IMPLEMENTATION</p> <p style="font-size: x-small;">TRAFFIC SAFETY DATE</p>																																			
<p>NOT TO SCALE</p>	<p>BRIDGE PAINTING, SUSSEX COUNTY, FY25</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">CONTRACT</td> <td style="width: 20%;">PERMIT NO.</td> <td style="width: 20%;">BR 3-151</td> <td style="width: 40%;">SECTION</td> </tr> <tr> <td>T202407901</td> <td>DESIGNED BY:</td> <td>JCG</td> <td>SAFETY</td> </tr> <tr> <td>COUNTY</td> <td>CHECKED BY:</td> <td>GAN</td> <td>SHEET NO.</td> </tr> <tr> <td>SUSSEX</td> <td></td> <td></td> <td>1</td> </tr> </table>	CONTRACT	PERMIT NO.	BR 3-151	SECTION	T202407901	DESIGNED BY:	JCG	SAFETY	COUNTY	CHECKED BY:	GAN	SHEET NO.	SUSSEX			1																			
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SUSSEX			1																																		



PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

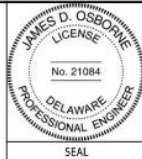
Paul Valm 01/05/2024
DATE

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET

Dave Wynn 1/5/2024
DATE

QA/QC REVIEWER

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



EAST SIDE

WEST SIDE

ADDENDA / REVISIONS

NOT TO SCALE

BRIDGE PAINTING,
SUSSEX COUNTY,
FY25

CONTRACT T202407901	PERMIT NO. BR 3-151
COUNTY SUSSEX	DESIGNED BY: JCG
	CHECKED BY: GAN

DETOUR PLAN -
PEDESTRIAN
FRONT ST @ BR 3-151

SECTION SAFETY
SHEET NO. 2

SPECIAL SIGNS

***DISPLAY (Y), ALONG WITH THE (YI) PLAQUE, FOR 10 DAYS PRIOR TO THE IMPLEMENTATION OF DETOUR. (YI) PLAQUE TO COMPLETELY COVER "FOLLOW DETOUR" LEGEND ON (Y) SIGN. UPON IMPLEMENTATION OF DETOUR, REMOVE PLAQUE FROM (Y) SIGNS AND RELOCATE (Y) TO A LOCATION OUTSIDE OF CLOSURE AREA.**

***RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND**

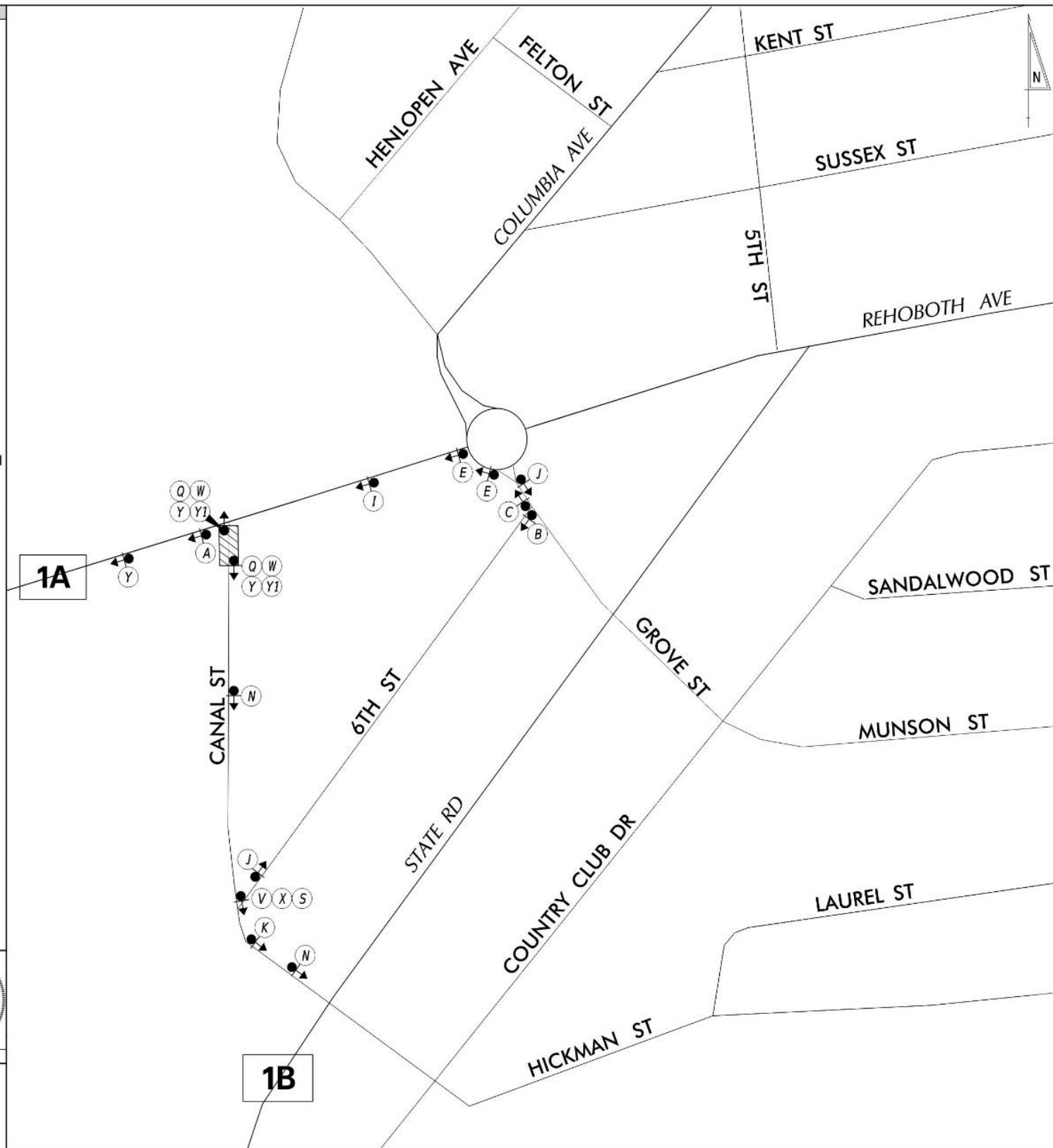
***ROUTE SHIELD - WHITE BACKGROUND; BLACK LEGEND**

PREPARED BY
 DELDOT - TRANSPORTATION SOLUTIONS
 TRAFFIC SAFETY
 [Signature] 01/05/2024
 DATE

SEAL
 JAMES D. OSBORNE
 LICENSE
 No. 21084
 DELAWARE
 PROFESSIONAL ENGINEER

QA/QC REVIEWER
 [Signature] 1/5/2024
 DATE

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



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 AHEAD W20-2	(M) DETOUR 500 FT AHEAD W20-2		
(N) ROAD CLOSED AHEAD W20-3	(O) ROAD CLOSED 1000 FT AHEAD W20-3	(P) ROAD CLOSED 500 FT AHEAD 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			

GENERAL NOTES

- ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
- SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
- "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
- ACCESS TO ALL PRIVATE PROPERTY MUST BE MAINTAINED AT ALL TIMES.

DETOUR DESCRIPTION

EASTBOUND MOTORISTS WILL ENTER THE CIRCLE ON SR-1A REHOBOTH AVE, EXIT RIGHT ONTO GROVE ST, TURN RIGHT ONTO 6TH ST, AND ARRIVE AT CANAL ST.

NORTHBOUND MOTORISTS WILL TURN RIGHT ONTO 6TH ST, LEFT ONTO GROVE ST, AND ARRIVE AT SR-1A REHOBOTH AVE.

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY [Signature] 01/02/2024
 DATE

CONTRACT	PERMIT NO.	BR 3-153	SECTION
T202407901	DESIGNED BY:	JCG	SAFETY
COUNTY	CHECKED BY:	GAN	SHEET NO.
SUSSEX			X

NOT TO SCALE

BRIDGE PAINTING, SUSSEX COUNTY, FY25

DETOUR PLAN - VEHICULAR CANAL ST @ SR-1A

SPECIAL SIGNS

*RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND

*DISPLAY (Y), ALONG WITH THE (YI) PLAQUE, FOR 10 DAYS PRIOR TO THE IMPLEMENTATION OF DETOUR. (YI) PLAQUE TO COMPLETELY COVER "FOLLOW DETOUR" LEGEND ON (Y) SIGN. UPON IMPLEMENTATION OF DETOUR, REMOVE (YI) PLAQUE FROM (Y) SIGNS AND RELOCATE (Y) TO A LOCATION OUTSIDE OF CLOSURE AREA.

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		

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- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

DETOUR DESCRIPTION

NORTHBOUND MOTORISTS WILL CONTINUE ON MIDDLEFORD RD, TURN RIGHT ONTO FRONT ST, AND ARRIVE AT POPLAR ST.

SOUTHBOUND MOTORISTS WILL CONTINUE ON FRONT ST, TURN LEFT ONTO MIDDLEFORD RD, AND ARRIVE AT POPLAR ST.

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY *Justin Eisen* 01/10/2024

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

Paul Edna 01/11/2024
DATE

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET

QA/QC REVIEWER
Dave Wynn 1/11/2024
DATE

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

NOT TO SCALE

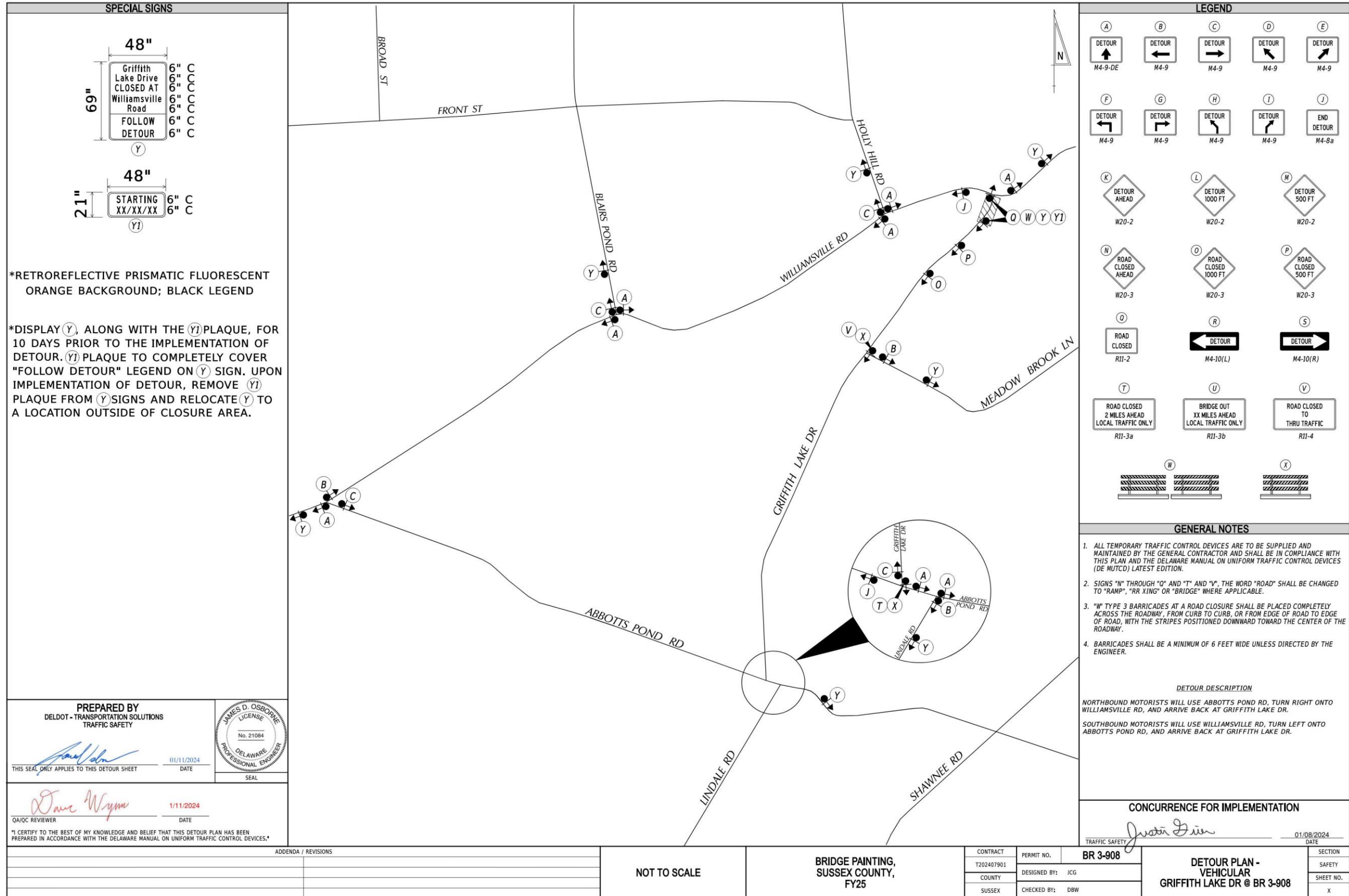
BRIDGE PAINTING,
SUSSEX COUNTY,
FY25

CONTRACT	PERMIT NO.	BR 3-256
T202407901	DESIGNED BY:	JCG
SUSSEX	CHECKED BY:	DBW

SECTION SAFETY

DETOUR PLAN - VEHICULAR
POPLAR ST @ BR 3-256

SHEET NO. X



SPECIAL SIGNS

48" x 69" sign: Griffith Lake Drive CLOSED AT Williamsville Road FOLLOW DETOUR (Y)

48" x 21" sign: STARTING XX/XX/XX (Y1)

*RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND

*DISPLAY (Y), ALONG WITH THE (Y1) PLAQUE, FOR 10 DAYS PRIOR TO THE IMPLEMENTATION OF DETOUR. (Y1) PLAQUE TO COMPLETELY COVER "FOLLOW DETOUR" LEGEND ON (Y) SIGN. UPON IMPLEMENTATION OF DETOUR, REMOVE (Y1) PLAQUE FROM (Y) SIGNS AND RELOCATE (Y) TO A LOCATION OUTSIDE OF CLOSURE AREA.

LEGEND

(A) DETOUR M4-9-DE (Right arrow)

(B) DETOUR M4-9 (Left arrow)

(C) DETOUR M4-9 (Right arrow)

(D) DETOUR M4-9 (Left arrow)

(E) DETOUR M4-9 (Up arrow)

(F) DETOUR M4-9 (Down arrow)

(G) DETOUR M4-9 (Right arrow)

(H) DETOUR M4-9 (Left arrow)

(I) DETOUR M4-9 (Up arrow)

(J) DETOUR M4-9 (Down arrow)

(K) DETOUR AHEAD W20-2 (1000 FT)

(L) DETOUR AHEAD W20-2 (500 FT)

(M) DETOUR AHEAD W20-2 (500 FT)

(N) ROAD CLOSED AHEAD W20-3 (1000 FT)

(O) ROAD CLOSED AHEAD W20-3 (500 FT)

(P) ROAD CLOSED AHEAD W20-3 (500 FT)

(Q) ROAD CLOSED R11-2

(R) DETOUR M4-10(L) (Left arrow)

(S) DETOUR M4-10(R) (Right arrow)

(T) ROAD CLOSED 2 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

GENERAL NOTES

- ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
- SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
- "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

DETOUR DESCRIPTION

NORTHBOUND MOTORISTS WILL USE ABBOTTS POND RD, TURN RIGHT ONTO WILLIAMSVILLE RD, AND ARRIVE BACK AT GRIFFITH LAKE DR.

SOUTHBOUND MOTORISTS WILL USE WILLIAMSVILLE RD, TURN LEFT ONTO ABBOTTS POND RD, AND ARRIVE BACK AT GRIFFITH LAKE DR.

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY: *Justin Green* DATE: 01/08/2024

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

Paul [Signature] DATE: 01/11/2024

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET

SEAL: JAMES D. OSBORNE LICENSE No. 21084 DELAWARE PROFESSIONAL ENGINEER

QA/QC REVIEWER: *Dave Wynn* DATE: 1/11/2024

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ADDENDA / REVISIONS

NOT TO SCALE

BRIDGE PAINTING,
SUSSEX COUNTY,
FY25

CONTRACT	PERMIT NO.	BR 3-908
T202407901	DESIGNED BY:	JCG
COUNTY	CHECKED BY:	DBW
SUSSEX		

DETOUR PLAN -
VEHICULAR
GRIFFITH LAKE DR @ BR 3-908

SECTION	SAFETY
SHEET NO.	X

LOCATION MAPS



BR 3-001 Rehoboth Blvd. (SR14) over Coastal Hwy (SR1)



BR 3-002 Cedar Beach Rd. over Coastal Hwy (SR1)
BR 3-003N&S Coastal Hwy (SR1) over Mispillion River

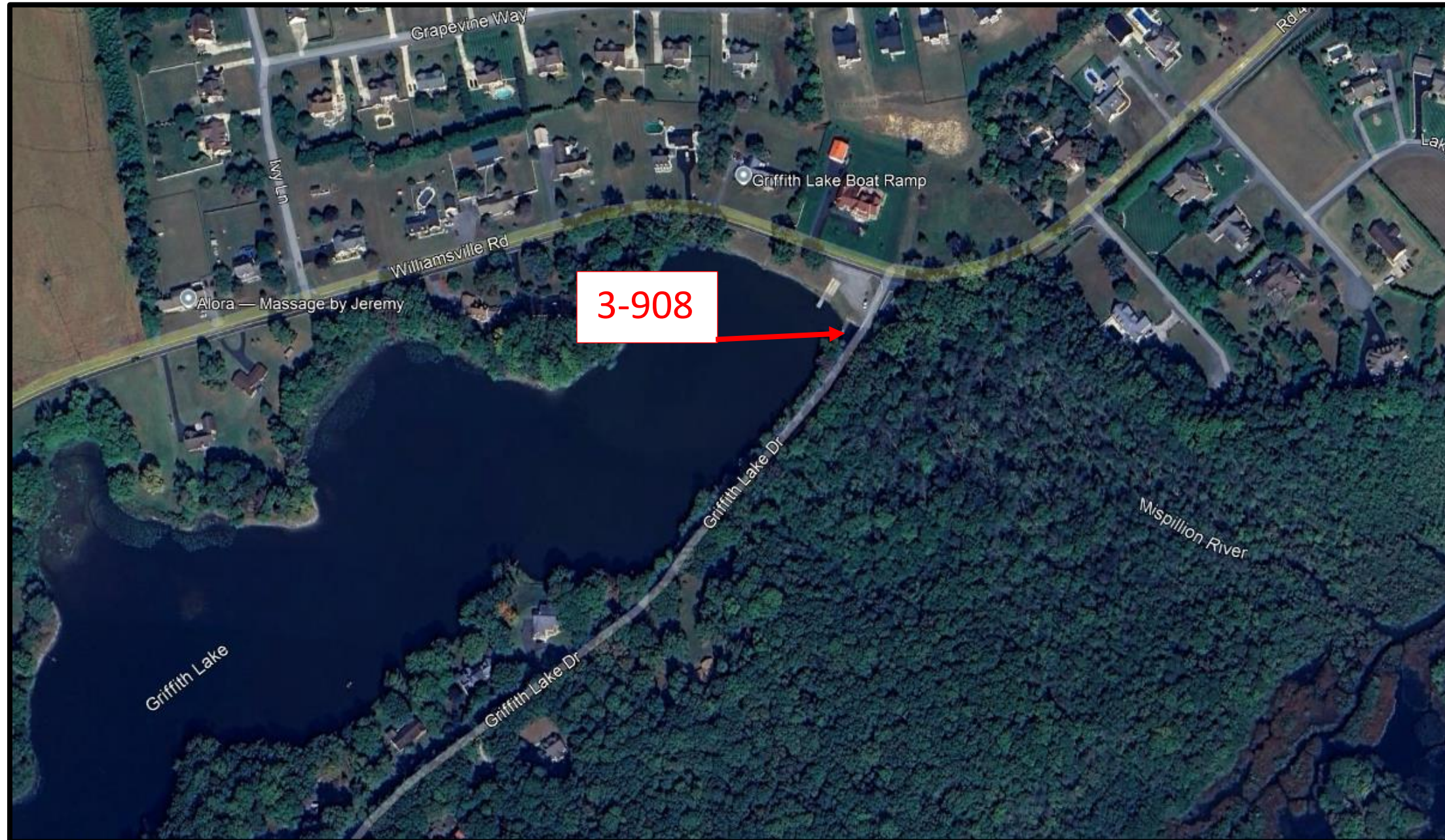


BR 3-151 Market St. over Nanticoke River

BR 3-256 Poplar St. over Williams Pond



BR 3-153 Rehoboth Ave. over Lewes-Rehoboth Canal



BR 3-908 Griffith Lake Dr. over Griffith Lake Spillway