PROJECT NO.	YEAR	SHEET NO.
	1996	

REVISIONS

	NO.	DATE	BY	BRIEF DESCRIPTION
M/R	1	6-10-96	BRB	NEW METRIC STANDARD
M/R	2	4-28-97	CMH	REVISION REQUIRED BY STDM-1-5

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

610 x 2620 BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS

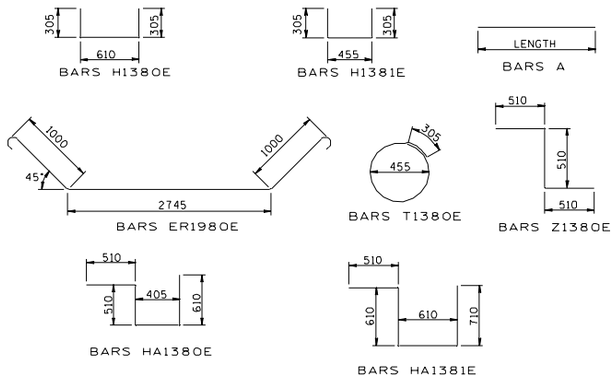
ESTIMATED QUANTITIES (PER DRAIN)

BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE m^3	EPOXY COATED REINFORCING STEEL kg.
0.841	154

NOTE: THE COST OF THE GRATE AND 0.84 m^3 OF CLASS "A" CONCRETE, 154 kg 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
A1380E	DRAIN	13	16	2745
ER1980E	DRAIN	19	2	5185
HA1380E	DRAIN	13	8	2035
HA1381E	DRAIN	13	8	2440
H1380E	DRAIN	13	8	1220
H1381E	DRAIN	13	8	1065
T1380E	DRAIN	13	2	1735
Z1380E	DRAIN	13	20	1530



1220 x 2620 BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS

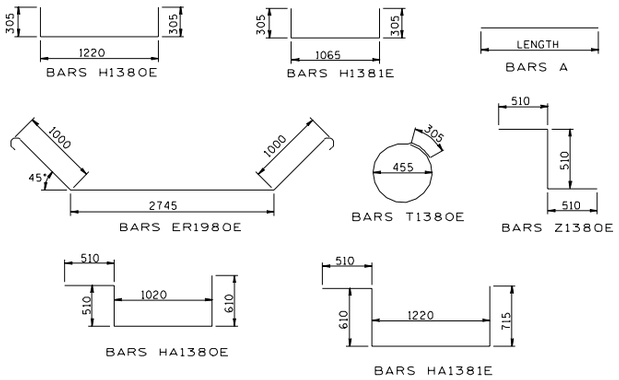
ESTIMATED QUANTITIES (PER DRAIN)

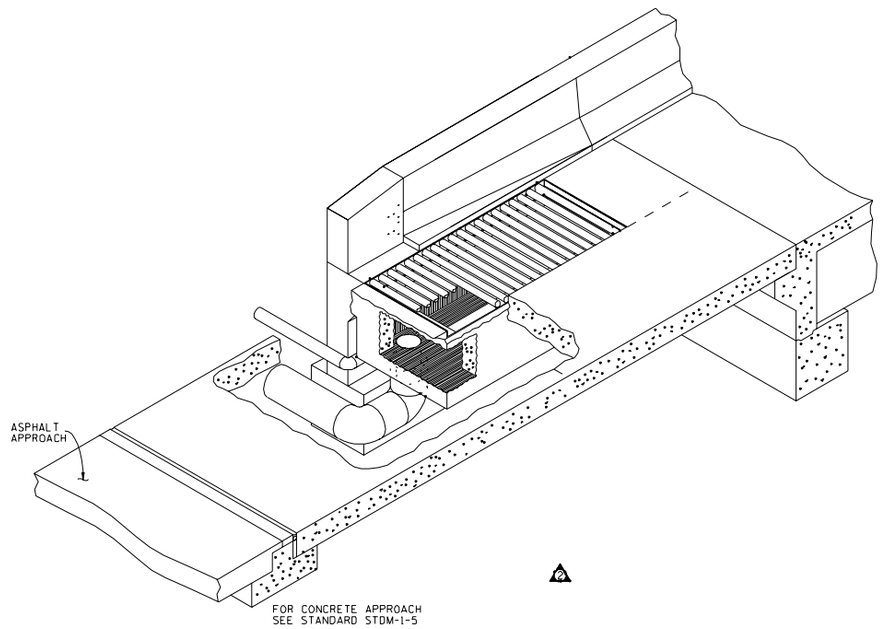
BRIDGE END DRAIN BOX	
CLASS "A" CONCRETE m^3	EPOXY COATED REINFORCING STEEL kg.
1.3	197

NOTE: THE COST OF THE GRATE AND 1.3 m^3 OF CLASS "A" CONCRETE, 197 kg 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
A1380E	DRAIN	13	20	2745
ER1980E	DRAIN	19	2	5185
HA1380E	DRAIN	13	8	2650
HA1381E	DRAIN	13	8	3055
H1380E	DRAIN	13	8	1830
H1381E	DRAIN	13	8	1675
T1380E	DRAIN	13	2	1735
Z1380E	DRAIN	13	28	1530





FOR CONCRETE APPROACH SEE STANDARD STDM-1-5

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

M/R MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE END DRAIN DETAILS 610 x 2620 & 1220 x 2620 WITH PAVEMENT AT BRIDGE ENDS 1996

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

BRIDGING METRIC REVISION

SHEET 6 OF 13
STDM-1-6