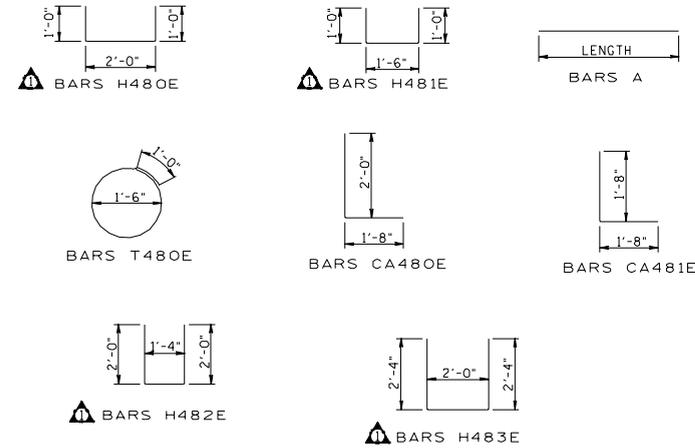


2' x 8'-7" BRIDGE END DRAIN  
WITHOUT PAVEMENT AT BRIDGE ENDS

ESTIMATED QUANTITIES  
(PER DRAIN)

BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE C.Y.	EPOXY COATED REINFORCING STEEL LB.
1.4	306

NOTE: THE COST OF THE GRATE AND 1.4 C.Y. OF CLASS "A" CONCRETE, 306 LB. OF EPOXY COATED REINFORCING STEEL FOR THE BRIDGE END DRAIN BOX, ASPHALT AND ALL MISCELLANEOUS MATERIALS FOR INSTALLATION TO BE INCLUDED IN COST OF DRAIN BOX.



BRIDGE END DRAIN BOX BILL OF STEEL				
BAR	LOCATION	SIZE	NO. REQ'D	LENGTH
A480E	DRAIN	4	22	9'-0"
CA480E	DRAIN	4	10	3'-8"
CA481E	DRAIN	4	10	3'-4"
H480E	DRAIN	4	10	4'-0"
H481E	DRAIN	4	10	3'-6"
H482E	DRAIN	4	8	5'-4"
H483E	DRAIN	4	8	6'-8"
T480E	DRAIN	4	2	5'-9"

PROJECT NO.	YEAR	SHEET NO.	
	1993		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	3-28-94	CMH	REV. TITLE & QUANT. FOR 2' x 8'-7" DRAIN, ADDED PERF. PIPE

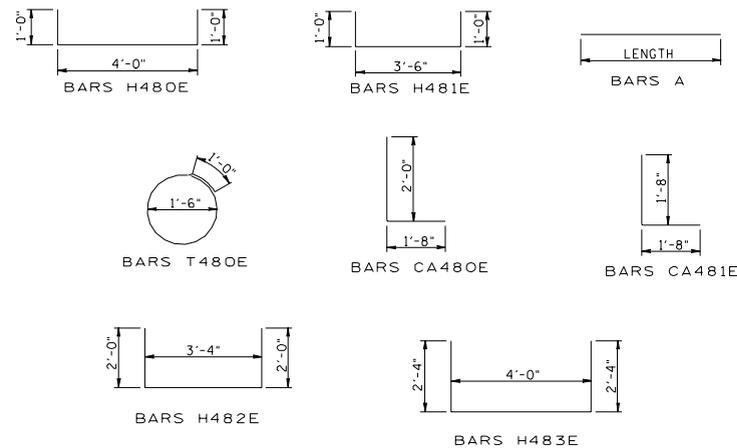
NOTE: FOR ADDITIONAL DETAILS SEE STD-1-1 THRU 4, 11 AND 12 OR 13.

4' x 8'-7" BRIDGE END DRAIN  
WITHOUT PAVEMENT AT BRIDGE ENDS

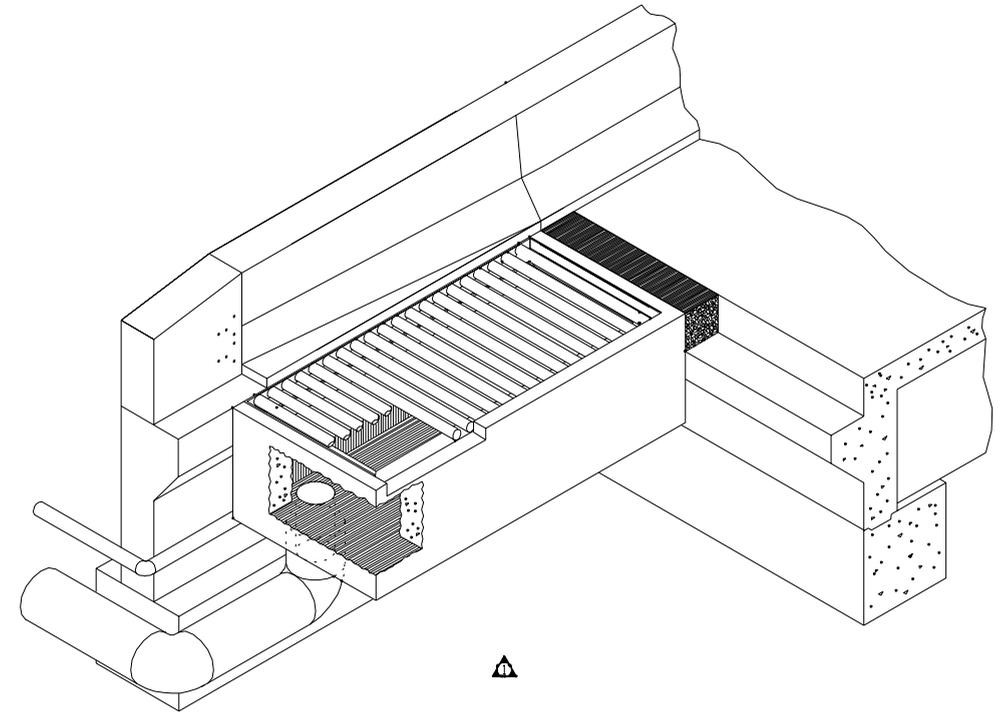
ESTIMATED QUANTITIES  
(PER DRAIN)

BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE C.Y.	EPOXY COATED REINFORCING STEEL LB.
2.1	392

NOTE: THE COST OF THE GRATE AND 2.1 C.Y. OF CLASS "A" CONCRETE, 392 LB. OF EPOXY COATED REINFORCING STEEL FOR THE BRIDGE END DRAIN BOX, ASPHALT AND ALL MISCELLANEOUS MATERIALS FOR INSTALLATION TO BE INCLUDED IN COST OF DRAIN BOX.



BRIDGE END DRAIN BOX BILL OF STEEL				
BAR	LOCATION	SIZE	NO. REQ'D	LENGTH
A480E	DRAIN	4	26	9'-0"
CA480E	DRAIN	4	14	3'-8"
CA481E	DRAIN	4	14	3'-4"
H480E	DRAIN	4	10	6'-0"
H481E	DRAIN	4	10	5'-6"
H482E	DRAIN	4	8	7'-4"
H483E	DRAIN	4	8	8'-8"
T480E	DRAIN	4	2	5'-9"



MINOR REVISION - FHWA  
APPROVAL NOT REQUIRED

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BRIDGE END DRAIN DETAILS  
2' x 8'-7" & 4' x 8'-7" WITHOUT  
PAVEMENT AT BRIDGE ENDS  
1993

DESIGNED BY: C.M. HILES  
DRAWN BY: JIM FRANKENFIELD  
SUPERVISED BY: C.M. HILES  
CHECKED BY: \_\_\_\_\_

DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_

CORRECT *Edward P. Wasserman*  
ENGINEER OF STRUCTURES