

**THE STATE OF DELAWARE**



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

**Bridge Deck Sealing, New Castle County, US 301, FY24**

**CONTRACT NUMBER: T202307703**

**PROJECT ID: 22-07901**

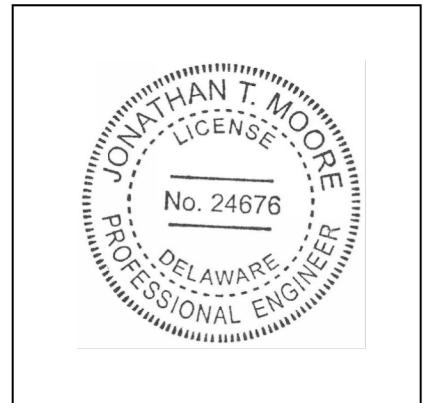
**FEDERAL AID NUMBER: N/A – US301 Funding**

**COUNTY: New Castle**

PLANS PREPARED BY: Jonathan T. Moore, P.E.

DeIDOT – PROJECT ENGINEER

Jonathan T. Moore, P.E.  
DELDOT –PROJECT MANAGER  
TRANSPORTATION SOLUTIONS



THIS SEAL APPLIES TO ALL SHEETS WITHIN THIS REPORT

**APPROVED FOR ADVERTISEMENT**

  
\_\_\_\_\_  
DIRECTOR OF TRANSPORTATION SOLUTIONS

07/15/2025  
DATE

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**CONTRACT DESCRIPTION**

1. The purpose of this contract is to seal bridge decks, approach slabs and sidewalks through the application of a silane-based concrete sealer, high molecular weight methacrylate concrete sealer and silicone joint sealer. There are 26 bridges included in this contract. Bridges in this contract are: 1-433, 1-436A, 1-458, 1-460A, 1-460N, 1-460S, 1-466N, 1-466S, 1-467N, 1-467S, 1-468N, 1-468S, 1-470N, 1-470S, 1-472N, 1-472S, 1-475, 1-477N, 1-477S, 1-479, 1-480N, 1-480S, 1-482, 1-486, 1-507N, 1-507S.

**GENERAL NOTES**

1. This project is to be completed in accordance with Delaware Department of Transportation “Standard Specifications for Road and Bridge Construction”, dated January 2025 and the Delaware Department of Transportation “Standard Construction Details”, dated 2025, including all revisions up to the date of advertisement.
2. An erosion control site reviewer shall be a person from the Contractor’s staff assigned to Erosion and Sediment Control Implementation and Maintenance and shall be required on specific projects. The name and DNREC certification number of each site reviewer so required shall be submitted to the Department prior to the execution of the contract. The name of the Delaware registered Professional Engineer providing direction and supervision of the site reviewer, as required in Section 12.3 of the Delaware Sediment and Stormwater Regulations, shall also be submitted to the Department prior to execution of the contract. The site reviewer requirements in effect on this project shall be as marked with an (x) below:

3.

| 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. |

4. Electronic project files that will be made available to the Contractor include: None.
5. Project files that will be made available to the Contractor include: Archived Construction Plans.
6. The disturbed area for this project is 0 acres. Added impervious area for this project is 0 acres.
7. The Contractor shall be responsible for adhering to the Construction Site Pollution Prevention Specifications as detailed in Section 3.6 of the “Delaware Erosion and Sediment Control Handbook”. All costs associated with adhering to the standards shall be incidental to the overall contract.

**PROJECT NOTES**

1. There are several methods of sealing cracks, joints and surfaces identified in this contract. The following Item Numbers will be used as noted in Table 2, Table 3, Table 4, and Table 5:
  - a. 504001 – PCC Crack and Joint Sealing Less Than ¾-Inch Wide
  - b. 613002 – Silane-Based Concrete Sealer
  - c. 624010 – Silicone Joint Seal, 1”
  - d. 624011 – Silicone Joint Seal, 2”
  - e. 628011 – Crack Sealing Bridge Decks, Approach Slabs, Sidewalks, ETC
2. General notes specific to each location are included in Table 1. These notes are given as estimates only. The Contractor shall verify the location and dimension of all quantities before submitting bids.
3. Prepare the surface of the deck, approach slab, sidewalks and medians in accordance with the Standard Specification Section 613.3.B.4-8. This work is incidental to the following Item Number:
  - a. 613002 – Silane Based Concrete Sealer.
4. Once the surface of the deck, approach slab, sidewalks and medians are clean, apply the silane-based concrete sealer in accordance with Sections 613 and 1045.3 of the Standard Specification. The silane should be applied per the lowest coverage rate specified by the manufacturer in the product data sheet and should be applied to completely cover and seal the entirety of the surface to which it is applied. Promptly remove any excess material from the concrete surface. This work will be paid for by the following Item Number:
  - a. 613002 – Silane Based Concrete Sealer.
5. Once the silane has cured per the requirements of the manufacturer, seal cracks in the deck, approach slab, sidewalks and medians. Seal visible cracks and tight construction joints with methacrylate concrete sealer. Seal cracks in accordance with the Sections 613, 628 and 1045.4. All cracks should be sealed until refusal where the sealer is visible at the top of the void, completely filling and bonding the void to keep moisture out and protecting the concrete. If the sealer is not visible at the top of the void, repeat the sealing process. This work will be paid for by the following Item Number:
  - a. 628011 – Crack Sealing Bridge Decks, Approach Slabs, ETC.
6. For larger construction joints, joints between backwall headers and approach slabs, joints between approach slabs and parapets, transition joints, or other open joints, prepare and seal the joint with a silicone joint sealant in accordance with Section 624 of the Standard Specification. The preparation shall be done prior to the application of the silane-based concrete sealer, however, the silicone shall be applied after the application and manufacture’s specified curing period of the silane-based concrete sealer. This work will be paid by the following Item Numbers:
  - a. For joints up to 1”, 624010 – Silicone Joint Seal, 1”
  - b. For joints up to 2”, 624011 – Silicone Joint Seal, 2”
7. For smaller construction joints, joints between backwall headers and approach slabs, joints between approach slabs and parapets, transition joints, or other open joints which exceed the sealing width capabilities of methacrylate but are not wider than ¾”, prepare and seal the joint with sealant in accordance with Section 504 of the Standard Specification. The preparation shall be done prior to the application of the silane-based concrete sealer, however, the sealant shall be applied after the application and manufacture’s specified curing period of the silane-based concrete sealer. This work will be paid by the following Item Number:
  - a. 504001 – PCC Crack and Joint Sealing Less Than ¾-Inch Wide

8. Trash, rubbish, and debris shall be removed within the project limits and shall be included in the initial deck, approach slab or sidewalk preparation and shall be incidental to the following Item Number:
  - a. 613002 – Silane Based Concrete Sealer.
9. During the cleaning operation, the Contractor shall protect/shield all striping and pavement markings, which will remain in place. When applying the sealant, the Contractor shall apply it directly on existing striping and pavement markings.
10. The Department reserves the right to stop the Contractor's operations when they are not in compliance with the Delaware MUTCD, Standard Specifications, or Contract Documents. The Department also reserves the right to stop the Contractor's operations if the engineer deems the operation unsafe.
11. Remove all equipment from the job site daily, except when approved by the engineer.
12. Perform all work within the existing DelDOT right-of-way.
13. No equipment is allowed in any waterway or wetland.
14. There are no environmental permits, or environmental construction restrictions provided that all work activities are contained to the top side of the structure.
15. For all bridge locations, the contractor is to ensure that all material is kept to the surface of the bridge so that nothing falls on the roadway, railroad, or waterway below.
16. The Contractor may store the equipment needed for this project at a pre-approved area. 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 DelDOT Construction Engineer if they wish to store equipment in a DelDOT Maintenance Yard. The Contractor must remove equipment when directed by the Department.
17. Areas in which the soil and vegetation have been damaged from the Contractors' operations, shall be repaired with topsoil, seed, and mulch in accordance with the requirements for Section 908 at no additional cost to the Department.

### MAINTENANCE OF TRAFFIC NOTES

1. The Delaware MUTCD Typical Applications to be used during all sealing operations have been provided by the Department in Table 6. If the contractor elects to deviate from the provided typical applications, 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. No additional compensation will be paid if the contractor elects to formulate their own Maintenance of Traffic plans. 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. 805001 – Plastic Traffic Control Drums
  - e. 806001 – Traffic Officers
  - f. 808002 – Provide and Maintain Truck Mounted Attenuator, Type II
  - g. 810001 – Temporary Warning Signs and Plaques
  - h. 811001 – Flagger, New Castle County, Federal
  - i. 860001 – Temporary Markings, Latex 4”
2. The Contractor must always maintain at least one through lane in each direction.
3. The Contractor may work concurrently on up to 3 bridge locations with the approval of the engineer. The engineer reserves the right to restrict how many bridges may be worked on concurrently. If the Contractor elects to work on multiple locations, the Contractor shall maintain a minimum 1 mile separation between maintenance of traffic typical application set-ups and no typical application set-ups may be in conflict or overlap. The contractor must have a crew working at each location when the maintenance of traffic typical application is in place.
4. 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 setting up the associated 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
5. All MOT shall only occur during the period shown in Table 6. The contractor shall strictly adhere to these time restrictions.
6. Storage of equipment shall be in accordance with Table 6G-2 of the Delaware MUTCD. PCMS boards shall be placed off the shoulder for emergency vehicle access.

- 7. 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.
- 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. |

**Table 1 – Bridge Specific Notes**

| Bridge List | Bridge Specific Notes   |
|-------------|---|
| 1433 084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joints (2 total) that are between the approach roadway and strip seal header at each end of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck or approach slabs.</li> </ul>                                |
| 1436A413    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (2 total) that are between the approach slab and deck at each end of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck or approach slabs.</li> </ul>                                     |
| 1458 413    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (2 total) that are between the approach slab and the deck at each end of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck or approach slabs.</li> </ul>                                 |
| 1460A413    | <ul style="list-style-type: none"> <li>- Silane deck, approach slabs and sidewalks.</li> <li>- Silicone the transition joints (2 total) that are between the approach slab and the deck near the strip seal at each end of the structure.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul> |
| 1460N084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joints (2 total) that are between the approach slab and the deck near the strip seal at each end of the structure.</li> <li>- Methacrylate 3 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>            |
| 1460S084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joints (2 total) that are between the approach slab and the deck near the strip seal at each end of the structure.</li> <li>- Methacrylate 3 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>            |
| 1466N084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joint over the north abutment.</li> <li>- Methacrylate any visible cracks in the deck.</li> <li>- Methacrylate any visible cracks in the approach slabs.</li> </ul>   |
| 1466S084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joint over the north abutment.</li> <li>- Methacrylate any visible cracks in the deck.</li> <li>- Methacrylate any visible cracks in the approach slabs.</li> </ul>   |
| 1467N084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> </ul>   |
| 1467S084    | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> </ul>   |
|             |   |

|          |  |
|----------|--|
| 1468N084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at each end of the structure and by the strip seal at each end of the structure.</li> <li>- Methacrylate any visible cracks in deck, approach slabs and sidewalks.</li> </ul>   |
| 1468S084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at each end of the structure and by the strip seal at each end of the structure.</li> <li>- Methacrylate any visible cracks in deck, approach slabs and sidewalks.</li> </ul>   |
| 1470N084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at each end of the structure and between the approach roadway and the strip seal header at each end of the structure.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul> |
| 1470S084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at each end of the structure and between the approach roadway and the strip seal header at each end of the structure.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul> |
| 1472N084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at both ends of the structure and between the approach roadway and the strip seal header at both ends of the structure.</li> </ul>  |
| 1472S084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach slab and the deck at both ends of the structure and between the approach roadway and the strip seal header at both ends of the structure.</li> </ul>  |
| 1475 437 | <ul style="list-style-type: none"> <li>- Silane deck, approach slabs and sidewalks.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>  |
| 1477N084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (2 total) between the approach roadway and the strip seal header at both ends of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>  |
| 1477S084 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (2 total) between the approach roadway and the strip seal header at both ends of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>  |
|          |  |

|           |  |
|-----------|--|
| 1479 6617 | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (2 total) at the strip seal header and adjacent to the strip seal.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>   |
| 1480N084  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) at the strip seal header (2 per header) at both ends of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>   |
| 1480S084  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) at the strip seal header (2 per header) at both ends of the structure.</li> <li>- Methacrylate 4 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>   |
| 1482 010  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joints (2 total) between the approach slab and the deck at both ends of the structure</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>  |
| 1486 445  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Silicone the transition joints (2 total) between the approach slab and the deck at both ends of the structure.</li> <li>- Hot pour crack seal touch ups on the construction joints (2 total) where needed.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul>         |
| 1507N084  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach roadway and the strip seal header at both ends of the structure and between the approach slab and the deck at both ends of the structure.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul> |
| 1507S084  | <ul style="list-style-type: none"> <li>- Silane deck and approach slabs.</li> <li>- Hot pour crack seal the transition joints (4 total) between the approach roadway and the strip seal header at both ends of the structure and between the approach slab and the deck at both ends of the structure.</li> <li>- Methacrylate 2 construction joints as well as any visible cracks in deck, approach slabs and sidewalks.</li> </ul> |

**Table 2 – Deck Sealing Items**

| Bridge List | Silicone Joint Seal, 1" 624010 (LF) | Silicone Joint Seal, 2" 624011 (LF) | Methacrylate 628011 (LF) | Silane 613002 (SF) | PCC Crack and Joint Sealing Less Than ¾-Inch Wide 504001 (LF) |
|-------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|---|
| 1433 084    | X                                   |                                     |                          | X                  |   |
| 1436A413    |                                     |                                     | X                        | X                  | X   |
| 1458 413    |                                     |                                     | X                        | X                  | X   |
| 1460A413    | X                                   |                                     | X                        | X                  |   |
| 1460N084    | X                                   |                                     | X                        | X                  |   |
| 1460S084    | X                                   |                                     | X                        | X                  |   |
| 1466N084    | X                                   |                                     |                          | X                  |   |
| 1466S084    | X                                   |                                     |                          | X                  |   |
| 1467N084    |                                     |                                     |                          | X                  |   |
| 1467S084    |                                     |                                     |                          | X                  |   |
| 1468N084    |                                     |                                     | X                        | X                  | X   |
| 1468S084    |                                     |                                     | X                        | X                  | X   |
| 1470N084    |                                     |                                     | X                        | X                  | X   |
| 1470S084    |                                     |                                     | X                        | X                  | X   |
| 1472N084    |                                     |                                     |                          | X                  | X   |
| 1472S084    |                                     |                                     |                          | X                  | X   |
| 1475 437    |                                     |                                     | X                        | X                  |   |
| 1477N084    |                                     |                                     | X                        | X                  |   |
| 1477S084    |                                     |                                     | X                        | X                  |   |
| 1479 6617   |                                     |                                     | X                        | X                  | X   |
| 1480N084    |                                     |                                     | X                        | X                  |   |
| 1480S084    |                                     |                                     | X                        | X                  |   |
| 1482 010    |                                     | X                                   | X                        | X                  |   |
| 1486 445    | X                                   |                                     | X                        | X                  | X   |
| 1507N084    |                                     |                                     | X                        | X                  | X   |
| 1507S084    |                                     |                                     | X                        | X                  | X   |

**Table 3 – Approach Slab Sealing Items**

| Bridge List | Silicone Joint Seal, 1" 624010 (LF) | Silicone Joint Seal, 2" 624011 (LF) | Methacrylate 628011 (LF) | Silane 613002 (SF) | PCC Crack and Joint Sealing Less Than ¾-Inch Wide 504001 (LF) |
|-------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|---|
| 1433 084    |                                     |                                     | X                        | X                  |   |
| 1436A413    |                                     |                                     | X                        | X                  |   |
| 1458 413    |                                     |                                     | X                        | X                  |   |
| 1460A413    |                                     |                                     | X                        | X                  |   |
| 1460N084    |                                     |                                     |                          | X                  |   |
| 1460S084    |                                     |                                     |                          | X                  |   |
| 1466N084    |                                     |                                     | X                        | X                  |   |
| 1466S084    |                                     |                                     | X                        | X                  |   |
| 1467N084    |                                     |                                     |                          | X                  |   |
| 1467S084    |                                     |                                     |                          | X                  |   |
| 1468N084    |                                     |                                     | X                        | X                  | X   |
| 1468S084    |                                     |                                     | X                        | X                  | X   |
| 1470N084    |                                     |                                     |                          | X                  | X   |
| 1470S084    |                                     |                                     |                          | X                  | X   |
| 1472N084    |                                     |                                     |                          | X                  | X   |
| 1472S084    |                                     |                                     |                          | X                  | X   |
| 1475 437    |                                     |                                     |                          | X                  |   |
| 1477N084    |                                     |                                     |                          | X                  | X   |
| 1477S084    |                                     |                                     |                          | X                  | X   |
| 1479 6617   |                                     |                                     |                          | X                  | X   |
| 1480N084    |                                     |                                     |                          | X                  | X   |
| 1480S084    |                                     |                                     |                          | X                  | X   |
| 1482 010    |                                     |                                     |                          | X                  |   |
| 1486 445    |                                     |                                     |                          | X                  |   |
| 1507N084    |                                     |                                     |                          | X                  | X   |
| 1507S084    |                                     |                                     |                          | X                  | X   |

**Table 4 – Sidewalk Sealing Items**

| Bridge List | Silicone Joint Seal, 1" 624010 (LF) | Silicone Joint Seal, 2" 624011 (LF) | Methacrylate 628011 (LF) | Silane 613002 (SF) | PCC Crack and Joint Sealing Less Than ¾-Inch Wide 504001 (LF) |
|-------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|---|
| 1433 084    |                                     |                                     |                          |                    |   |
| 1436A413    |                                     |                                     |                          |                    |   |
| 1458 413    |                                     |                                     |                          |                    |   |
| 1460A413    |                                     |                                     |                          | X                  |   |
| 1460N084    |                                     |                                     |                          |                    |   |
| 1460S084    |                                     |                                     |                          |                    |   |
| 1466N084    |                                     |                                     |                          |                    |   |
| 1466S084    |                                     |                                     |                          |                    |   |
| 1467N084    |                                     |                                     |                          |                    |   |
| 1467S084    |                                     |                                     |                          |                    |   |
| 1468N084    |                                     |                                     |                          |                    |   |
| 1468S084    |                                     |                                     |                          |                    |   |
| 1470N084    |                                     |                                     |                          |                    |   |
| 1470S084    |                                     |                                     |                          |                    |   |
| 1472N084    |                                     |                                     |                          |                    |   |
| 1472S084    |                                     |                                     |                          |                    |   |
| 1475 437    |                                     |                                     | X                        | X                  |   |
| 1477N084    |                                     |                                     |                          |                    |   |
| 1477S084    |                                     |                                     |                          |                    |   |
| 1479 6617   |                                     |                                     |                          |                    |   |
| 1480N084    |                                     |                                     |                          |                    |   |
| 1480S084    |                                     |                                     |                          |                    |   |
| 1482 010    |                                     |                                     |                          |                    |   |
| 1486 445    |                                     |                                     |                          |                    |   |
| 1507N084    |                                     |                                     |                          |                    |   |
| 1507S084    |                                     |                                     |                          |                    |   |

**Table 5 – Median Sealing Items**

| Bridge List | Silicone Joint Seal, 1" 624010 (LF) | Silicone Joint Seal, 2" 624011 (LF) | Methacrylate 628011 (LF) | Silane 613002 (SF) | PCC Crack and Joint Sealing Less Than ¾-Inch Wide 504001 (LF) |
|-------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|---|
| 1433 084    |                                     |                                     |                          |                    |   |
| 1436A413    |                                     |                                     |                          |                    |   |
| 1458 413    |                                     |                                     |                          |                    |   |
| 1460A413    |                                     |                                     |                          |                    |   |
| 1460N084    |                                     |                                     |                          |                    |   |
| 1460S084    |                                     |                                     |                          |                    |   |
| 1466N084    |                                     |                                     |                          |                    |   |
| 1466S084    |                                     |                                     |                          |                    |   |
| 1467N084    |                                     |                                     |                          |                    |   |
| 1467S084    |                                     |                                     |                          |                    |   |
| 1468N084    |                                     |                                     |                          |                    |   |
| 1468S084    |                                     |                                     |                          |                    |   |
| 1470N084    |                                     |                                     |                          |                    |   |
| 1470S084    |                                     |                                     |                          |                    |   |
| 1472N084    |                                     |                                     |                          |                    |   |
| 1472S084    |                                     |                                     |                          |                    |   |
| 1475 437    |                                     |                                     |                          |                    |   |
| 1477N084    |                                     |                                     |                          |                    |   |
| 1477S084    |                                     |                                     |                          |                    |   |
| 1479 6617   |                                     |                                     |                          |                    |   |
| 1480N084    |                                     |                                     |                          |                    |   |
| 1480S084    |                                     |                                     |                          |                    |   |
| 1482 010    |                                     |                                     | X                        | X                  |   |
| 1486 445    |                                     |                                     |                          |                    |   |
| 1507N084    |                                     |                                     |                          |                    |   |
| 1507S084    |                                     |                                     |                          |                    |   |

**Table 6 - Maintenance of Traffic**

| Bridge List | Facility Carried   | Feature Intersected      | Coordinates                                 | MOT Cases              | Allowable Lane Closure Hours |
|-------------|--------------------|--------------------------|---|------------------------|------------------------------|
| 1433 084    | US 301 NB          | SR 1                     | Lat: 39d 31' 46"<br>Long: 75d 39' 0.10"     | TA 42 and TA 44        | 8am - 5pm                    |
| 1436A413    | Hyetts Corner Rd   | US 301                   | Lat: 39d 31' 27.7"<br>Long: 75d 39' 47.6"   | TA 10                  | 9am - 3pm                    |
| 1458 413    | Hyetts Corner Rd   | Scott Run                | Lat: 39d 31' 30.2"<br>Long: 75d 39' 54.3"   | TA 10                  | 9am - 3pm                    |
| 1460A413    | Jamison Corner Rd. | US 301                   | Lat: 39d 31' 27"<br>Long: 75d 40' 46.80"    | TA 26A                 | 8am - 5pm                    |
| 1460N084    | US 301 NB          | Scott Run                | Lat: 39d 31' 28"<br>Long: 75d 39' 58.50"    | TA 33 and TA 3A        | 8am - 5pm                    |
| 1460S084    | US 301 SB          | Scott Run                | Lat: 39d 31' 28.80"<br>Long: 75d 39' 57.90" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1466N084    | US 301             | Boyds Corner Rd./ SR 896 | Lat: 39d 30' 24.90"<br>Long: 75d 41' 34.10" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1466S084    | US 301             | Boyds Corner Rd./ SR 896 | Lat: 39d 30' 25.60"<br>Long: 75d 41' 35"    | TA 33 and TA 3A        | 8am - 5pm                    |
| 1467N084    | US 301 NB          | Drawyer Creek            | Lat: 39d 29' 46.90"<br>Long: 75d 42' 7.30"  | TA 33 and TA 3A        | 8am - 5pm                    |
| 1467S084    | US 301 SB          | Drawyer Creek            | Lat: 39d 29' 47.60"<br>Long: 75d 42' 7.80"  | TA 33 and TA 3A        | 8am - 5pm                    |
| 1468N084    | US 301 NB          | N/S Railroad             | Lat: 39d 29' 23.10"<br>Long: 75d 42' 54.30" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1468S084    | US 301 SB          | N/S Railroad             | Lat: 39d 29' 24.20"<br>Long: 75d 42' 54.10" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1470N084    | US 301 NB          | Summit Bridge Rd./ SR 71 | Lat: 39d 29' 18.90"<br>Long: 75d 43' 2.60"  | TA 33 and TA 3A        | 8am - 5pm                    |
| 1470S084    | US 301 SB          | Summit Bridge Rd./ SR 71 | Lat: 39d 29' 20.20"<br>Long: 75d 43' 2"     | TA 33 and TA 3A        | 8am - 5pm                    |
| 1472N084    | US 301 NB          | Armstrong Corner Rd.     | Lat: 39d 28' 50.10"<br>Long: 75d 43' 26.20" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1472S084    | US 301 SB          | Armstrong Corner Rd.     | Lat: 39d 28' 50.20"<br>Long: 75d 43' 27.50" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1475 437    | Bunker Hill Rd.    | US 301                   | Lat: 39d 27' 23.30"<br>Long: 75d 44' 29.40" | TA 10                  | 8am - 2pm                    |
| 1477N084    | US 301 NB          | Trib. to Sandy Branch    | Lat: 39d 26' 55.30"<br>Long: 75d 44' 52.90" | TA 33 and TA 3A        | 8am - 5pm                    |
| 1477S084    | US 301 SB          | Trib. to Sandy Branch    | Lat: 39d 26' 55"<br>Long: 75d 44' 54.60"    | TA 33 and TA 3A        | 8am - 5pm                    |
| 1479 6617   | US 301 Ramp F      | Sandy Branch             | Lat: 39d 26' 50.10"<br>Long: 75d 45' 1.90"  | TA 42 and TA 44        | 8am - 5pm                    |
| 1480N084    | US 301 NB          | Sandy Branch             | Lat: 39d 26' 47.10"<br>Long: 75d 45' 0.80"  | TA 33 and TA 3A        | 8am - 5pm                    |
| 1480S084    | US 301 SB          | Sandy Branch             | Lat: 39d 26' 48.20"<br>Long: 75d 45' 1.30"  | TA 33 and TA 3A        | 8am - 5pm                    |
| 1482 010    | Levels Rd./ SR 299 | US 301                   | Lat: 39d 26' 41.80"<br>Long: 75d 45' 6.60"  | TA 21, TA 23 and TA 33 | 9am - 3pm                    |
| 1486 445    | Strawberry Lane    | US 301                   | Lat: 39d 24' 54.40"<br>Long: 75d 46' 0.20"  | TA 10                  | 9am - 3pm                    |
| 1507N084    | US 301 NB          | Connector Rd.            | Lat: 39d 29' 3"<br>Long: 75d 43' 18.30"     | TA 33 and TA 3A        | 8am - 5pm                    |
| 1507S084    | US 301 SB          | Connector Rd.            | Lat: 39d 29' 3.40"<br>Long: 75d 43' 19.20"  | TA 33 and TA 3A        | 8am - 5pm                    |

### Location Maps

