



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

January 6, 2022

Addendum No. 1

RE: Contract # C204568

WBS # 15BPR.46

STATE FUNDED

Dare County

BRIDGE #270012 OVER ROANOKE SOUND ON US-64

January 18, 2022 Letting

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revisions have been made to the Structure plans.

Sheet No.	Revision
S-12	Note 4 was revised. References to dimensions A,B,C,D, and E were removed.
S-13 thru S-18	All references to Class II deck repair have been removed from the Deck Surface repair sheets.

Please void the above listed Sheets in your plans and staple the revised Sheets thereto.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 1-6-2022". Letting date revised to January 18, 2022.
Table of Contents	Project Special Provision entitled NOTE TO CONTRACTOR was added.
G-1	Project Special Provision entitled CONTRACT TIME AND LIQUIDATED DAMAGES was revised.
G-4	Project Special Provision entitled SCHEDULE OF ESTIMATED COMPLETION PROGRESS was revised.
G-25 (New)	Project Special Provision entitled NOTE TO CONTRACTOR was added.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610


Website: www.ncdot.gov

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto.

Staple New Page G-25 after G-24 in your proposal.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

F81B6038A47A442...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/cms
Attachments

cc: Mr. Lamar Sylvester, PE
Mr. Sterling Baker, PE
Mr. Boyd Tharrington, PE
Mr. Jon Weathersbee, PE
Mr. Ken Kennedy, PE
Project File (2)

Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Ms. Lori Strickland
Mr. Mike Gwyn
Ms. Penny Higgins
Mr. Kyle Kempf

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 1-6-2022

DATE AND TIME OF BID OPENING: **JANUARY 18, 2022 AT 2:00 PM**

CONTRACT ID C204568
WBS 15BPR.46

FEDERAL-AID NO. STATE FUNDED
COUNTY DARE
T.I.P. NO.
MILES 1.050
ROUTE NO. US 64
LOCATION BRIDGE #270012 OVER ROANOKE SOUND ON US-64.

TYPE OF WORK BRIDGE PRESERVATION.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

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PROJECT SPECIAL PROVISIONS**GENERAL****CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 12-18-07)

108

SP1 G10 A

The date of availability for this contract is **February 28, 2022**.

The completion date for this contract is **September 15, 2025**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Thousand Dollars (\$ 2,000.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **US 64 (Virginia Dare Trail)** during the following time restrictions:

DAY AND TIME RESTRICTIONS

May 15th thru September 15th (of any year)
Monday thru Thursday, 7:00 A.M. to 7:00 P.M. and
from Friday at 7:00 A.M. to Sunday at 9:00 P.M.

In addition, the Contractor shall not close or narrow a lane of traffic on **US 64 (Virginia Dare Trail)**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. Except as permitted by Intermediate Contract Time Number 2, for **Spring Break**, between the hours of **6:00 A.M.** two (2) Thursdays before Easter and **9:00 P.M.** the second Monday after Easter.
3. For **Memorial Day**, between the hours of **6:00 A.M.** the Friday before Memorial Day and **9:00 P.M.** the Tuesday after Memorial Day.

Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to " Pavement	Gal/SY	0.245

For the asphalt items noted in the chart as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form* with their bid submission if they elect to use the fuel usage factor. The *Fuel Usage Factor Adjustment Form* is found at the following link:

<https://connect.ncdot.gov/letting/LetCentral/Fuel%20Usage%20Factor%20Adjustment%20Form.pdf>

Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each asphalt line item on the *Fuel Usage Factor Adjustment Form*. The selected fuel factor for each asphalt item will remain in effect for the duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items noted above. The contractor will not be permitted to change the Fuel Usage Factor after the bids are submitted.

SCHEDULE OF ESTIMATED COMPLETION PROGRESS:

(7-15-08) (Rev. 5-13-19)

108-2

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability of Funds Termination of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

	<u>Fiscal Year</u>	<u>Progress (% of Dollar Value)</u>
2022	(7/01/21 - 6/30/22)	13% of Total Amount Bid
2023	(7/01/22 - 6/30/23)	37% of Total Amount Bid
2024	(7/01/23 - 6/30/24)	30% of Total Amount Bid
2025	(7/01/24 - 6/30/25)	18% of Total Amount Bid
2026	(7/01/25 - 6/30/26)	2% of Total Amount Bid

The Contractor shall also furnish his own progress schedule in accordance with Article 108-2 of the *2018 Standard Specifications*. Any acceleration of the progress as shown by the Contractor's progress schedule over the progress as shown above shall be subject to the approval of the Engineer.

MINORITY BUSINESS ENTERPRISE AND WOMEN BUSINESS ENTERPRISE:

(10-16-07)(Rev. 8-17-21)

102-15(J)

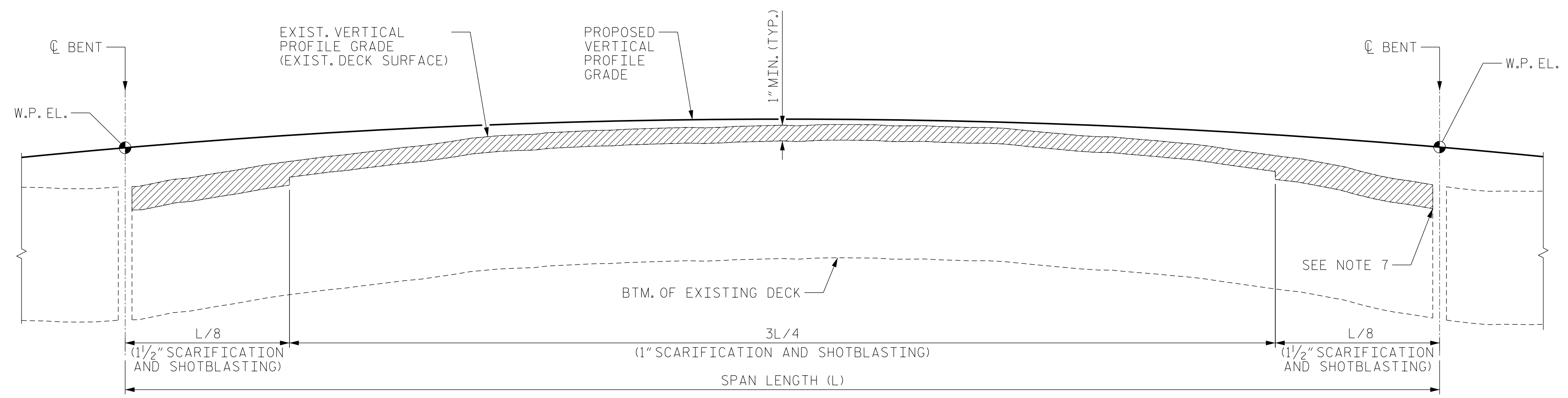
SP1 G66

Description

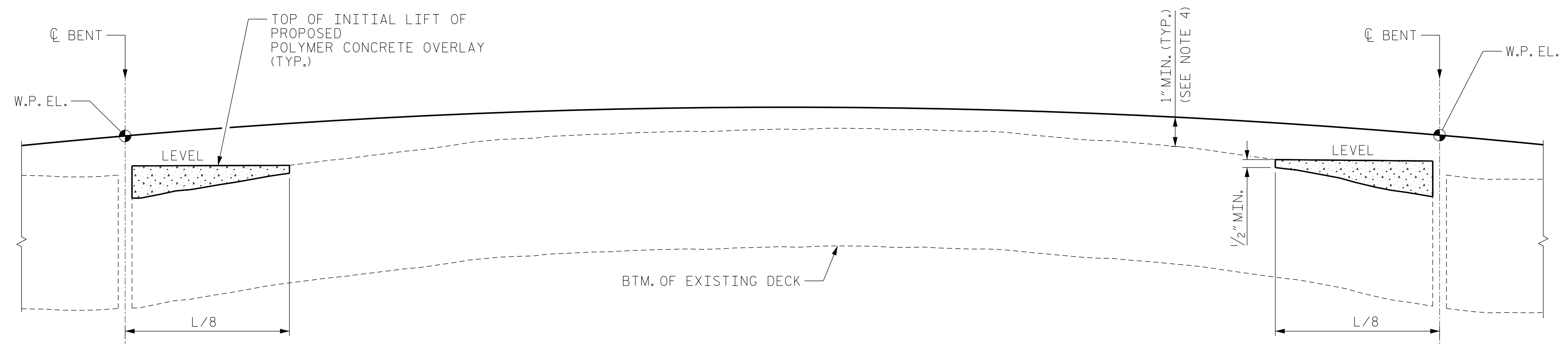
The purpose of this Special Provision is to carry out the North Carolina Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with State funds.

NOTE TO CONTRACTOR:

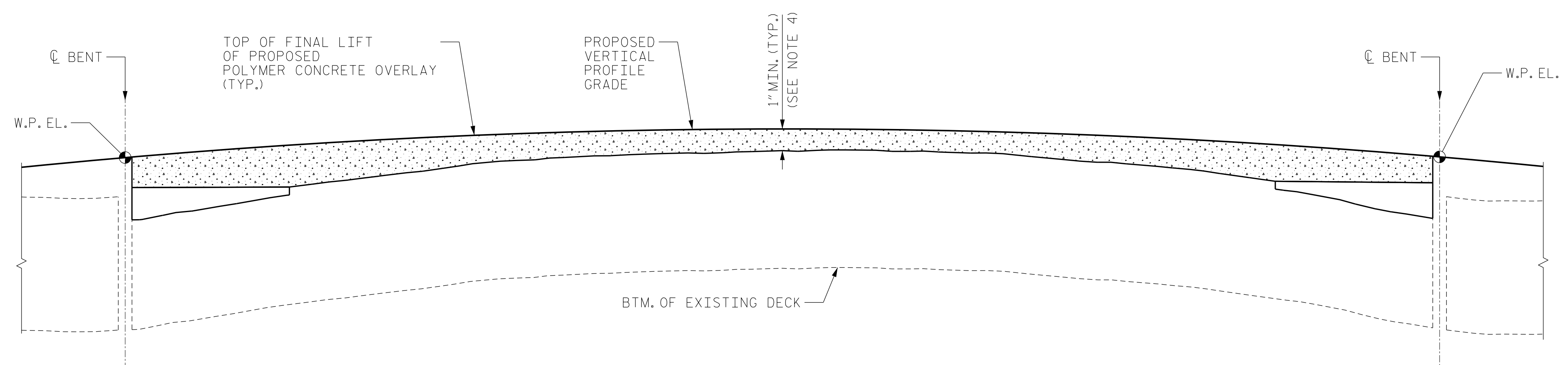
No closure of any parking spaces shall be allowed on the west end of the Washington Baum Bridge from the week before Memorial Day to a week after Labor Day. From the week after Labor Day to the week before Memorial Day, the contractor may close two adjacent bays under the bridge for repairs only. The storage of materials or equipment shall not be allowed on the west end of the Washington Baum Bridge. Storage of material and lay down yard will be allowed within NCDOT right of way on the northeast corner of the bridge. The Contractor must maintain access for property owners at all times.



SCARIFICATION PRIOR TO PC OVERLAY
 (ELEVATION ALONG C - NOT TO SCALE)



INITIAL LIFT OF PC OVERLAY
 (ELEVATION ALONG C - NOT TO SCALE)



FINAL LIFT OF PC OVERLAY
 (ELEVATION ALONG C - NOT TO SCALE)

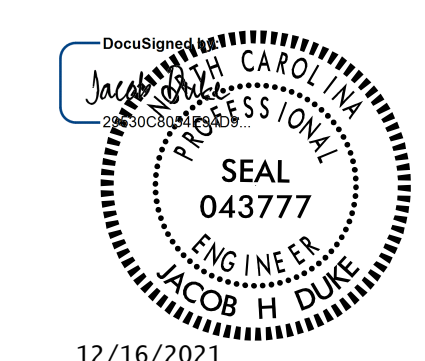
TYPICAL POLYMER CONCRETE (PC) OVERLAY FOR RIDEABILITY CORRECTION

(SPAN 17 SHOWN - SIMILAR FOR OTHER SPANS)
 (GIRDERS AND REINFORCING NOT SHOWN FOR CLARITY)

NOTES:

- EXISTING VERTICAL PROFILE GRADE WAS DETERMINED BASED ON DATA FROM FINAL SURVEY.
- FOR WORK POINT (W.P.) STATION AND ELEVATION DATA OF PROPOSED VERTICAL PROFILE GRADE, SEE "GENERAL DRAWINGS" SHEETS AND CONSTRUCTION ELEVATIONS.
- FOR JOINT DETAILS, SEE "JOINT DETAILS" SHEETS.
- PC OVERLAY THICKNESS VARIES THROUGHOUT THE ENTIRE LENGTH OF THE BRIDGE, THE FINAL LIFT OF PC OVERLAY SHALL HAVE A MINIMUM THICKNESS OF 1". FINAL CONSTRUCTION ELEVATIONS WILL BE MADE AVAILABLE PRIOR TO CONTRACT AVAILABILITY.
- BRIDGE DECK SCARIFICATION LIMITS SHOWN IN THIS SHEET ARE REQUIRED AND FOR THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL). MULTIPLE LIFT METHOD DEPICTED IS INTENDED AS A CONCEPT, BUT IS NOT REQUIRED OR EXCLUSIVE OF OTHER METHODS. REGARDLESS OF THE METHOD, IT IS REQUIRED THAT A "RIDEABILITY CORRECTION PLAN" IS SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO MOBILIZING WORK ZONE TRAFFIC CONTROL ON THE BRIDGE DECK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE FINAL DECK SURFACE MEETS THE ELEVATIONS PROVIDED.
- IF SOUND CONCRETE IS NOT ENCOUNTERED AT THE DEPTHS SPECIFIED IN THESE PLANS, REPAIR THE HEADER BY UTILIZING CLASS II SURFACE PREPARATION. LEAVE EXISTING R/F STEEL IN PLACE AND PATCH WITH PC MATERIALS, AS DIRECTED BY THE ENGINEER.
- CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2 1/2" PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION. BASED ON VISUAL INSPECTION AVERAGE COVER IS EXPECTED TO BE FROM 1 1/2" TO 2".
- FOR BRIDGE DECK RIDEABILITY, SEE SPECIAL PROVISIONS.
- FOR OVERLAY SURFACE PREPARATION FOR POLYMER CONCRETE, SEE SPECIAL PROVISIONS.
- FOR POLYMER CONCRETE BRIDGE DECK OVERLAY, SEE SPECIAL PROVISIONS.

PROJECT NO. 15BPR.46
 DARE COUNTY
 BRIDGE NO. 270012



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO.
DECK SURFACE REPAIR DETAILS						S-12
REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	137
1			3			
2			4			

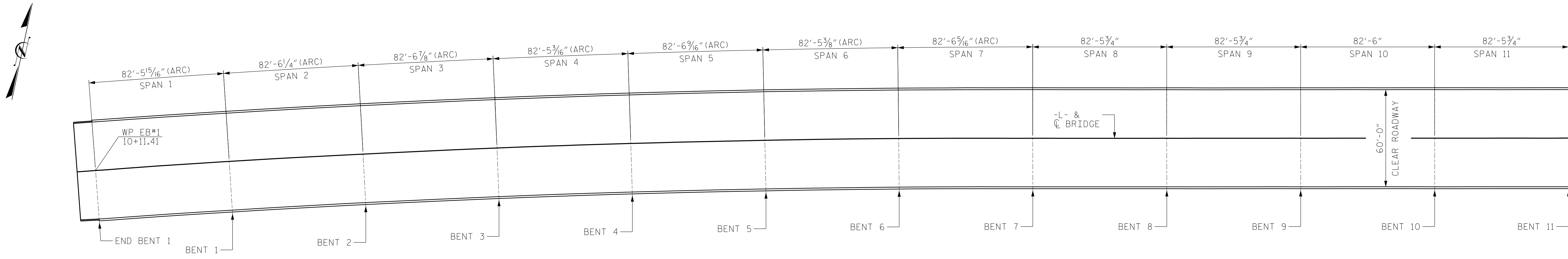
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 CHECKED BY : JACOB H. DUKE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 1		SPAN 2		SPAN 3		SPAN 4		SPAN 5		SPAN 6		SPAN 7		SPAN 8		SPAN 9		SPAN 10		SPAN 11	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY	
PC MATERIALS	49.3 CY		48.3 CY		44.9 CY		43.9 CY		44.9 CY		45.2 CY		45.5 CY		49.4 CY		46.0 CY		43.4 CY		47.0 CY	
PLACING & FINISHING PC OVERLAY	550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY		550 SY	
GROOVING BRIDGE FLOORS	4684 SF		4685 SF		4687 SF		4680 SF		4686 SF		4681 SF		4685 SF		4682 SF		4684 SF		4682 SF		4682 SF	



NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2¹/₂" PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

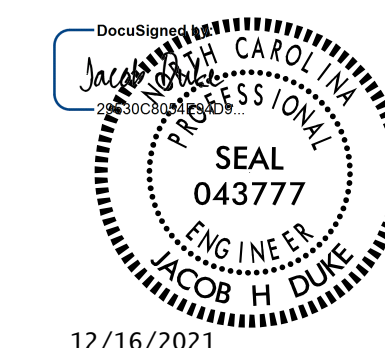
CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 1¹/₂" TO 2" BASED ON VISUAL INSPECTION.

BRIDGE DECK GROOVING QUANTITY BASED ON LIMITS REQUIRED IN SECTION 420-14(B) OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SCARIFICATION LIMITS ARE THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL).

FOR BRIDGE DECK RIDEABILITY AND GROOVING, SEE SPECIAL PROVISIONS. COORDINATE THIS SHEET WITH THE SHEETS FOR JOINT DETAILS.

PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



KCA
KISINGER CAMPO & ASSOCIATES
 301 FAYETTEVILLE ST., SUITE 1500
 RALEIGH, NC 27601 (919) 882-7839
 NC FIRM LICENSE: C-1506

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DECK SURFACE REPAIR SPANS 1 - 11					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-13
					TOTAL SHEETS 137

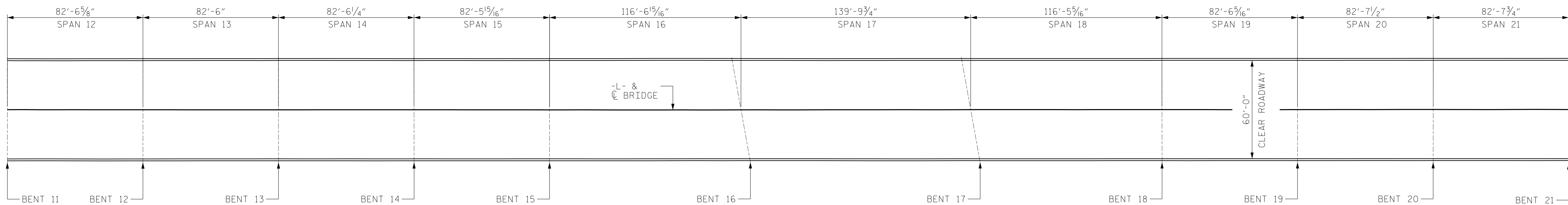
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 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 12		SPAN 13		SPAN 14		SPAN 15		SPAN 16		SPAN 17		SPAN 18		SPAN 19		SPAN 20		SPAN 21	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		777 SY		932 SY		776 SY		550 SY		551 SY		549 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		777 SY		932 SY		776 SY		550 SY		551 SY		549 SY	
PC MATERIALS	43.6 CY		42.6 CY		40.5 CY		52.7 CY		90.4 CY		131.1 CY		108.1 CY		64.2 CY		66.9 CY		69.2 CY	
PLACING & FINISHING PC OVERLAY	550 SY		550 SY		550 SY		550 SY		777 SY		932 SY		776 SY		550 SY		551 SY		549 SY	
GROOVING BRIDGE FLOORS	4686 SF		4683 SF		4685 SF		4683 SF		6626 SF		7950 SF		6618 SF		4685 SF		4690 SF		4678 SF	



NOTES:

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CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2 1/2" PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

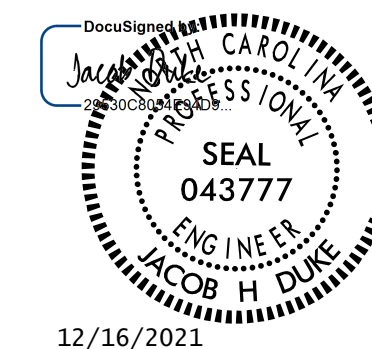
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PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



12/16/2021



301 FAYETTEVILLE ST., SUITE 1500
 RALEIGH, NC 27601 (919) 882-7839
 NC FIRM LICENSE: C-1506

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK SURFACE REPAIR
 SPANS 12-21

DRAWN BY : JACOB H. DUKE DATE : 9/30/2020
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

12/16/2021
 15BPR.46.SMU.DSR02.270012.dgn
 jduke

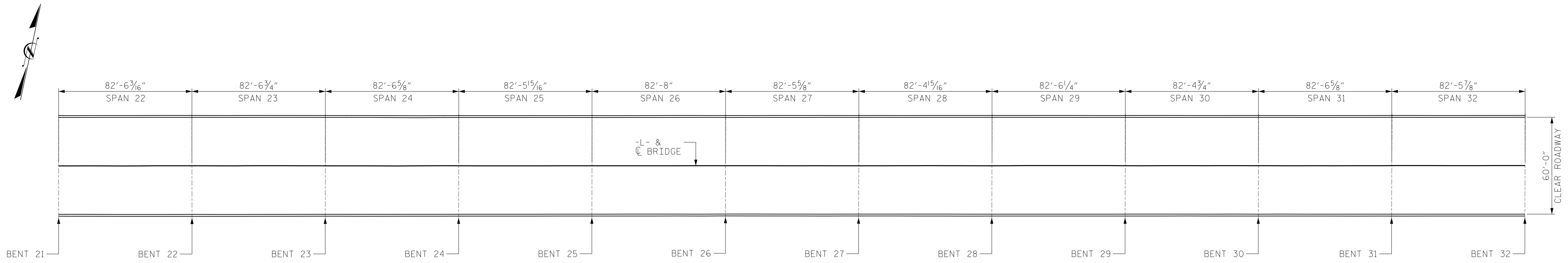
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 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-14
1			3			TOTAL SHEETS
2			4			137

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 22		SPAN 23		SPAN 24		SPAN 25		SPAN 26		SPAN 27		SPAN 28		SPAN 29		SPAN 30		SPAN 31		SPAN 32	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		551 SY		550 SY		549 SY		550 SY		549 SY		550 SY		550 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	550 SY		550 SY		550 SY		550 SY		551 SY		550 SY		549 SY		550 SY		549 SY		550 SY		550 SY	
PC MATERIALS	74.5 CY		73.8 CY		74.1 CY		79.4 CY		73.1 CY		59.9 CY		54.4 CY		46.2 CY		40.4 CY		40.3 CY		39.9 CY	
PLACING & FINISHING PC OVERLAY	550 SY		550 SY		550 SY		550 SY		551 SY		550 SY		549 SY		550 SY		549 SY		550 SY		550 SY	
GROOVING BRIDGE FLOORS	4685 SF		4687 SF		4686 SF		4684 SF		4693 SF		4682 SF		4678 SF		4685 SF		4677 SF		4686 SF		4683 SF	



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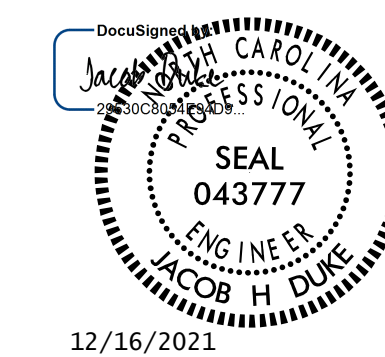
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BRIDGE DECK GROOVING QUANTITY BASED ON LIMITS REQUIRED IN SECTION 420-14(B) OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SCARIFICATION LIMITS ARE THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL).

FOR BRIDGE DECK RIDEABILITY AND GROOVING, SEE SPECIAL PROVISIONS. COORDINATE THIS SHEET WITH THE SHEETS FOR JOINT DETAILS.

PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



12/16/2021



KCS
 KISINGER CAMPO
 & ASSOCIATES
 301 FAYETTEVILLE ST., SUITE 1500
 RALEIGH, NC 27601 (919) 882-7839
 NC FIRM LICENSE: C-1506

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK SURFACE REPAIR
 SPANS 22-32

DRAWN BY : JACOB H. DUKE DATE : 9/30/2020
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

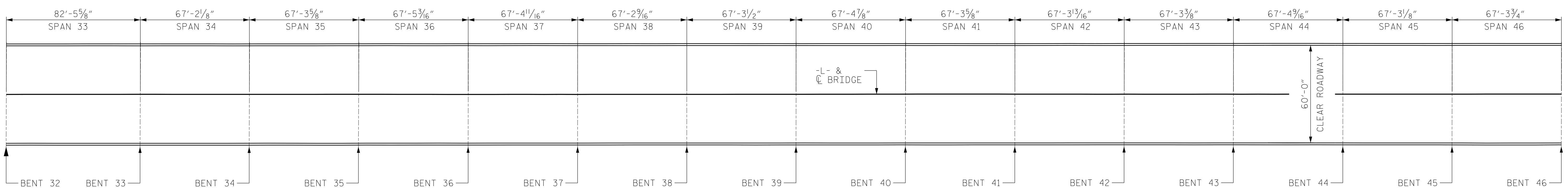
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-15
2			4			TOTAL SHEETS 137

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 33		SPAN 34		SPAN 35		SPAN 36		SPAN 37		SPAN 38		SPAN 39		SPAN 40		SPAN 41		SPAN 42		SPAN 43		SPAN 44		SPAN 45	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	550 SY		448 SY		449 SY		450 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		448 SY		449 SY		448 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	550 SY		448 SY		449 SY		450 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		448 SY		449 SY		448 SY	
PC MATERIALS	40.9 CY		35.1 CY		34.1 CY		37.5 CY		34.8 CY		35.0 CY		32.2 CY		30.4 CY		28.7 CY		27.0 CY		31.8 CY		29.9 CY		31.9 CY	
PLACING & FINISHING PC OVERLAY	550 SY		448 SY		449 SY		450 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		448 SY		449 SY		448 SY	
GROOVING BRIDGE FLOORS	4682 SF		3810 SF		3817 SF		3825 SF		3822 SF		3812 SF		3812 SF		3823 SF		3818 SF		3819 SF		3815 SF		3822 SF		3815 SF	

	SPAN 46	
	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	449 SY	
CLASS II SURFACE PREPARATION	- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY	
SHOTBLASTING BRIDGE DECK	449 SY	
PC MATERIALS	33.5 CY	
PLACING & FINISHING PC OVERLAY	449 SY	
GROOVING BRIDGE FLOORS	3818 SF	



NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2 1/2" PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

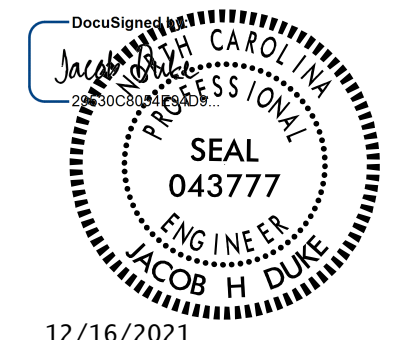
CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 1 1/2" TO 2" BASED ON VISUAL INSPECTION.

BRIDGE DECK GROOVING QUANTITY BASED ON LIMITS REQUIRED IN SECTION 420-14(B) OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SCARIFICATION LIMITS ARE THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL).

FOR BRIDGE DECK RIDEABILITY AND GROOVING, SEE SPECIAL PROVISIONS. COORDINATE THIS SHEET WITH THE SHEETS FOR JOINT DETAILS.

PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK SURFACE REPAIR
SPANS 33-46

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-16
2			4			TOTAL SHEETS 137

DRAWN BY : JACOB H. DUKE DATE : 9/30/2020
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

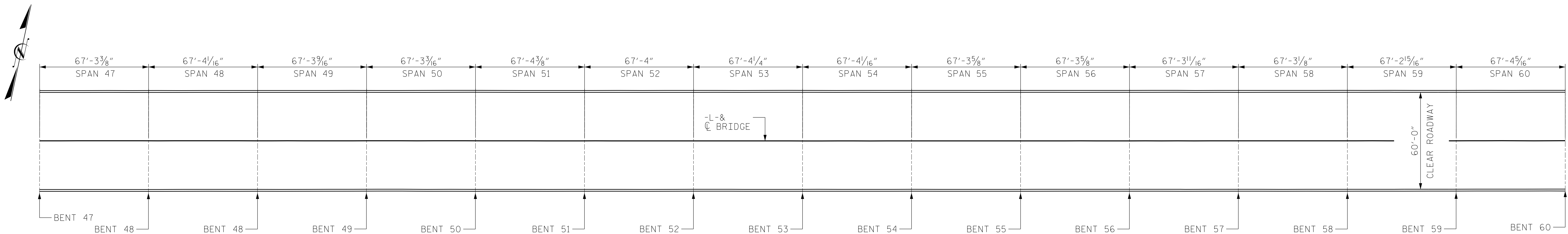
DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 47		SPAN 48		SPAN 49		SPAN 50		SPAN 51		SPAN 52		SPAN 53		SPAN 54		SPAN 55		SPAN 56		SPAN 57		SPAN 58		SPAN 59	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	449 SY		449 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		448 SY		448 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	449 SY		449 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		448 SY		448 SY	
PC MATERIALS	32.4 CY		32.4 CY		31.6 CY		33.5 CY		35.7 CY		34.6 CY		31.8 CY		33.2 CY		34.0 CY		32.4 CY		32.3 CY		32.9 CY		33.8 CY	
PLACING & FINISHING PC OVERLAY	449 SY		449 SY		449 SY		448 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		448 SY		448 SY	
GROOVING BRIDGE FLOORS	3817 SF		3819 SF		3817 SF		3815 SF		3821 SF		3819 SF		3820 SF		3819 SF		3817 SF		3818 SF		3818 SF		3815 SF		3814 SF	

	SPAN 60	
	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	449 SY	
CLASS II SURFACE PREPARATION	- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY	
SHOTBLASTING BRIDGE DECK	449 SY	
PC MATERIALS	36.5 CY	
PLACING & FINISHING PC OVERLAY	449 SY	
GROOVING BRIDGE FLOORS	3821 SF	



NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS 2 1/2" PER THE EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

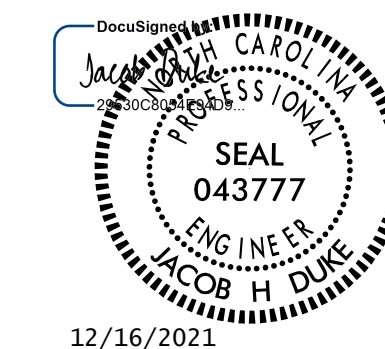
CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 1 1/2" TO 2" BASED ON VISUAL INSPECTION.

BRIDGE DECK GROOVING QUANTITY BASED ON LIMITS REQUIRED IN SECTION 420-14(B) OF THE STANDARD SPECIFICATIONS.

BRIDGE DECK SCARIFICATION LIMITS ARE THE FULL CLEAR ROADWAY WIDTH (INSIDE FACE OF EACH BRIDGE RAIL).

FOR BRIDGE DECK RIDEABILITY AND GROOVING, SEE SPECIAL PROVISIONS. COORDINATE THIS SHEET WITH THE SHEETS FOR JOINT DETAILS.

PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DECK SURFACE REPAIR
 SPANS 47-60

DRAWN BY : JACOB H. DUKE DATE : 9/30/2020
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

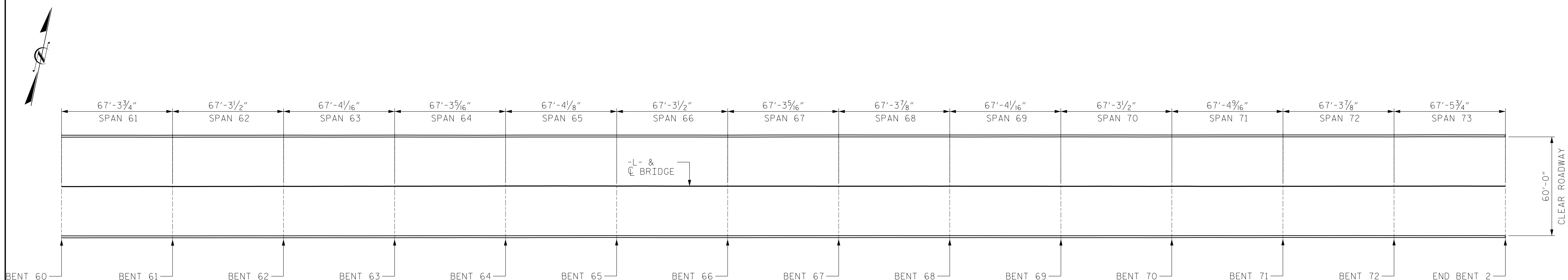
DOCUMENT NOT CONSIDERED
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-17
2			4			TOTAL SHEETS 137

AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN 61		SPAN 62		SPAN 63		SPAN 64		SPAN 65		SPAN 66		SPAN 67		SPAN 68		SPAN 69		SPAN 70		SPAN 71		SPAN 72		SPAN 73	
	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		450 SY	
CLASS II SURFACE PREPARATION	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
CONCRETE DECK REPAIR FOR PC OVERLAY	- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY		- SY	
SHOTBLASTING BRIDGE DECK	449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		450 SY	
PC MATERIALS	35.1 CY		36.4 CY		37.7 CY		37.2 CY		37.7 CY		42.2 CY		41.3 CY		38.6 CY		40.5 CY		43.1 CY		40.6 CY		39.9 CY		48.0 CY	
PLACING & FINISHING PC OVERLAY	449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		449 SY		450 SY	
GROOVING BRIDGE FLOORS	3818 SF		3817 SF		3819 SF		3816 SF		3819 SF		3817 SF		3816 SF		3818 SF		3819 SF		3817 SF		3822 SF		3818 SF		3827 SF	



NOTES:

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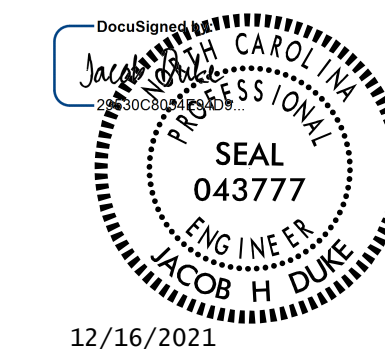
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PROJECT NO. 15BPR.46
DARE COUNTY
 BRIDGE NO. 270012



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
DECK SURFACE REPAIR
 SPANS 61-73

DRAWN BY : JACOB H. DUKE DATE : 9/30/2020
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/1/2020
 DESIGN ENGINEER OF RECORD: JACOB H. DUKE DATE : 10/1/2020

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-18
2			4			TOTAL SHEETS 137