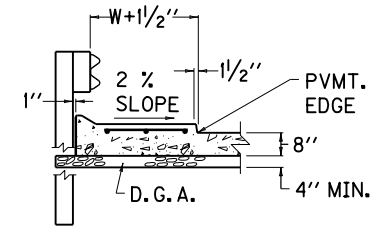
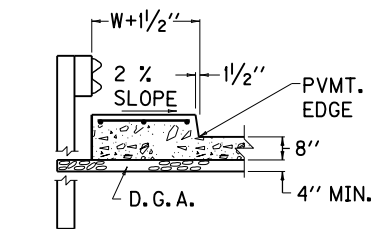


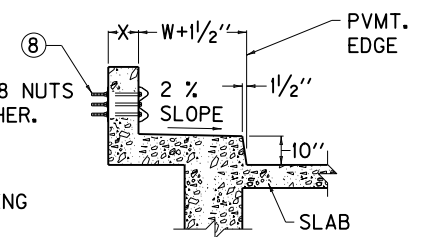
SECTION D-D



SECTION C-C



SECTION B-B



SECTION A-A (THRU BRIDGE)

- ③ 6'-4" WHEN L = 5'-0" (Z = 20'-4")
- ★ 11'-4" WHEN L = 10'-0" (Z = 15'-4")
- 16'-4" WHEN L = 15'-0" (Z = 10'-4")
- 21'-4" WHEN L = 20'-0" (Z = 5'-4")
- ★ 10'-0" LENGTH IS USED MOST FREQUENTLY.

- ⑧ CONNECT GUARDRAIL TO BRIDGE END WITH :
 4-7/8" (LTH. = "Z" PLUS 3") HEX HEAD BOLTS
 OR 4-7/8" (LENGTH = "Z" PLUS 4") STEEL
 THREADED RODS WITH 4 NUTS FOR THE BOLTS AND 8 NUTS
 FOR THE RODS AND WITH 8 FLAT WASHERS FOR EITHER.
 FORM 1" HOLES FOR THE 7/8" BOLTS WITH PLASTIC
 PIPE IN PROPOSED BRIDGE ENDS.
 DRILL 1" HOLES FOR THE 7/8" BOLTS THROUGH EXISTING
 BRIDGE ENDS.
 BOTH THE 7/8" BOLTS AND STEEL THREADED RODS SHALL
 HAVE A MINIMUM OF 50,000 LBS. TENSILE STRENGTH
 AT THEIR NARROWEST POINT.
 ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE
 WITH ASTM A153.

APPROXIMATE QUANTITIES

"W"	SIDEWALK RAMP	GUTTER PAVING	STEEL REINFORCEMENT	ISLAND INTERCAL CURB
	CUBIC YARDS	CLASS "A" CONC.	LBS.	LINEAR FEET
2'-6"	1.9	②	51	19'-6"
3'-0"	2.3		56	
3'-6"	2.7		61	
4'-0"	3.1		66	

~ NOTES ~

4. GUARDRAIL CONNECTOR TO BRIDGE END TYPE "D" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND SHALL INCLUDE TERMINAL SECTION NO. 2, EXTRA GUARDRAIL POST AND OFFSET BLOCKS, EXTRA GUARDRAIL, BRIDGE SIDEWALK RAMP (INCLUDING CLASS "A" CONCRETE, STEEL REINF. AND STRUCTURE EXCAVATION) ALL COMPLETELY INSTALLED.
5. THIS DRAWING DEPICTS GUARDRAIL CONNECTED TO A POST AT THE END OF THE BRIDGE. WHEN A BRIDGE WING EXTENDS BEYOND THE END OF THE BRIDGE, THE GUARDRAIL SHALL BE MOVED BACK AND CONNECTED IN A CORRESPONDING MANNER.
6. THE GUARDRAIL CONNECTOR TO BRIDGE END TYPE "D" SHALL BE APPLIED ON EACH END OF THE BRIDGE, WHERE A SIDEWALK EITHER EXISTS OR IS PROPOSED, ON THE STRUCTURE AND NOT ON THE ROADWAY. THIS IS ONLY APPLICABLE TO RURAL STRUCTURES THAT HAVE TWO DIRECTIONAL TRAFFIC WITH SIDEWALK.
7. SEE STANDARD DRAWING NO. **RBR-SERIES** (CURRENT EDITION) FOR ALL OTHER APPLICABLE MATERIAL AND CONSTRUCTION REQUIREMENTS.

BID ITEMS AND UNIT TO BID
 GUARDRAIL CONNECTOR TO BRIDGE END TY D EACH
 ISLAND INTEGRAL CURB (AS REQUIRED) LF
 DGA BASE (AS REQUIRED) TON
 CONCRETE-CLASS A (AS REQUIRED) CUYD
 CURB BOX INLET TYPE B (AS REQUIRED) EACH

USE WITH CUR. STD. DWG.
RDB-280

KENTUCKY DEPARTMENT OF HIGHWAYS		
GUARDRAIL CONNECTOR TO BRIDGE END TYPE "D"		
STANDARD DRAWING NO. RBC-004-07		
SUBMITTED	DATE	12-01-15
<small>DIRECTOR OF DESIGN</small>		
APPROVED	DATE	12-01-15
<small>STATE HIGHWAY ENGINEER</small>		