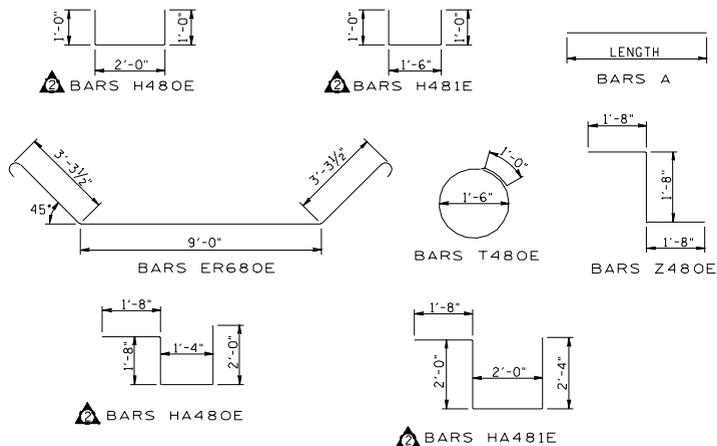


2' x 8'-7" BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS

ESTIMATED QUANTITIES (PER DRAIN)

BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE C.Y.	EPOXY COATED REINFORCING STEEL LB.
1.1	340

NOTE: THE COST OF THE GRATE AND 1.1 C.Y. OF CLASS "A" CONCRETE, 340 LB. OF EPOXY COATED REINFORCING STEEL FOR THE BRIDGE END DRAIN BOX AND ALL MISCELLANEOUS MATERIALS FOR INSTALLATION TO BE INCLUDED IN PAVEMENT AT BRIDGE ENDS.



BRIDGE END DRAIN BOX BILL OF STEEL				
BAR	LOCATION	SIZE	NO. REQ'D	LENGTH
A480E	DRAIN	4	16	9'-0"
ER680E	DRAIN	6	2	16'-11"
HA480E	DRAIN	4	8	6'-8"
HA481E	DRAIN	4	8	8'-0"
H480E	DRAIN	4	8	4'-0"
H481E	DRAIN	4	8	3'-6"
T480E	DRAIN	4	2	5'-9"
Z480E	DRAIN	4	20	5'-0"

PROJECT NO.	YEAR	SHEET NO.	
	1990		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	10-25-93	CMH	ADDED DRAIN PIPE & 2x8 DRAIN QUANT.
2	3-28-94	CMH	REV. TITLE & QUANT. FOR 2' x 8'-7" DRAIN, ADDED PERF. PIPE
3	5-1-95	CMH	REVISION REQUIRED BY STD-1-5
4	4-28-97	CMH	REVISION REQUIRED BY STD-1-5

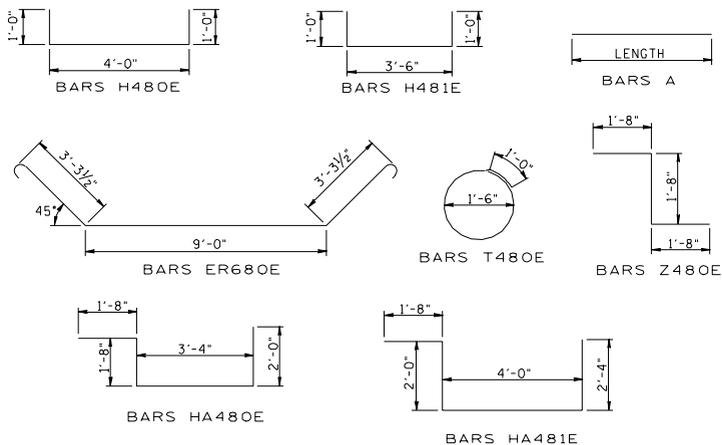
NOTE: FOR ADDITIONAL DETAILS SEE STD-1-1 THRU 5 AND 7, 8 OR 9.

4' x 8'-7" BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS

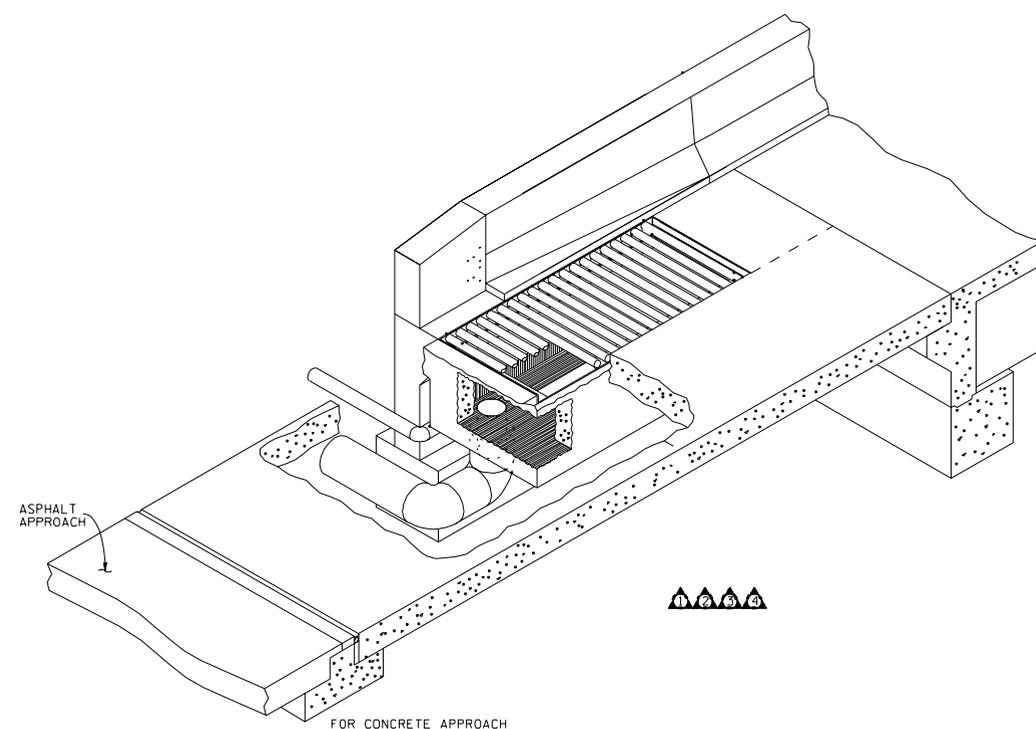
ESTIMATED QUANTITIES (PER DRAIN)

BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE C.Y.	EPOXY COATED REINFORCING STEEL LB.
1.7	434

NOTE: THE COST OF THE GRATE AND 1.7 C.Y. OF CLASS "A" CONCRETE, 434 LB. OF EPOXY COATED REINFORCING STEEL FOR THE BRIDGE END DRAIN BOX AND ALL MISCELLANEOUS MATERIALS FOR INSTALLATION TO BE INCLUDED IN PAVEMENT AT BRIDGE ENDS.



BRIDGE END DRAIN BOX BILL OF STEEL				
BAR	LOCATION	SIZE	NO. REQ'D	LENGTH
A480E	DRAIN	4	20	9'-0"
ER680E	DRAIN	6	2	16'-11"
HA480E	DRAIN	4	8	8'-8"
HA481E	DRAIN	4	8	10'-0"
H480E	DRAIN	4	8	6'-0"
H481E	DRAIN	4	8	5'-6"
T480E	DRAIN	4	2	5'-9"
Z480E	DRAIN	4	28	5'-0"



FOR CONCRETE APPROACH SEE STANDARD STD-1-5

1 2 3 4

MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BRIDGE END DRAIN DETAILS
 2' x 8'-7" & 4' x 8'-7" WITH
 PAVEMENT AT BRIDGE ENDS
 1993

DESIGNED BY C.M. HILES DATE _____
 DRAWN BY KIM FRANKENFIELD DATE _____
 SUPERVISED BY C.M. HILES DATE _____
 CHECKED BY _____ DATE _____

CORRECT Edward P. Wasserman
 ENGINEER OF STRUCTURES