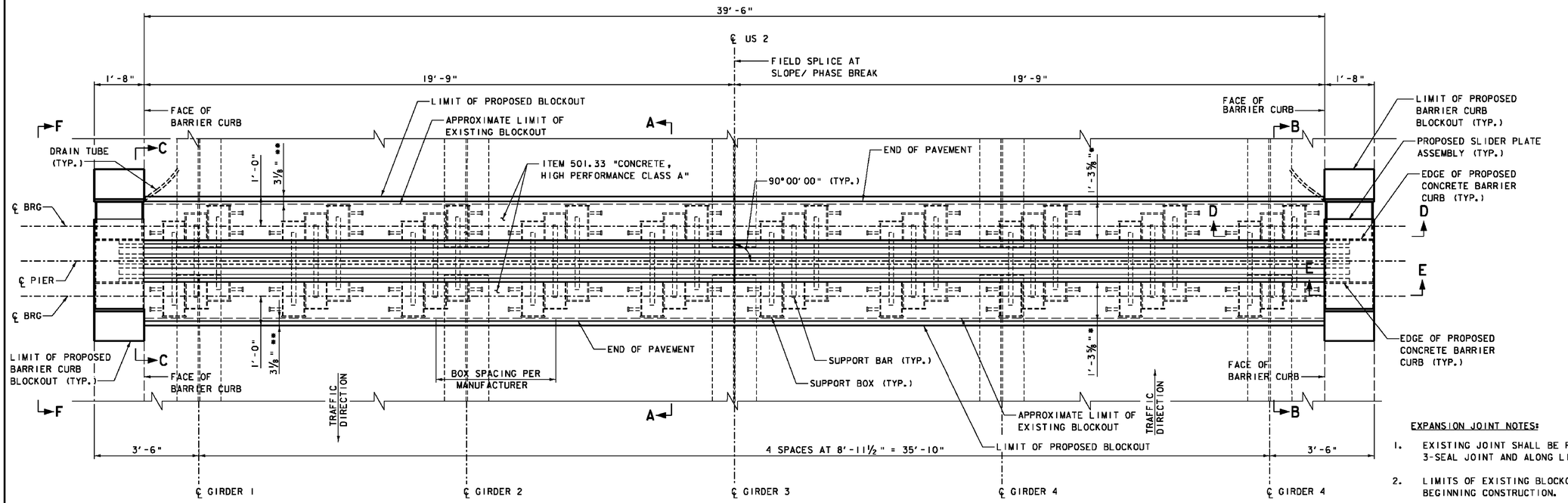
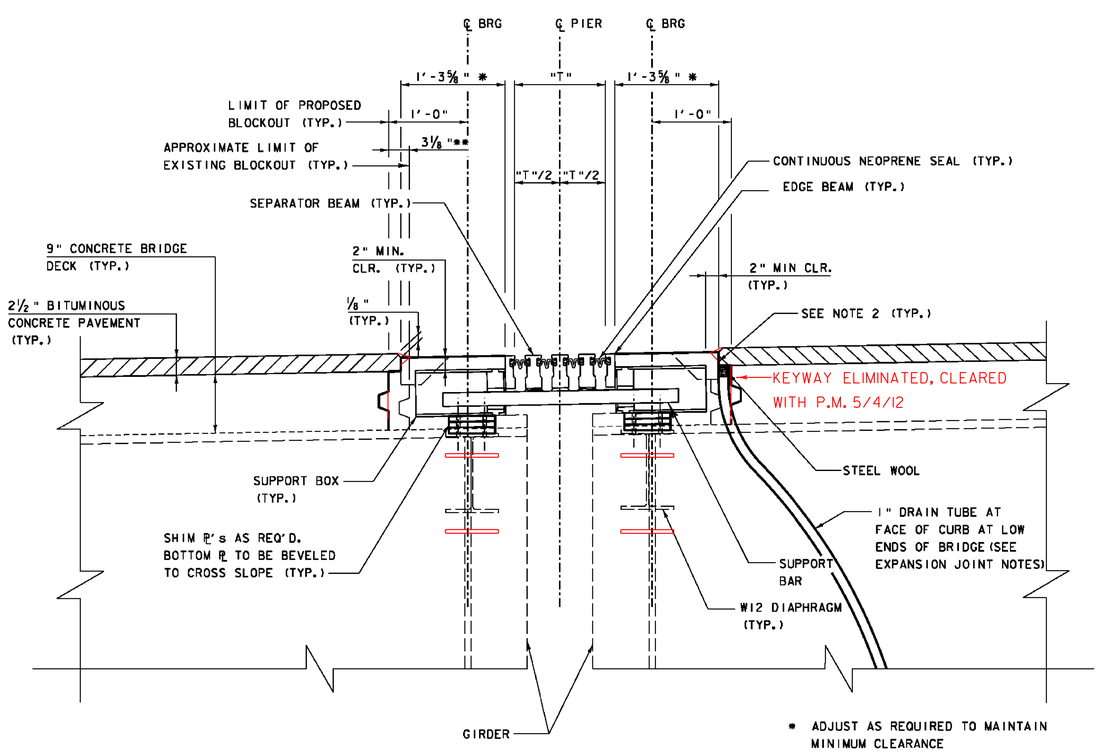


4-SEAL EXPANSION JOINT PLAN

(PIER 2E SHOWN, PIER 9E SIMILAR)
SCALE: ½" = 1'-0"



* ADJUST AS REQUIRED TO MAINTAIN MINIMUM CLEARANCE

** DIMENSIONS APPROXIMATED FROM EXISTING PLANS

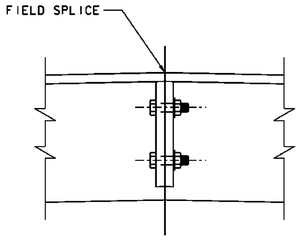
SECTION A-A

SCALE: 1" = 1'-0"

NOTES:

1. FOR SECTIONS B-B, C-C, D-D, E-E, AND VIEW F-F, SEE MODULAR JOINT DETAILS SHEET 3 OF 4.
2. EXTEND MEMBRANE WATERPROOFING, SPRAY APPLIED 2" UP BLOCKOUT.

TEMPERATURE SETTING TABLE		
TEMP (F°)	"T" (IN.)	
	PIER 2E	PIER 9E
-30	18½	18⅛
-15	17½	17⅛
0	16⅝	16⅛
15	15⅝	15⅛
30	14¾	14⅛
45	13¾	13⅛
60	12¾	13
75	11⅞	12
90	10⅞	11
105	10	10
120	9	9



BOLTED FIELD SPLICE DETAIL

NOT TO SCALE

NOTE:
IT IS THE CONTRACTOR'S OPTION TO USE A BOLTED OR WELDED FIELD SPLICE.

EXPANSION JOINT NOTES:

1. EXISTING JOINT SHALL BE REMOVED AND DECK CUT ALONG LIMIT OF EXISTING BLOCKOUT FOR 3-SEAL JOINT AND ALONG LIMIT OF PROPOSED BLOCKOUT FOR 4-SEAL JOINT.
2. LIMITS OF EXISTING BLOCKOUTS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
3. EXISTING SLIDER PLATE ASSEMBLIES ON THE CONCRETE BARRIER CURBS SHALL BE REUSED AT 3-SEAL JOINT LOCATIONS AND REPLACED AT 4-SEAL JOINT LOCATIONS.
4. ALL COSTS FOR REPLACEMENT SLIDER PLATE ASSEMBLIES, INCLUDING PLATES, MACHINE SCREWS, ANCHORS AND FERRULES, SHALL BE PAID FOR UNDER ITEM 900.640, "SPECIAL PROVISION (BRIDGE EXPANSION JOINT, MODULAR) (4 SEALS)".
5. THE EXPANSION JOINT ASSEMBLIES SHALL CONFORM TO SPECIAL PROVISION 900.640, "SPECIAL PROVISION (BRIDGE EXPANSION JOINT, MODULAR)".
6. THE CONTRACTOR MAY PROVIDE EXPANSION JOINT AS A SINGLE UNIT OR AS A SPLICED SECTION BUT MAY NOT CLOSE THE BRIDGE FOR MORE THAN 20 MINUTES BETWEEN 1 AM AND 5 AM, MONDAY THROUGH THURSDAY.
7. THE FINAL FINISH OF THE EXPANSION DEVICES SHALL BE COVERED DURING THE PLACING OF BRIDGE DECK CONCRETE.
8. STEEL COMPONENTS SHALL BE AASHTO M 270M/M 270 GRADE 345, GALVANIZED OR METALIZED.
9. CONCRETE FOR THE EXPANSION JOINT BLOCKOUT AND THE BARRIER CURB SHALL BE ITEM 501.33, "CONCRETE, HIGH PERFORMANCE CLASS A".
10. THE ITEM "SPECIAL PROVISION (BRIDGE EXPANSION JOINT, MODULAR)" SHALL INCLUDE THE FABRICATION AND ERECTION OF THE COMPLETE JOINT ASSEMBLY, INCLUDING SHIM PLATES.
11. THE EXISTING SHIM PLATES SHALL BE REMOVED.
12. COAT CONCRETE CONTACT SURFACES WITH EPOXY BONDING COMPOUND MEETING THE REQUIREMENTS OF SUBSECTION 719.02. COST SHALL BE INCIDENTAL TO ITEM 900.640, "SPECIAL PROVISION (BRIDGE EXPANSION JOINT, MODULAR)".
13. A 1" DIAMETER (NOMINAL) PLASTIC DRAIN TUBE (PER SUBSECTION 740.01) SHALL BE INSTALLED AS SHOWN AT THE FACE OF THE BARRIER CURBS. THE UPPER END IS TO BE PLUGGED WITH STEEL WOOL AND THE LOWER END IS TO EXTEND A MINIMUM OF 12" BELOW THE BOTTOM OF THE FASCIA GIRDER. THE DRAIN TUBES SHALL BE FASTENED TO THE GIRDERS USING A METHOD APPROVED BY THE ENGINEER. COST SHALL BE INCIDENTAL TO ITEM 900.640, "SPECIAL PROVISION (BRIDGE EXPANSION JOINT, MODULAR)".
14. JOINT SHALL BE CONSTRUCTED IN TWO PHASES, HALF JOINT PER PHASE. SEE NOTE 20 ON SHEET 2.
15. THE NEOPRENE SEALS SHALL BE PROVIDED IN ONE CONTINUOUS LENGTH.
16. EXPANSION JOINT TYPE, LAYOUT, AND DIMENSIONS ARE BASED ON EXISTING PLANS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
17. CONDUIT FOR NAVIGATIONAL LIGHTS WITHIN AREAS OF CONCRETE BARRIER CURB REMOVAL FOR MODULAR JOINT REPAIRS AT PIERS 8W AND 2W SHALL BE REMOVED AND REPLACED. PAYMENT SHALL BE INCIDENTAL TO ITEM 678.24, "ELECTRICAL WIRING".

PROJECT NAME: ALBURGH - ROUSES POINT
PROJECT NUMBER: BHF MEMB(24)

FILE NAME: sl0b032jnt4_plan.dgn
PROJECT LEADER: JPB
DESIGNED BY: JF
PLOT DATE: 12/23/2011
DRAWN BY: MWS
CHECKED BY: JPB
MODULAR JOINT DETAILS SHEET 1 OF 4
SHEET 11 OF 50