EXPANSION JOINT REPLACEMENT DETAILS - TYPE "G"
BID UNDER ITEM NO. 604-10.46, EXPANSION JOINT REPAIR, LINEAR FEET

TYPICAL SECTION AT ABUTMENT BACKWALL

NO.5 "A" BARS TO BE PLACED THROUGH CONNECTORS PLATES. HOLES TO BE DRILLED 1" ⌀. (2'-3" MIN. LAP)

EXISTING BACKWALL WIDTH OR 1'-0" MINIMUM

BARS H410E ⌀ 12" C.C.

1'-3" MIN.-LIMITS OF EXISTING CONCRETE REMOVAL AND REPOURING.

9" MIN.-DEPTH FOR EPOXY GROUTED LEVELLING RODS.

⅜" PLATE. SEE DWG. NO. SBR-2-116 FOR DETAILS.

EXISTING REINFORCING STEEL

2" AT 60°F. (ACTUAL SETTING AS PER TEMPERATURE CHART ON EXPANSION JOINT SHOP DRAWINGS).

2'-0" MIN.-LIMITS OF EXISTING END OF SLAB REMOVAL AND REPOURING.

TOP 5/16" THICK BARS ⌀ 12" C.C. ALTERNATING W/ BOTTOM 5/16" THICK BARS ⌀ 12" C.C. FOR BAR DETAILS SEE DWG. NO. SBR-2-116 (TYPICAL)

3¼" NEW ASPHALT OVERLAY SEE DETAILS ON PLANS DRAWINGS.

SYSTEM "A" OR "B" BRIDGE DECK SEALANT ITEM NO. 617-01.

EXISTING REINFORCING STEEL TO REMAIN IN PLACE AND TO BE COMPLETELY CLEANED BEFORE POURING NEW CONCRETE.

3" MIN.

* NO. 5 "A" BARS 2'-3" MIN. LAP) IN LENGTHS TO MAINTAIN TRAFFIC.

BARS H400E 5% H400E SPA. ⌀ 12" C.C. MAX. SEE DWG. NO. SBR-2-116 FOR BAR BENDS.

EXISTING PRESTRESSED BEAM

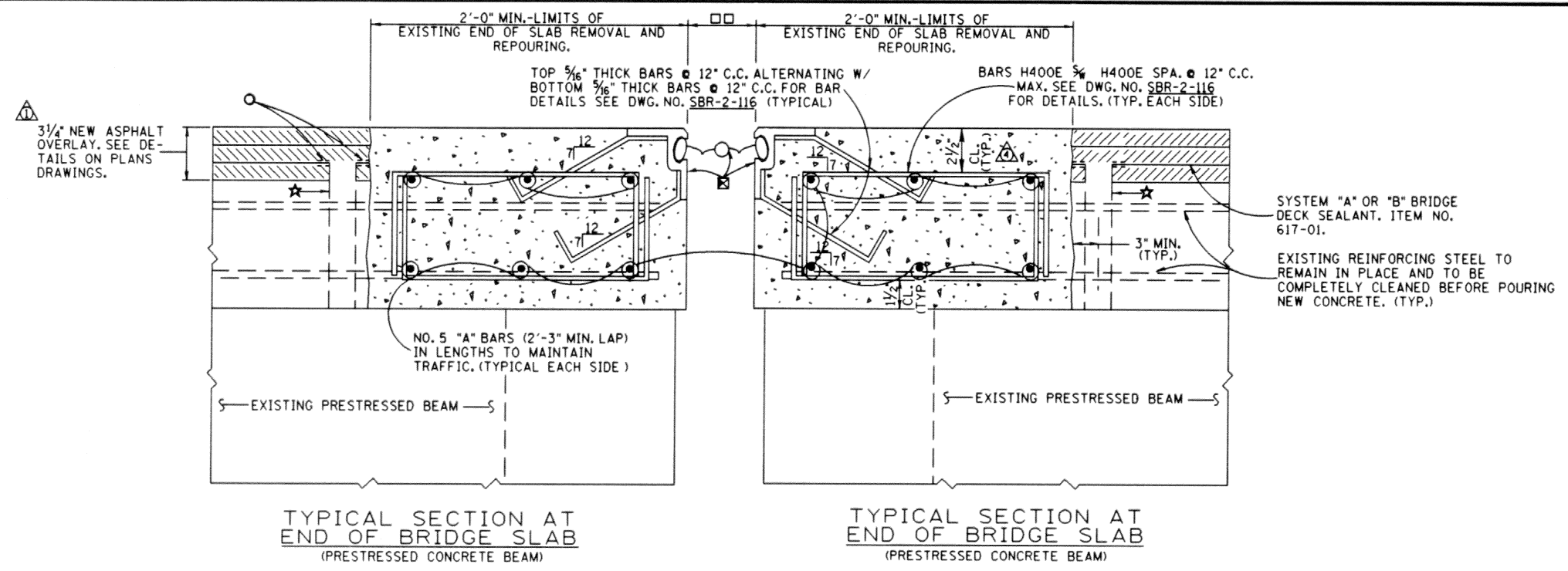**TYPICAL SECTION END OF BRIDGE SLAB**
(PRESTRESSED CONCRETE BEAM)

☆ NOTE: CONTRACTOR TO DRILL A 1½" ⌀ HOLE NEAR FACE OF CONCRETE CURB OR PARAPET AT LOW POINT EACH SIDE OF ₵ BRIDGE. COST TO BE INCLUDED IN ITEM NO. 617-01.

▲ EXPANSION JOINT LEVELING ASSEMBLIES - TWO (2) ⅞" ⌀ THREADED RODS, ASTM A36, (2 HEX NUTS AND 2 - 3½" X 3½" X ¼" SQUARE WASHERS PER BOLT), LOCATED AT ₵ OF EACH BEAM. DRILL AND EPOXY GROUT THREADED RODS 9" INTO EXISTING ABUTMENT BACKWALL. FOR OTHER EXPANSION JOINT LEVELING ASSEMBLY DETAILS SEE DWG. NO. SBR-2-116.

⊠ DENOTES: TYPE "X" RETAINERS WITH ELASTOMERIC SEAL. SEE DETAILS ON DWG. NO. SBR-2-116.

○ DENOTES: MASTIC AS RECOMMENDED BY MANUFACTURER OF MEMBRANE. SEE STANDARD SPECIFICATIONS, ARTICLE 906.04.

PROJECT NO.	YEAR	SHEET NO.
	1991	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
B/R 1	7-29-92	WMM	REVISED NEW ASPHALT OVERLAY
B/R 2	3-7-95	TO	REMOVED SIGNATURES
B/R 3	1-4-96	TO	REVISED BR DRAWING NO. TO SBR DRAWING NO.
B/R 4	5-30-96	TO	REVISED BAR CLEARANCE

EXPANSION JOINT REPLACEMENT DETAILS - TYPE "H"
BID UNDER ITEM NO. 604-10.47, EXPANSION JOINT REPAIR, LINEAR FEET

2'-0" MIN.-LIMITS OF EXISTING END OF SLAB REMOVAL AND REPOURING.

TOP 5/16" THICK BARS ⌀ 12" C.C. ALTERNATING W/ BOTTOM 5/16" THICK BARS ⌀ 12" C.C. FOR BAR DETAILS SEE DWG. NO. SBR-2-116 (TYPICAL)

BARS H400E 5% H400E SPA. ⌀ 12" C.C. MAX. SEE DWG. NO. SBR-2-116 FOR DETAILS. (TYP. EACH SIDE)

3¼" NEW ASPHALT OVERLAY. SEE DETAILS ON PLANS DRAWINGS.

SYSTEM "A" OR "B" BRIDGE DECK SEALANT. ITEM NO. 617-01.

EXISTING REINFORCING STEEL TO REMAIN IN PLACE AND TO BE COMPLETELY CLEANED BEFORE POURING NEW CONCRETE. (TYP.)

3" MIN. (TYP.)

NO. 5 "A" BARS (2'-3" MIN. LAP) IN LENGTHS TO MAINTAIN TRAFFIC. (TYPICAL EACH SIDE)

EXISTING PRESTRESSED BEAM

TYPICAL SECTION AT END OF BRIDGE SLAB
(PRESTRESSED CONCRETE BEAM)

TYPICAL SECTION AT END OF BRIDGE SLAB
(PRESTRESSED CONCRETE BEAM)

☆ NOTE: CONTRACTOR TO DRILL A 1 1/2" ⌀ HOLE NEAR FACE OF CONCRETE CURB OR PARAPET AT LOW POINT EACH SIDE OF ₵ BRIDGE. COST TO BE INCLUDED IN ITEM NO. 617-01.

⊠ DENOTES: TYPE "X" RETAINERS WITH ELASTOMERIC SEAL. SEE DETAILS ON DWG. NO. SBR-2-116.

○ DENOTES: MASTIC AS RECOMMENDED BY MANUFACTURER OF MEMBRANE. SEE STANDARD SPECIFICATIONS, ARTICLE 906.04.

□□ DENOTES: SET EXPANSION JOINT OPENING 2" AT 60°F. (ACTUAL SETTING AS PER TEMPERATURE CHART ON EXPANSION JOINT SHOP DRAWINGS).

B/R MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STRIP SEAL EXPANSION JOINT - REPLACEMENT CONSTRUCTION DETAILS TYPE "G" AND TYPE "H"
1991

DESIGNED BY		DATE	
DRAWN BY	E. JOHNSON (REPO)	DATE	9-89
SUPERVISED BY	GENTRY ● McINTURFF	DATE	9-89
CHECKED BY	McINTURFF ● GLASGOW	DATE	7-90

SBR-2-120