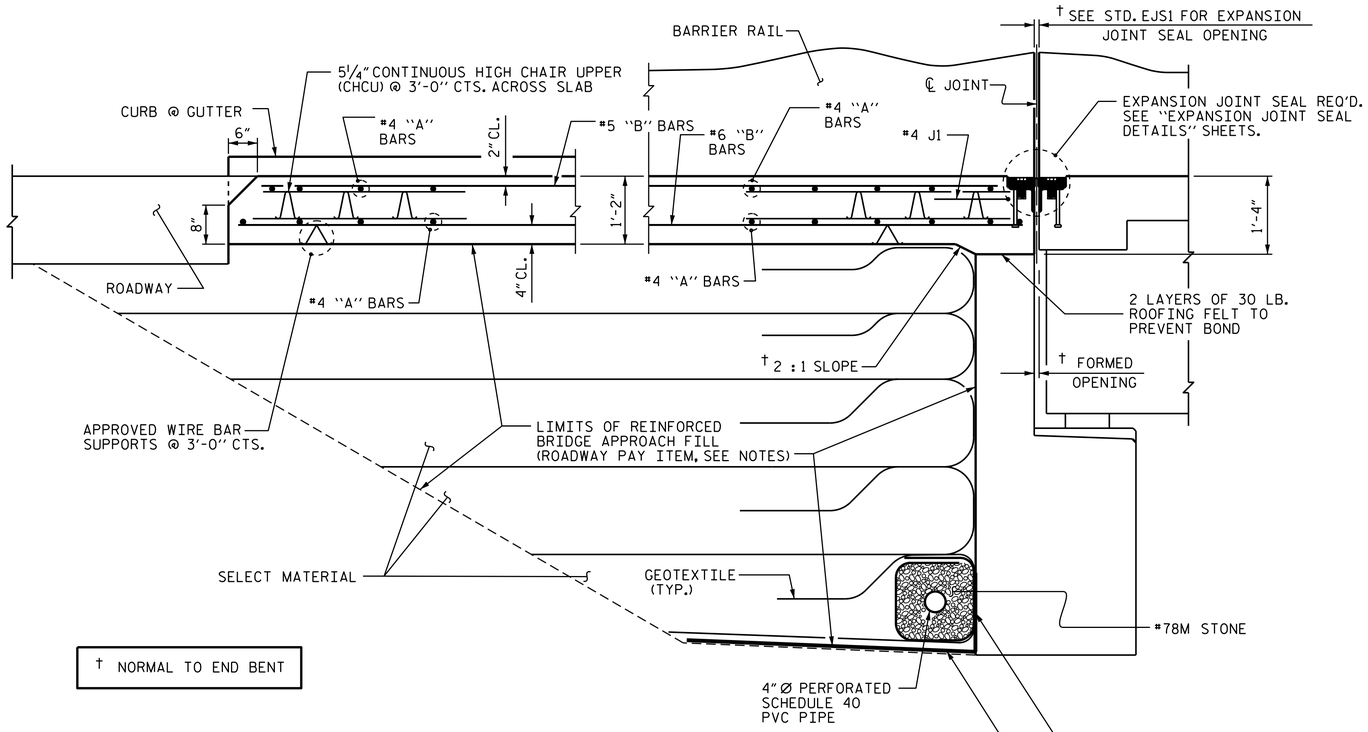
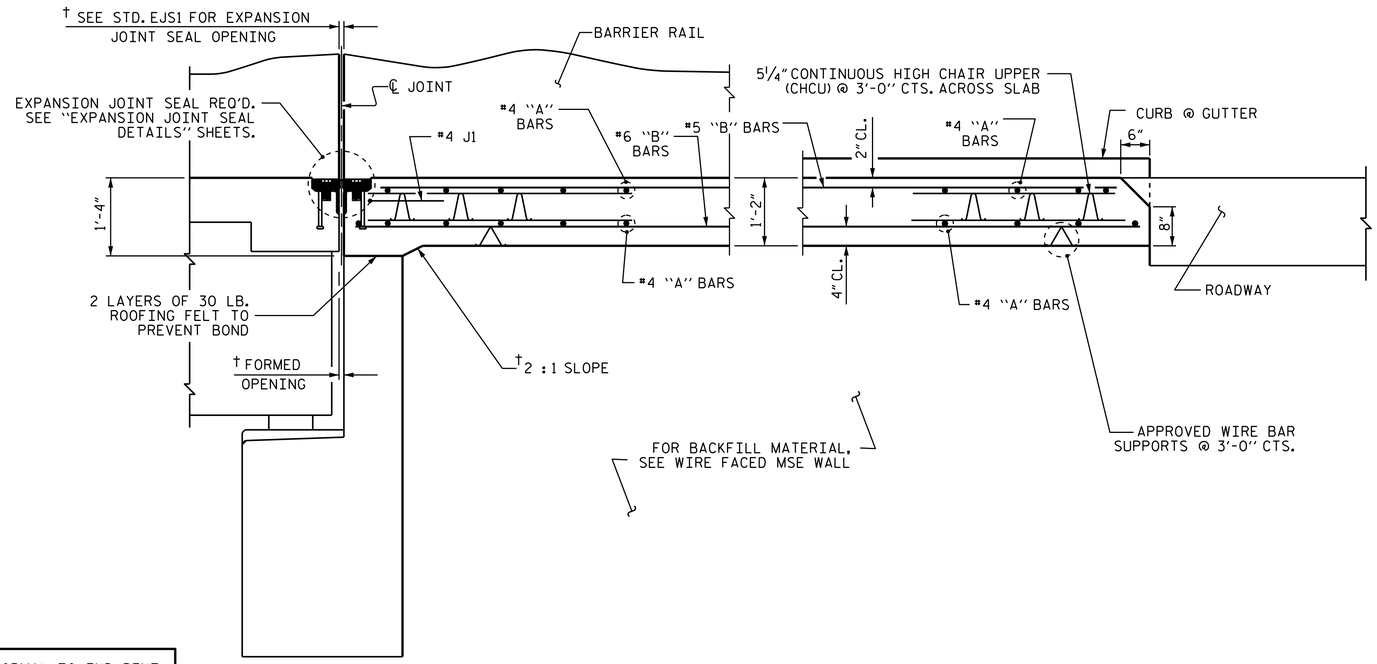


† NORMAL TO END BENT

SECTION THRU SLAB

END BENT No. 1



† NORMAL TO END BENT

SECTION THRU SLAB

END BENT No. 2

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.

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.

FOR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.

THE QUANTITY OF #4 J1 BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1 BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1 BARS SPECIFIED, ADDITIONAL J1 BARS WILL NOT BE REQUIRED.

BILL OF MATERIAL

APPROACH SLAB AT EB No. 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	50	#4	STR	26'-10"	896
A2	52	#4	STR	26'-9"	929
✱ B1	78	#5	STR	23'-10"	1939
B2	78	#6	STR	24'-7"	2880
✱ B3	4	#5	STR	9'-9"	41
B4	4	#6	STR	9'-9"	59
✱ J1	51	#4	1	1'-5"	48

REINFORCING STEEL ✱✱ 3868 LBS.

✱ EPOXY COATED REINFORCING STEEL ✱✱ 2924 LBS.

CLASS AA CONCRETE ✱✱ 43.8 C.Y.

APPROACH SLAB AT EB No. 2

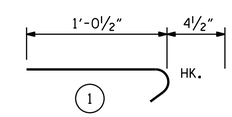
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A3	75	#4	STR	21'-4"	1069
A4	78	#4	STR	21'-2"	1103
✱ B1	78	#5	STR	23'-10"	1939
B2	78	#6	STR	24'-7"	2880
✱ B3	4	#5	STR	9'-9"	41
B4	4	#6	STR	9'-9"	59
✱ J1	58	#4	1	1'-5"	55

REINFORCING STEEL ✱✱ 4042 LBS.

✱ EPOXY COATED REINFORCING STEEL ✱✱ 3104 LBS.

CLASS AA CONCRETE ✱✱ 43.9 C.Y.

BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT

✱✱ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED. SEE SHEET 3 OF 3.

SPLICE LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"

PROJECT NO. B-3673

McDOWELL COUNTY

STATION: 29+38.00 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

BRIDGE APPROACH SLAB FOR FLEXIBLE PAVEMENT

NORTH CAROLINA PROFESSIONAL SEAL 17230 ENGINEER WAEL S. ARAFAT

DocuSigned by: Wael Arafat 4139C12A32AB406...

2/24/2015

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-42
1			3					TOTAL SHEETS
2			4					43

STD. NO. BAS2 (SHT 4b)

ASSEMBLED BY : V.X. NGUYEN	DATE : 12-15-14		
CHECKED BY : A.M. LEE	DATE : 12-19-14		
DRAWN BY : EEM 3/95	REV. 10/1/11	MAA/GM	DESIGN ENGINEER OF RECORD: J.P. McCARTHA DATE : 1-20-15
CHECKED BY : VAP 3/95	REV. 12/21/11	MAA/GM	
	REV. 6/13	MAA/GM	

24-FEB-2015 10:03
R:\Structures\Plans\Final Plans\B-3673_SD_AS.dgn
warafat