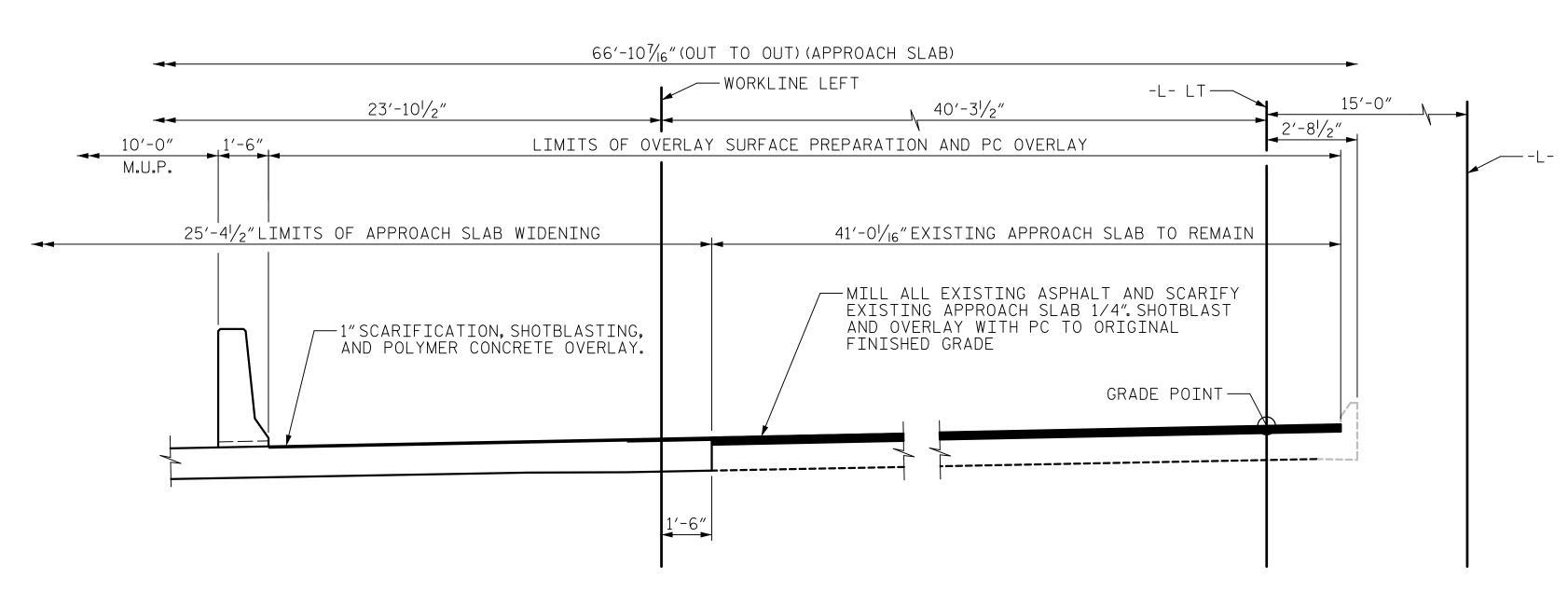


## TYPICAL SECTION OF BRIDGE SUPERSTRUCTURE



# TYPICAL SECTION OF APPROACH SLAB

#### NOTES (GIRDERS):

AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PERFORM A CONCRETE REPAIR ON THE EXISTING BENT DIAPHRAGM BETWEEN EXISTING GIRDERS A5 AND B5 AT BENT 1. SAW-CUTTING OR DEMOITION OF THE PRECAST GIRDER SHALL NOT BE ALLOWED. NO SUPPLEMENTAL REINFORCING SHALL BE INSTALLED.

ESTIMATED QTY "CONCRETE REPAIRS" = 1 CF

DRAWN BY: M. CATER DATE: 01/2021
CHECKED BY: G. COLS DATE: 10/2022
DESIGNED BY: G. COLS DATE: 10/2022
DESIGN CHECKED BY: J. SLOAN DATE: 10/2022

### 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

#### 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 ENGINNER 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 APPRAOCH 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.

FOR FLOWABLE FILL (PRESERVATION). SEE SPECIAL PROVISIONS.

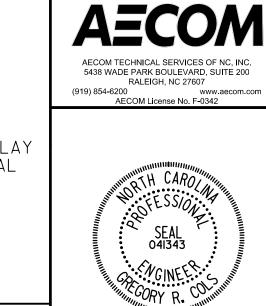
A 1"GROOVE SHALL BE SAWED IN THE TOP OF EXISTING DECK SLAB AND APPROACH SLAB BEFORE REMOVING EXISTING CONCRETE. IN THE EVENT THE 1"SAW CUT RESULTS IN DAMAGE TO THE REINFORCING STEEL, THE DEPTH OF THE SAW CUT SHALL BE REDUCED TO AVOID SUCH DAMANGE AS DIRECTED BY THE ENGINEER. CARE SHALL BE TAKEN TO OBTAIN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

PROJECT NO. \_\_\_\_\_U-5748 \_\_\_\_\_WAKE \_\_\_\_\_ COUNTY STATION: \_\_\_24+88.00 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

PRESERVATION

TYPICAL SECTION & DETAILS

(SOUTHBOUND)

REVISIONS

BY: DATE: NO. BY: DATE: \$2-53

3 TOTAL SHEETS
119

OCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED