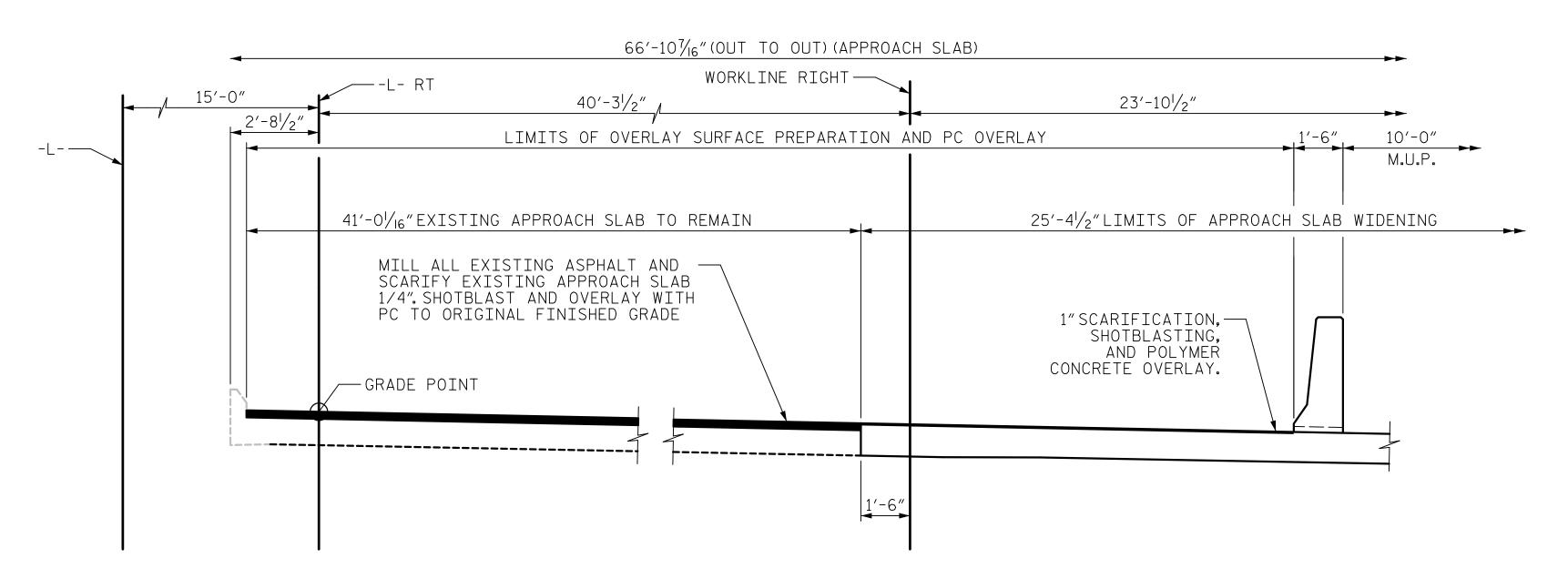


## TYPICAL SECTION OF BRIDGE SUPERSTRUCTURE



# TYPICAL SECTION OF APPROACH SLAB

#### NOTES (SUBSTRUCTURE):

THE CONTRACTOR SHALL CLEAN AND EPOXY-COAT THE TOPS OF THE EXISTING END BENT CAPS AT END BENTS 1 AND 2, AND THE TOP OF THE CAP AT BENT 2. THE ENTIRE HORIZONTAL SURFACE OF THE CAP SHALL BE COATED EXCEPT UNDER ELASTOMERIC BEARING PADS. THIS OPERATION SHALL BE COMPLETED AFTER BEARING REPLACEMENTS ARE MADE. SEE SPECIAL PROVISIONS.

ESTIMATED QTY "EPOXY COATING AND DEBRIS REMOVAL" = 410 SF

DRAWN BY: M. CATER

CHECKED BY: G. COLS

DESIGNED BY: G. COLS

DESIGN CHECKED BY: J. SLOAN

DATE: 10/2022

DATE: 10/2022

DATE: 11/2022

## NOTES (CONT'D.)

AT THE TIME OF PREPARATION OF THESE PLANS, IT WAS NOT ANTICIPATED THAT THE FOLLOWING ITEM(S) LISTED WOULD BE REQUIRED. HOWEVER, IT MAY BE DETERMINED IN THE FIELD THAT THE FOLLOWING ITEM(S) LISTED, OR OTHER WORK WILL BE NECESSARY TO PROPERLY COMPLETE THE INTENDED BRIDGE PRESERVATION/REHABILITATION WORK. THE CONTRACTOR SHALL BE PREPARED TO PERFORM SUCH WORK IN A TIMELY MANNER, AS DETERMINED IN THE FIELD. SUCH WORK SHALL BE CONSIDERED EXTRA WORK AND SHALL BE ADDRESSED AS PER ARTICLE 104-7 OF THE STANDARD SPECIFICATIONS. PROJECT SPECIAL PROVISIONS THAT OUTLINE REUQIREMENTS FOR THESE POTENTIAL ADDITIONAL WORK ITEMS HAVE BEEN PROVIDED IN THE PROJECT DOCUMENTS, BUT NOT QUANTITIES HAVE BEEN LISTED. ACTUAL PAY ITEMS, QUANTITIES, AND COSTS WILL BE ESTABLISHED, AS REQUIRED, IF EXTRA WORK IS ENCOUNTERED. UNANTICIPATED ITEMS:

ITEM DESCRIPTION UNIT CONCRETE REPAIR (NBL ONLY) CU.FT.

### NOTES (DECK, OVERLAY, AND GENERAL PRESERVATION):

EXISTING BRIDGE CONCRETE DECK SHALL BE REPAIRED PRIOR TO THE SURFACE PREPARATION AND APPLICATION OF THE PC OVERLAY AT LOCATIONS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER. IF NECESSARY, SUCH LOCATIONS MAY BE REPAIRED WITH PC.

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.

QUANTITIES IN TABLES REPRESENT ESTIMATED VALUES OF CLASS II SURFACE PREPARATION AND CONCRETE DECK REPAIR FOR PC OVERLAY AFTER REMOVAL OF UNSOUND CONCRETE (MIN.2"CLEAR TO SAW CUT). SEE SPECIAL PROVISIONS.

LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG THE EDGE OF TRAVEL LANES.

SEE TRAFFIC MANAGEMENT PLANS FOR LANE WIDTHS, SEQUENCING AND OTHER TRAFFIC CONTROL MEASURES FOR STAGING OF POLYMER CONCRETE OVERLAY AND SURFACE PREPARATION.

FOR LIMITS OF SHOTBLASTING AND CLASS II REPAIR, SURFACE PREPARATION, AND PC OVERLAY, SEE SURFACE PREPARATION SHEETS.

MILLING OF ASPHALT ON APPROACH SLAB IS CONSIDERED INCIDENTAL TO SCARIFICATION OF BRIDGE DECK.NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

PRESERVATION PLANS ARE PRESENTED TO SHOW THE CONFIGURATION OF THE BRIDGE ASSUMED AT THE TIME OF CONSTRUCTION, IN ACCORDANCE WITH THE REQUIRED CONSTRUCTION SEQUENCE.

FOR PLUGGING OF EXISTING DECK DRAINS, SEE SPECIAL PROVISIONS.

FOR STANDARD REPAIR DETAILS AND NOTES, SEE SHEET S1-61.

A 1"GROOVE SHALL BE SAWED IN THE TOP OF EXISTING DECK SLAB AND APPROACH SLAB BEFORE REMOVING EXISTING CONCRETE. IN THE EVENT THE 1"SAW CUT RESULTS IN DAMAGE TO THE REINFORCING STEEL, THE DEPTH OF THE SAW CUT SHALL BE REDUCED TO AVOID SUCH DAMANGE AS DIRECTED BY THE ENGINEER. CARE SHALL BE TAKEN TO OBTAIN A STRAIGHT LINE AT THE TOP AND BOTTOM OF OLD AND NEW CONCRETE. RETAIN EXISTING STEEL AS SHOWN.

FOR PC MATERIALS AND PLACING AND FINISHING OF POLYMER CONCRETE OVERLAY, SEE "POLYMER CONCRETE BRIDGE DECK OVERLAY" SPECIAL PROVISION.

FOR SHOTBLASTING BRIDGE DECK, SCARIFYING BRIDGE DECK, AND CLASS II SURFACE PREPARATION, SEE "OVERLAY SURFACE PREPARATION FOR POLYMER CONCRETE" SPECIAL PROVISION.

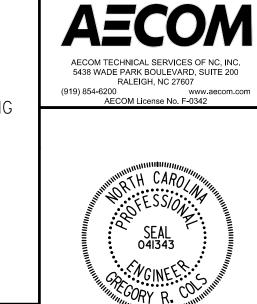
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. <u>U-5748</u>

WAKE COUNTY

STATION: 24+88.00 -L-

SHEET 1 OF 2



2/10/2023

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

PRESERVATION

TYPICAL SECTION & DETAILS

(NORTHBOUND)

REVISIONS
SHEET NO. S1-53
S1-53