

THE STATE OF DELAWARE



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

SR 1 Corridor Phase One Bridge Deck Sealing, New Castle County, FY21

CONTRACT NUMBER - T202007403

PRIMAVERA ID – 20-07403

FEDERAL AID NUMBER – NH-2020(16)

COUNTY: New Castle

PLANS PREPARED BY: Ryan Kendzierski  
DeIDOT – PROJECT ENGINEER

DELDOT –PROJECT MANAGER  
TRANSPORTATION SOLUTIONS

6/29/20

DATE



THIS SEAL APPLIES TO ALL SHEETS WITHIN THIS REPORT

APPROVED FOR ADVERTISEMENT

DIRECTOR OF TRANSPORTATION SOLUTIONS

7/1/2020

DATE

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## CONTRACT DESCRIPTION

The purpose of this contract is to apply a silane-based concrete sealer to the concrete bridge deck and approach slabs of 37 bridges consisting of the following bridges: 1-262S, 1-262N, 1-264S, 1-264N, 1-267S, 1-267N, 1-268A, 1-268B, 1-223, 1-222, 1-305N, 1-305S, 1-310, 1-313, 1-315N, 1-315S, 1-317N, 1-317S, 1-318, 1-319N, 1-319S, 1-328N, 1-328S, 1-329N, 1-329S, 1-331A, 1-331B, 1-331N, 1-331S, 1-301, 1-306, 1-893N, 1-893S, 1-900N, 1-900S, 1-901N, 1-901S. Work shall also include crack sealing deck.

## GENERAL NOTES

1. This project is to be constructed in accordance with Delaware Department of Transportation "Standard Specifications for Road and Bridge Construction", dated August 2016 and the Delaware Department of Transportation "Standard Construction Details", dated 2018, including all revisions up to the date of advertisement.
2. Whenever the word "Contractor" is used in this contract, it shall refer to the person or persons, company or corporation furnishing the services required.
3. Whenever the word "Department" or "Engineer" is used, it shall refer to the person or persons, representing the Delaware Department of Transportation (DelDOT).
4. The Contractor shall give two (2) weeks notice to the property owner when any fixture, shrub, or other object must be removed from the right of way or easement area. If the owner has not attempted to salvage this property, the Contractor shall remove it without obligation. Compensation shall be incidental to the contract.
5. It is anticipated that all work will occur within DelDOT's existing right of way or easement areas. Should the need occur to trespass onto private property; it will be the responsibility of the Engineer to secure such trespass needs.
6. Site reviewer. 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:

Erosion potential for this project	Site reviewer requirement
( X ) Insignificant	None
( ) Minor	Contractor certification course training only. See 1 below.
( ) Medium	Superintendent or a separate individual from the Contractor’s staff shall be a certified construction reviewer (CCR). See 2 below.
( ) Major	Superintendent and an individual from the Contractor’s staff shall be CCR. See 3 below.

1. As defined in section 13 of the Delaware Sediment and Stormwater Regulations.
2. As defined in section 12 of the Delaware Sediment and Stormwater Regulations.
3. One individual from the Contractor’s staff must be a CCR prior to the execution of the contract. The superintendent must become a CCR within one year after the award of contract.

7. The disturbed area for the project is 0.00 Acres.
8. The additional impervious area for this project is 0.00 Sq. Ft.
9. 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.
10. Electronic project files that will be made available to the Contractor include: As-Built plans of all bridges included in the contract.
11. The Contractor and any affiliated Sub-Contractors are prohibited from using any of the emergency median cross overs or access gates on SR. 1.
12. It is the Contractors responsibility to coordinate work with Engineer while working in and around the area of Christiana Mall (Bridges 1-268A, 1-268B, 1-223, 1-222, 1-331B, 1-331A, 1-331S, 1-331N, 1-329S, 1-329N, 1-328S, 1-328N). Bridges 1-222 and 1-223 start time must be coordinated with Construction so work(detours) do not impact on going projects in the area.

**PROJECT NOTES**

1. Clean the deck of all dirt and debris. Once clean, Seal cracks in the deck, approach slab. Seal visible cracks with Methacrylate Concrete Sealer. Seal cracks in accordance with the standard specifications. After the sealing is complete, sealer should be visible at the top of the crack, completely filling the void, bonding the crack to keep moisture out and protecting the concrete. Flood seal areas with Methacrylate where extensive cracking is present. Repeat the process if necessary. For the deck, once the visible cracks have been sealed according to the process above, seal the entire deck with Silane based concrete deck sealer.
2. The sealant used for the deck and approach slabs shall be applied at a rate recommended by the Manufacturer. It will be applied uniformly and completely to cover the surfaces as specified in item 613002 – Silane-Based Concrete Deck Sealer. **All grooves or indentations need to also have excess sealant removed.**
3. Trash, rubbish, debris, or brush, which hampers contract operations (determined by the Engineer), shall be removed within the project limits and shall be incidental to Item no. 613002 – Silane-Based Concrete Deck Sealer, Item no. 628011 - High Molecular Weight Methacrylate Concrete Sealer, and Item no. 613003 - High Molecular Weight Methacrylate Concrete Sealer(Flood Coat).Bridges in table below are to have their approach slabs flooded with Methacrylate Concrete Sealer.
4. During the cleaning operation, the Contractor shall protect/shield all striping and pavement markings, which will remain in place. When applying sealant Contractor shall apply it directly on existing striping and pavement markings.
5. Only lane and/or shoulder closures outlined below shall be permitted using Typical Applications of the DE-MUTCD or as directed by the Engineer. The Contractor must maintain at least one through lane in each direction at all times.
6. The Department reserves the right to stop the Contractor's operations, if in the opinion of the Engineer the Contractor's operations are not in compliance with the Delaware MUTCD, the specifications, or the Contract Documents. The Department also reserves the right to stop the Contractor's operations if the Engineer deems the operation unsafe.
7. 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. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

8. All traffic control devices shall be in new or refurbished condition, shall be in compliance with the Traffic Control Manual and with the NCHRP Report 350 and/or MASH as defined in Section 'A' of the Traffic Control Manual, and shall be approved by the Engineer before installation. Traffic control devices shall be maintained in good condition for duration of use.
9. All equipment shall be removed from the job sites on a daily basis, except when allowed by the Engineer.
10. All work shall be performed within the existing right-of-way.
11. No equipment is allowed in any waterway or wetland.
12. There are no environmental permits, or environmental construction restrictions.

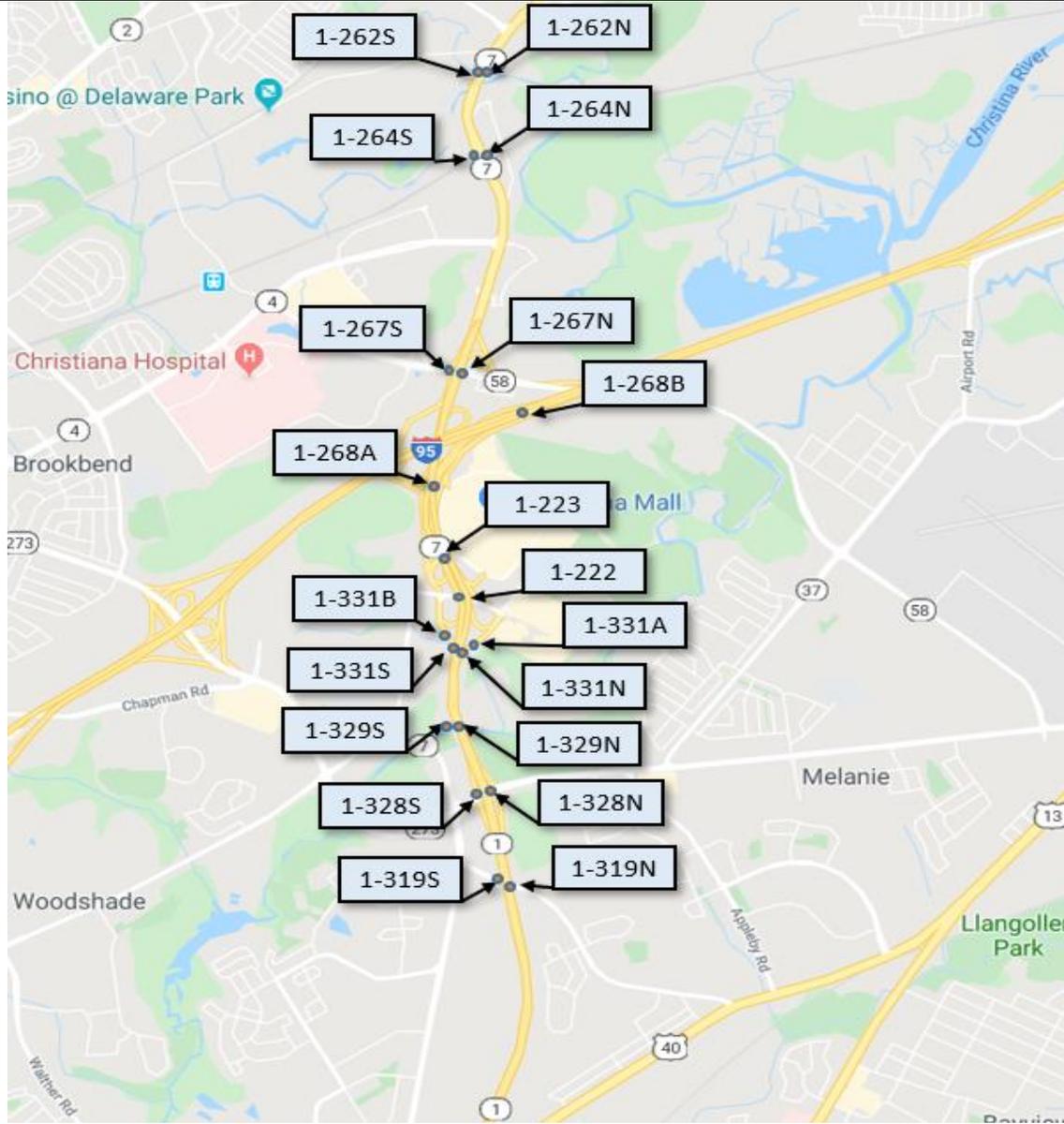
13. The Contractor may store the equipment needed for this project at a pre-approved area or in the nearest State of Delaware maintenance yard. The Contractor must remove equipment when the district deems it necessary. Areas in which the soil and vegetation have been damaged from equipment during this contract, shall be repaired with topsoil, seed and mulch in accordance with the requirements for Section 908 at no additional cost to the Department. If the Contractor wishes to store equipment in the DeIDOT 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 DeIDOT Construction Engineer if they wish to store equipment in a DeIDOT Maintenance Yard.
  
14. Two Portable Changeable Message Signs shall be placed near the location of the affected bridges as per the instruction of the Engineer, for each roadway affected, ten days prior to the start of construction until five days after the start of construction to notify drivers of the lane/shoulder closure and impending construction activity. The message shall include the dates and times of the lane closures and how long the closures will be necessary, message shall be approved by the Safety Officer. For locations that have parallel structures, a total of two variable message boards shall be used for both bridges. Payment under Item No. 803001– Furnish and Maintain Portable Changeable Message Sign.

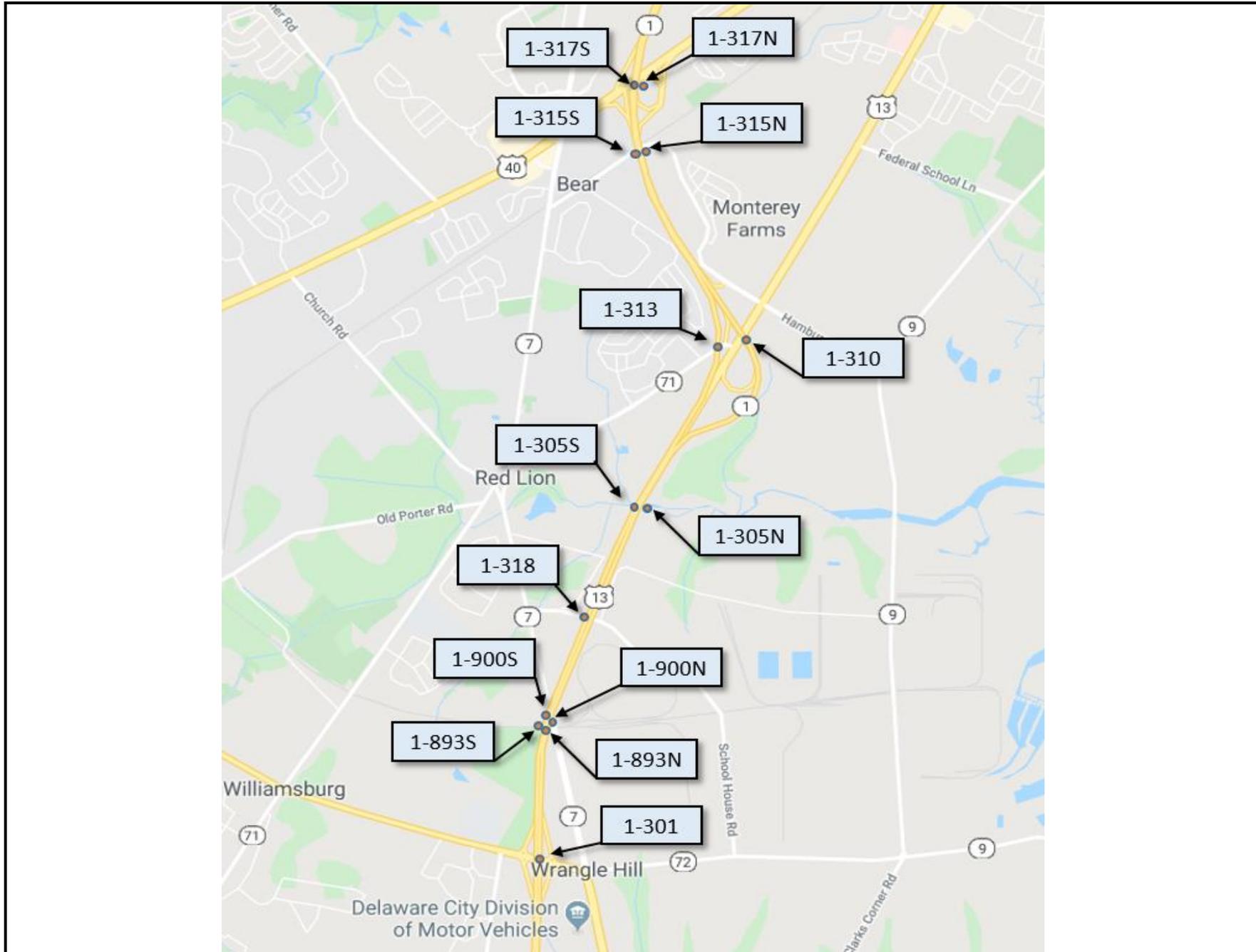
Bridge #	Facility Carried	Feature Intersected	Allowable Lane Closure Hours	MOT Cases	Flood Approach Slabs (Item no. 613003)
1-222	MALL RD/ SR 7 NB & SB	SR1	8 PM - 7 AM	DETOUR	NO
1-223	MALL ENTRANCE	KOREAN WAR VET MEM HGWY	8 PM - 7 AM	DETOUR	NO
1-262N	SR7 & SR4	WHITE CLAY CREEK	9 PM - 6 AM	TA-37	NO
1-262S	SR 7 / SR 4	WHITE CLAY CREEK	9 PM - 6 AM	TA-37	NO
1-264N	SR7 & SR4	AMTRAK	9 PM - 6 AM	TA-37	YES
1-264S	SR 7 / SR 4	AMTRAK	9 PM - 6 AM	TA-37	YES
1-267N	STANTON CHRISTIANA	CHURCHMAN'S RD	9 PM - 6 AM	TA-37	NO
1-267S	STANTON CHRISTIANA	CHURCHMAN'S RD/SR58	9 PM - 6 AM	TA-33	NO
1-268A	SR1NB-I95NB RAMP	SR7	9 PM - 5 AM	DETOUR **	NO
1-268B	SR1NB-I95NB RAMP	I95 NB	9 PM - 5 AM	DETOUR **	NO
1-305N	KOREAN WAR VET MEM	RED LION CREEK	9 PM - 5 AM	*	NO
1-305S	KOREAN WAR VET MEM	RED LION CREEK	11 PM - 6 AM	TA-37	NO
1-310	SR 1	US 13	8 PM - 5 AM	TA-33	NO
1-313	SR 1	SR 71	10 PM - 6 AM	TA-33	YES
1-315N	KOREAN WAR VET MEM	NORFOLK SOUTHERN/ RD 381	8 PM - 5 AM	*	YES
1-315S	KOREAN WAR VET MEM	NORFOLK SOUTHERN/ RD 381	10 PM - 6 AM	*	YES
1-317N	SR 1	US 40	8 PM - 5 AM	*	YES
1-317S	SR 1	US 40	10 PM - 6 AM	TA-33	YES
1-318	LOWER TWIN LANE RD	SR 1	9 AM - 3 PM	TA-10	NO
1-319N	SR 1	SCHOOL BELL RD	9 PM - 5 AM	*	NO
1-319S	SR 1	SCHOOL BELL RD	11 PM - 6 AM	*	NO
1-328N	KOREAN WAR MEM HGY	SR273/HARES CORNER RD	9 PM - 5 AM	TA-33	YES
1-328S	KOREAN WAR MEM HGY	SR 273/HARES CORNER RD	11 PM - 6 AM	TA-33	YES
1-329N	SR1 NORTHBOUND	CHRISTINA RIVER	9 PM - 5 AM	*	YES
1-329S	KOREAN WAR MEM HGY	CHRISTINA RIVER	11 PM - 6 AM	*	YES
1-331A	RAMP 6332 TO SR1	EAGLE RUN	9 PM - 5 AM	TA-43	NO
1-331B	RAMP 6338 TO SR1	EAGLE RUN	9 PM - 5 AM	TA-44	NO
1-331N	SR1	EAGLE RUN	9 PM - 5 AM	*	NO
1-331S	SR1	EAGLE RUN	11 PM - 6 AM	TA-37	NO
1-301	SR72/ WRANGLE HILL RD	SR1	9 AM - 3 PM	TA-21	NO
1-306	KIRKWO ST GEORGES	SR1	9 AM - 3 PM	TA-10	NO
1-893N	SR 1 NORTHBOUND	NORFOLK SOUTHERN	9 PM - 5 AM	TA-37	NO
1-893S	SR 1 SB	NORFOLK SOUTHERN	11 PM - 6 AM	TA-37	NO
1-900N	SR 1	SR 7 / BEAR-CORBIT RD.	9 PM - 5 AM	TA-37	NO
1-900S	SR 1	SR 7 / BEAR-CORBIT RD.	11 PM - 6 AM	TA-37	NO
1-901N	SR 1 NORTHBOUND	DRAGON CREEK	9 PM - 5 AM	TA-37	NO
1-901S	SR 1 SB	DRAGON CREEK	10 PM - 6 AM	TA-37	NO

\*Typical application's (TA's) at on/off ramp use TA-42, TA-43 or TA-44. Use TA-37 for lane closures on other side of the roadway not impacting the on/off ramp lanes.

\*\* During deck sealing operations on BR 1-268 A & B the ramp shall be closed, and traffic detoured to use Exit 165 C Ramp. Contractor to submit detour / MOT plan to the Engineer for approval.

### Location Maps







PORTABLE CHANGEABLE MESSAGE SIGNS	
<b>PRIOR TO DETOUR</b> (10 DAYS PRIOR TO BEGINNING OF DETOUR)	
PCMS-1 MALL RD TO CLOSE 9PM-7AM	STARTING XX/XX/XX
<b>DURING DETOUR</b> (DISPLAY AFTER IMPLEMENTATION OF DETOUR)	
PCMS-2 EXIT 164A CLOSED	FOLLOW DETOUR
<b>DURING DETOUR</b> (DISPLAY AFTER IMPLEMENTATION OF DETOUR)	
PCMS-3 MALL RD BRIDGE CLOSED	FOLLOW DETOUR

SPECIAL SIGNS	
DETOUR M4-9 DE1	AHEAD DETOUR R3-17a M4-9 DE1
*SEE PAGE 3 OF DETOUR PLANS FOR INTERSTATE/EXPRESSWAY/FREEWAY SIGNS	

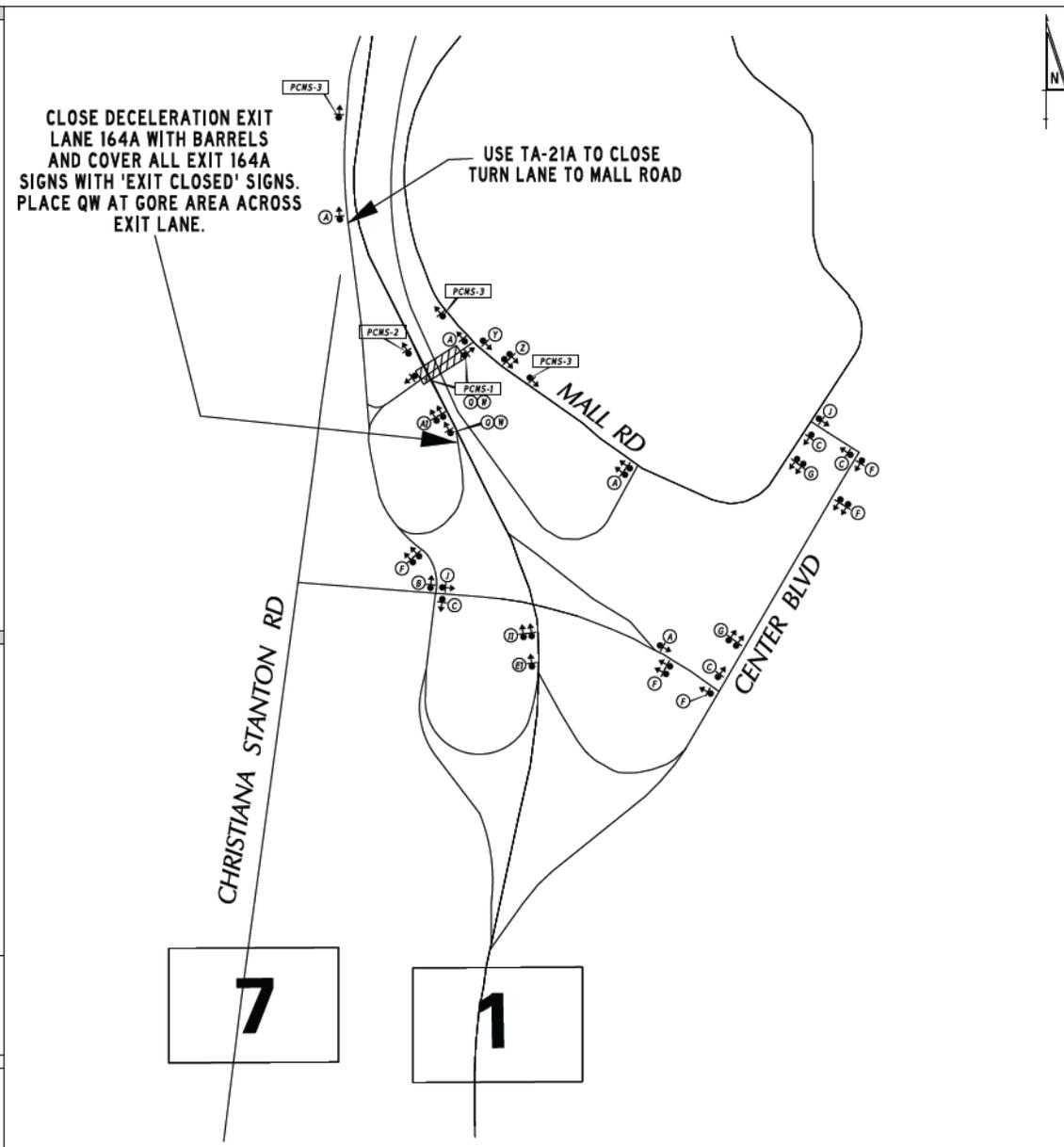
PREPARED BY  
DELDOT - TRANSPORTATION SOLUTIONS  
TRAFFIC SAFETY

05/06/2020  
DATE

SEAL

GA/VC REVIEWER  
*David P. Stappert*  
5/6/20  
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	B	C	D	E
DETOUR M4-9 DE	DETOUR M4-9	DETOUR M4-9	DETOUR M4-9	DETOUR M4-9
F	G	H	I	J
DETOUR M4-9	DETOUR M4-9	DETOUR M4-9	DETOUR M4-9	END DETOUR M4-9a
K	L	M		
DETOUR AHEAD W20-2	DETOUR 1000 FT W20-2	DETOUR 500 FT W20-2		
N	O	P		
ROAD CLOSED AHEAD W20-3	ROAD CLOSED 1000 FT W20-3	ROAD CLOSED 500 FT W20-3		
Q	R	S		
BRIDGE CLOSED R11-2	DETOUR M4-10(L)	DETOUR M4-10(R)		
T	U	V		
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	ROAD CLOSED THRU TRAFFIC R11-4		
W	X			
[BARRICADE SYMBOL]		[BARRICADE SYMBOL]		

- 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 "H" 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.

CONCURRENCE FOR IMPLEMENTATION

*David W. Wynn*  
5/6/2020  
DATE

ADDENDA / REVISIONS	NOT TO SCALE	SR 1 CORRIDOR PHASE ONE BRIDGE DECK SEALING, FY 21	CONTRACT T202007403	PERMIT NO. X	SECTION 75
			COUNTY NEW CASTLE	DESIGNED BY DBW	SHEET NO. 1
			CHECKED BY GAN	DETOUR PLAN - VEHICULAR CHRISTIANA MALL ROAD	

**PORTABLE CHANGEABLE MESSAGE SIGNS**

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

PCMS-1

ROAD A TO CLOSE 9PM-7AM

STARTING XX/XX/XX

**DURING DETOUR**  
(DISPLAY AFTER IMPLEMENTATION OF DETOUR)

PCMS-2

ROAD A BRIDGE CLOSED

FOLLOW DETOUR

**DURING DETOUR**  
(DISPLAY AFTER IMPLEMENTATION OF DETOUR)

PCMS-3

EXIT 164B CLOSED

FOLLOW DETOUR

**SPECIAL SIGNS**

\*SEE PAGE 3 OF DETOUR PLANS FOR INTERSTATE/EXPRESSWAY/FREEWAY SIGNS

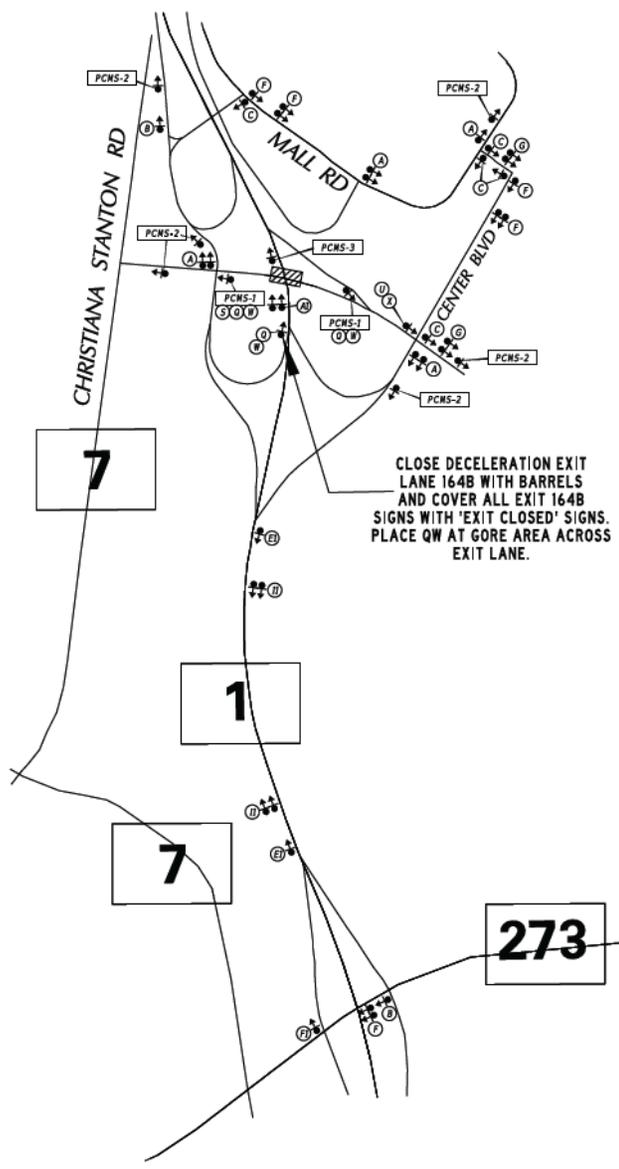
PREPARED BY  
DELDOT - TRANSPORTATION SOLUTIONS  
TRAFFIC SAFETY

*[Signature]* 05/06/2020 DATE

SEAL

QA/QC REVIEWER *[Signature]* 5/6/20 DATE

% 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	B	C	D	E
DETOUR N4-9-DE	DETOUR N4-9	DETOUR N4-9	DETOUR N4-9	DETOUR N4-9
F	G	H	I	J
DETOUR N4-9	DETOUR N4-9	DETOUR N4-9	DETOUR N4-9	END DETOUR N4-9a
K	L	M		
DETOUR AHEAD W20-2	DETOUR 1000 FT W20-2	DETOUR 500 FT W20-2		
N	O	P		
ROAD CLOSED AHEAD W20-3	ROAD CLOSED 1000 FT W20-3	ROAD CLOSED 500 FT W20-3		
Q	R	S		
BRIDGE CLOSED RJ1-2	DETOUR N4-10(L)	DETOUR N4-10(R)		
T	U	V		
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY RJ1-3a	BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY RJ1-3b	ROAD CLOSED TO THRU TRAFFIC RJ1-4		
W	X			
[Symbol]	[Symbol]			

- 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 "Q" 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.

**CONCURRENCE FOR IMPLEMENTATION**

*[Signature]* 5/6/2020 DATE

ADDENDA / REVISIONS

NOT TO SCALE

SR 1 CORRIDOR PHASE ONE  
BRIDGE DECK SEALING, FY 21

CONTRACT	PERMIT NO.	X
T202007403	DESIGNED BY:	DBW
COUNTY	CHECKED BY:	GAM
NEW CASTLE		

TRAFFIC SAFETY

SECTION	TS
DETOUR PLAN - VEHICULAR	
SR 7 AT CHRISTIANA MALL	
SHEET NO.	2

**PORTABLE CHANGEABLE MESSAGE SIGNS**

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

PCMS-1

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

**DURING DETOUR**  
(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-3

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

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

PCMS-1

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

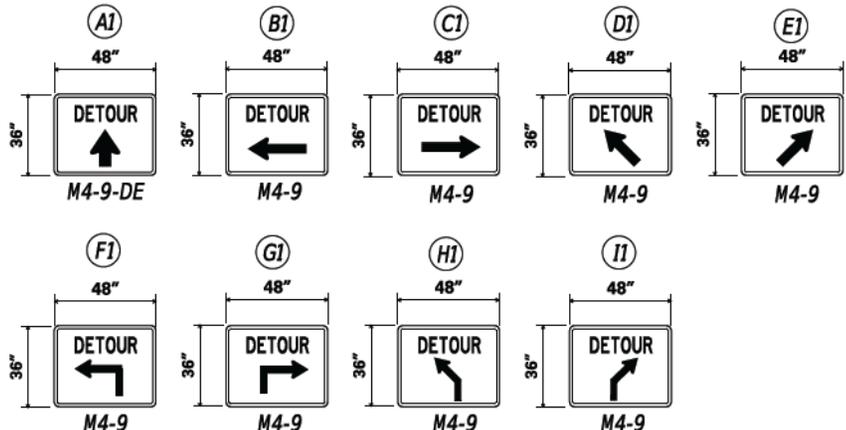
XXXXXXXX  
XXXXXXXX  
XXXXXXXX

**DURING DETOUR**  
(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-3

XXXXXXXX  
XXXXXXXX  
XXXXXXXX

XXXXXXXX  
XXXXXXXX  
XXXXXXXX



**LEGEND**

A: DETOUR M4-9-DE (up arrow)

B: DETOUR M4-9 (left arrow)

C: DETOUR M4-9 (right arrow)

D: DETOUR M4-9 (up-left arrow)

E: DETOUR M4-9 (up-right arrow)

F: DETOUR M4-9 (left arrow)

G: DETOUR M4-9 (right arrow)

H: DETOUR M4-9 (up-left arrow)

I: DETOUR M4-9 (up-right arrow)

J: END DETOUR M4-9a

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 RI-2

R: DETOUR M4-10(L)

S: DETOUR M4-10(R)

T: ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY RI-3a

U: BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY RI-3b

V: ROAD CLOSED TO THRU TRAFFIC RI-4

W: BARRICADE

X: BARRICADE

**\*INTERSTATE/FREEWAY/EXPRESSWAY SIGN DIMENSIONS**

**\*COLOR (TYPICAL) : M4-9 BLACK ON FLUORESCENT ORANGE**

**M4-9-DE BLACK ON FLUORESCENT ORANGE**

- GENERAL NOTES**
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  - SIGNS "M" THROUGH "Q" AND "T" AND "U", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
  - "M" 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.

**PREPARED BY**  
DELDOT - TRANSPORTATION SOLUTIONS  
TRAFFIC SAFETY

*[Signature]* DATE: 05/06/2020

SEAL: [Professional Engineer Seal]

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET

QA/QC REVIEWER: *[Signature]* DATE: 5/6/20

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.

ADDITIONAL REVISIONS		NOT TO SCALE	SR 1 CORRIDOR PHASE ONE BRIDGE DECK SEALING, FY 21	CONTRACT: T202007403 COUNTY: NEW CASTLE	PERMIT NO.: X DESIGNED BY: DWH CHECKED BY: GAN	TRAFFIC SAFETY: <i>[Signature]</i> DATE: 5/6/2020	SECTION: TS SHEET NO.: 3
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**DETOUR PLAN -  
VEHICULAR  
MALL ROAD & ROAD A**