

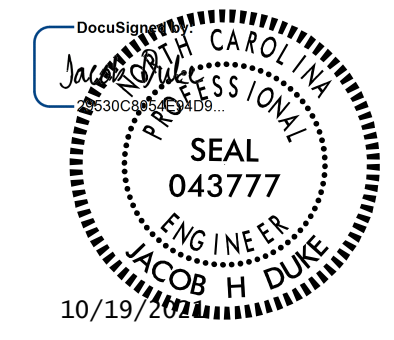
TYPICAL POLYMER CONCRETE (PC) OVERLAY FOR RIDEABILITY CORRECTION

(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" FOR ELEVATIONS "A" AND "B", ALONG WITH DIMENSIONS "C", "D", AND "E", SEE "DECK SURFACE REPAIR" SHEETS; THESE WERE DETERMINED BASED ON DATA FROM FINAL SURVEY.
- 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					
DECK SURFACE REPAIR DETAILS					
SHEET NO. S-12					
TOTAL SHEETS 137					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DRAWN BY : DIEGO A. AGUIRRE DATE : 9/30/2020
 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