K.H. COMPTON

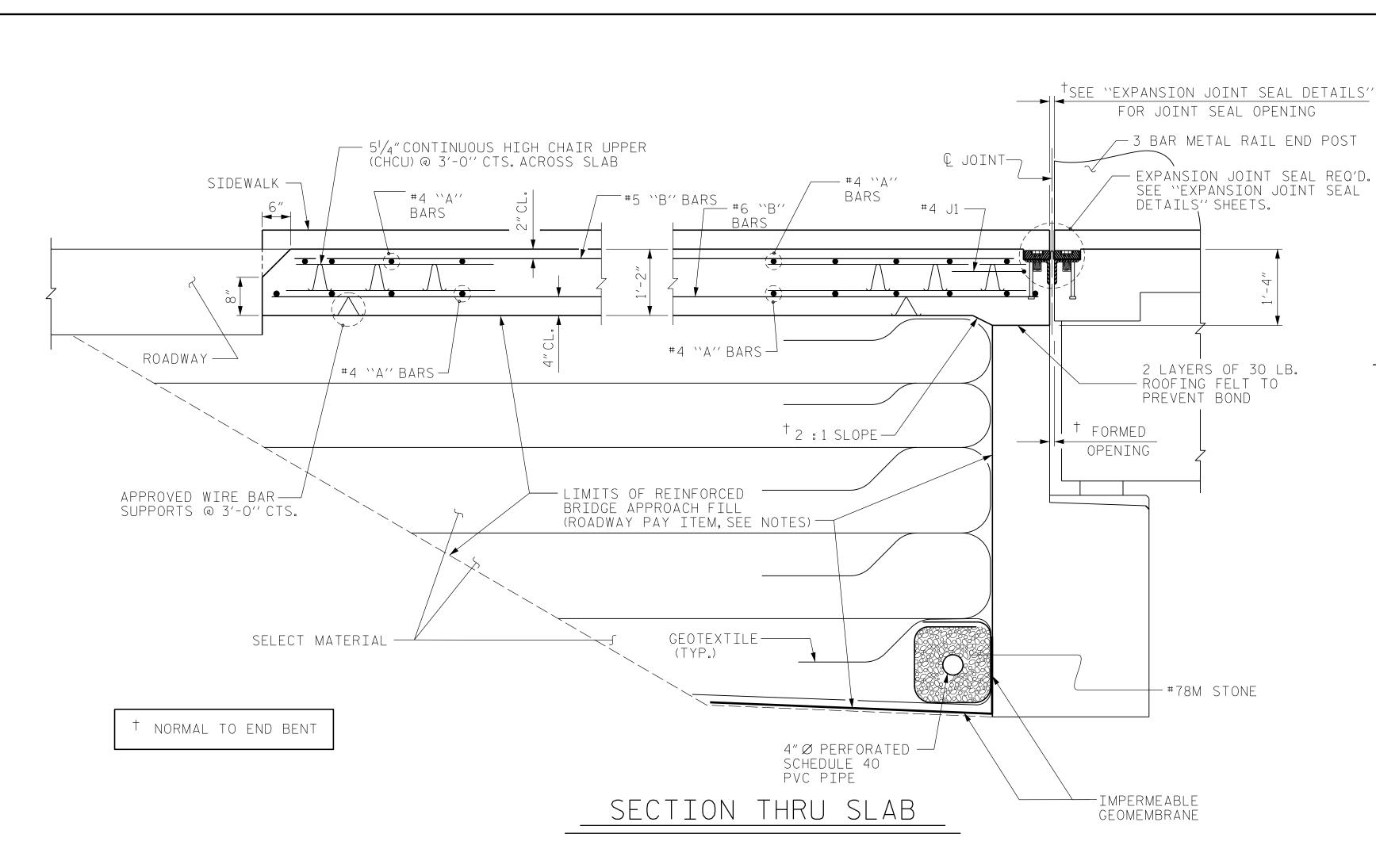
CHECKED BY : G.L. HAMILTON

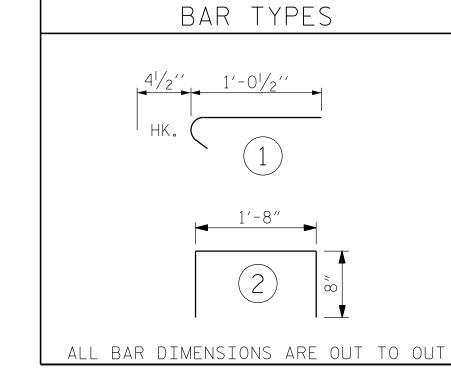
DESIGNED BY : K.H. COMPTON

DATE : <u>5/2016</u>

__ DATE : <u>7/2016</u>

_ DATE : <u>5/2016</u>





NOTES

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

ALL REINFORCING STEEL IN THE SIDEWALK SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE SIDEWALK IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINTS SHALL BE LOCATED AT A SPACING OF 8 FEET TO 10 FEET BETWEEN EXPANSION JOINTS. NO CONTRACTION JOINT WILL BE REQUIRED FOR SEGMENTS LESS THAN 10 FEET IN LENGTH.

THE COST OF THE SIDEWALK, TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

STAGE I							
FOR ONE APPROACH SLAB (2 REQ'D)							
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT		
* ∆1	50	#4	STR	23'-1''	770		
Α2	52	#4	STR	21'-11''	761		
∗ B1	81	#5	STR	23'-10''	2014		
В2	81	#6	STR	24'-8''	3001		
 ₩ B3	10	#4	STR	24'-8''	165		
∗ G1	26	#4	STR	5′-1′′	88		
* J1	34	#4	1	1'-5''	32		
* U1	10	#4	2	3'-0''	20		
REINFORCING STEEL LBS. 3762							

BILL OF MATERIAL

* EPOXY COATED REINFORCING STEEL LBS. 3089

POUR #1 (SLAB) C.Y. 44.5 POUR #2 (SIDEWALK) C.Y. 3.2 TOTAL C.Y. 47.7 STAGE II

CLASS AA CONCRETE

FOR	ONE	APPROACH SIZE TYPE		SLAB (2	REQ'D)
BAR	NO.			LENGTH	WEIGHT
* ∆1	75	#4	STR	22'-1''	1105
Α2	78	#4	STR	21'-11''	1140
★ B1	122	#5	STR	23′-10′′	3033
В2	122	#6	STR	24'-8''	4520
∗ B3	10	#4	STR	24'-8''	165
≭ G1	26	#4	STR	5'-1''	88
* J1	54	#4	1	1'-5''	51
* U1	10	#4	2	3'-0''	20

REINFORCING STEEL

* EPOXY COATED REINFORCING STEEL

LBS. 4462

TOTAL

LBS. 5660

C.Y. 66.4

C.Y. 3.2 C.Y. 69.6

CLASS AA CONCRETE POUR #1 (SLAB) POUR #2 (SIDEWALK)

SPLICE LENGTHS					
BAR SIZE	EPOXY COATED	UNCOATE			
#4	2'-0"	1'-9"			
#5	2'-6"	2'-2"			
#6	3′-10″	2'-7"			

U-4910A PROJECT NO. CABARRUS COUNTY

147+80.00 -L-

SHEET 4 OF 4

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11/30/2016

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS

SHEET NO REVISIONS S-55 NO. BY: DATE: DATE: TOTAL SHEETS 55

— ELBOW CLASS "B" STONE — FOR EROSION CONTROL TEMPORARY SLOPE DRAIN - - - - - - - - - - - -TEMP. SLOPE DRAIN 4'-0" 2'-0"MIN. FUTURE SHOULDER S◀┐ **/**_____ TOE OF FILL BRIDGE DECK EARTH DITCH BLOCK-CLASS "B"STONE —/ FOR EROSION CONTROL APPROACH-SLAB SECTION R-R 2'-0' MIN. 6" MIN. - 3"EROSION RESISTANT MATERIAL OVER PIPE 12" MINIMUM — — EARTH DITCH BLOCK CAP FLOW LINE ONLY WITH EROSION RESISTANT MATERIAL EROSION RESISTANT MATERIAL BACKFILL EXCAVATION HOLE AND GRADE TO DRAIN FND OF APPROACH SLAB NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE AFTER THE BACKFILLING OF THE END BENT EXCAVATION, DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING 4'-0" MIN. EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION ∠ FILL SLOPE PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE.

TEMPORARY BERM AND SLOPE DRAIN DETAILS

SECTION S-S

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)

MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER.

PLAN VIEW

THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

OCUMENT NOT CONSIDERE FINAL UNLESS ALL

THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

TEMPORARY DRAINAGE DETAIL

SIGNATURES COMPLETED