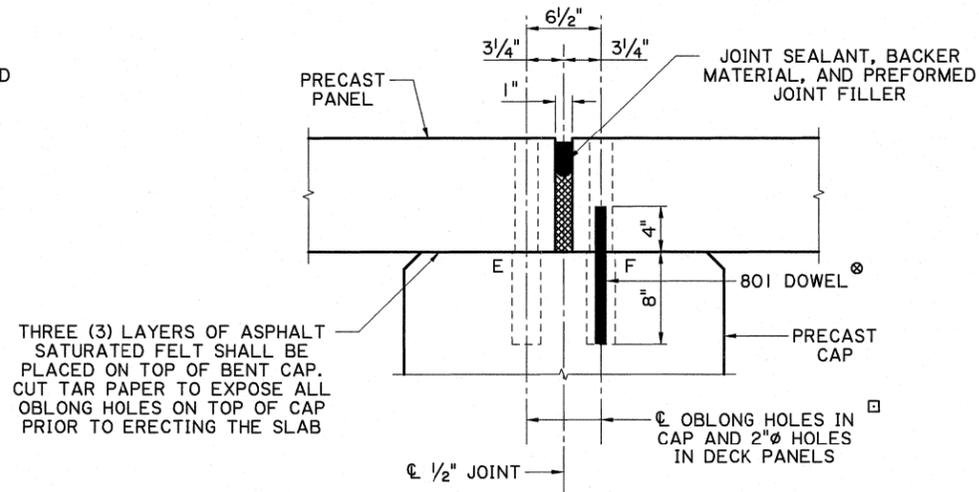


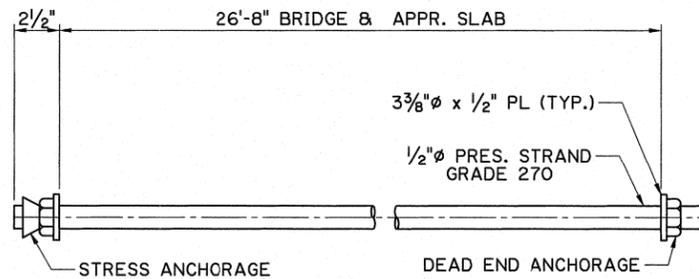
JOINT DETAIL
(TWO FIXED ENDS)



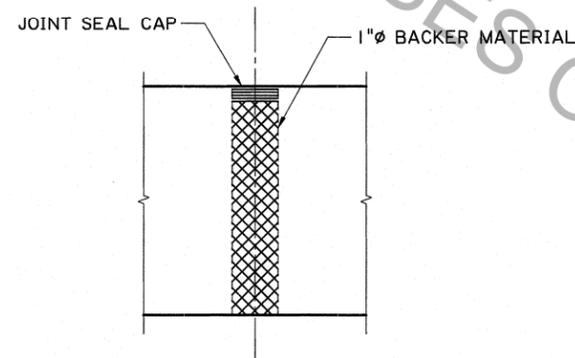
JOINT DETAIL
(EXPANSION & FIXED END)

☐ HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER DOWELS BARS ARE IN PLACE.

⊗ ONLY REQUIRED AT FIXED END



DETAILS OF PRESTRESSING STRANDS



POST HOLE DETAIL
(TYP. FOR UNUSED BARRIER POST HOLES)

NOTES:

THE PRESTRESSING STRAND SHALL BE SHEATHED WITH AN EXTRUDED PVC MATERIAL IN ACCORDANCE WITH THE POST-TENSIONING INSTITUTE SPECIFICATIONS. STRANDS SHALL BE TENSIONED TO 15 KIPS. THE ANCHOR SYSTEM SHALL BE OF THE APPROPRIATE TYPE MANUFACTURED BY ALTAS PRESTRESSING CORP., OR BY STRESS STEEL CORP., OR AN APPROVED EQUAL. ALL EXPOSED ENDS SHALL BE PAINTED WITH AN APPROVED COATING AFTER STRESSING.

USE AN ADEQUATE DEBONDING TO PREVENT BONDING OF THE GROUT WITH THE SLAB AND THE PILE CAP BEFORE GROUTING HOLES.

SEE SHEET 1 OF 15 "BRIDGE GENERAL PLAN" FOR JOINT TYPE AND LOCATION.

ESTIMATED QUANTITIES (ONE EXTERIOR UNIT)				
BAR NO.	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
901	8	19'-7"	156'-8"	LONGIT. BOT. OF SLAB
902	1	19'-5"	19'-5"	LONGIT. BOT. OF SLAB
TOTAL NO. 9 BARS = 176'-1" = 599 LBS.				
501	78	3'-0"	234'-0"	TRANS. TOP & BOT. OF SLAB
502	6	6'-9"	40'-6"	BOT. END OF SLAB
503	2	6'-7"	13'-2"	TOP END OF SLAB
TOTAL NO. 5 BARS = 287'-8" = 300 LBS.				
401	4	19'-7"	78'-4"	LONGIT. TOP OF SLAB
TOTAL NO. 4 BARS = 78'-4" = 52 LBS.				
△ DEFORMED REINFORCING STEEL = 951 LBS.				
⊙ CLASS P CONCRETE = 2.05 CU. YDS.				
CONCRETE RAILING (PER SPAN) = 40.00 LIN. FT.				

ESTIMATED QUANTITIES (ONE INTERIOR UNIT)				
BAR NO.	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
901	8	19'-7"	156'-8"	LONGIT. BOT. OF SLAB
902	1	19'-5"	19'-5"	LONGIT. BOT. OF SLAB
TOTAL NO. 9 BARS = 176'-1" = 599 LBS.				
503	2	6'-7"	13'-2"	TOP END OF SLAB
504	39	3'-8"	143'-0"	TRANS. BOT. OF SLAB
505	6	6'-5"	38'-6"	BOT. END OF SLAB
TOTAL NO. 5 BARS = 194'-8" = 203 LBS.				
401	4	19'-7"	78'-4"	LONGIT. TOP OF SLAB
402	17	3'-8"	62'-4"	TRANS. TOP OF SLAB
TOTAL NO. 9 BARS = 140'-8" = 94 LBS.				
△ DEFORMED REINFORCING STEEL = 896 LBS.				
⊙ CLASS P CONCRETE = 2.46 CU. YDS.				

⊙ BASED ON A 10" THICKNESS

△ ADD 2-801 DOWELS, 1'-0" LONG TO EACH UNIT WITH TWO FIXED ENDS AND 1-801 DOWEL TO UNITS WITH ONE FIXED AND ONE EXPANSION END.



K.M. Brauner
5/8/2012

SHEET NUMBER: _____

DESIGNED: T. LE PELTIER
CHECKED: J. PELTIER
DATE: _____

PARISH: _____ CONTROL SECTION: _____ STATE PROJECT: _____

DETAILED: J. PELTIER
CHECKED: K. BRAUNER
SERIES NUMBER: 14 OF 15

NO. _____ DATE: _____

REVISION OR CHANGE ORDER DESCRIPTION: _____

BY: _____

PRECAST CONCRETE SLAB UNIT DETAILS

BD2.8.1.0.14 DETOUR BRIDGE

BRIDGE & STRUCTURAL DESIGN