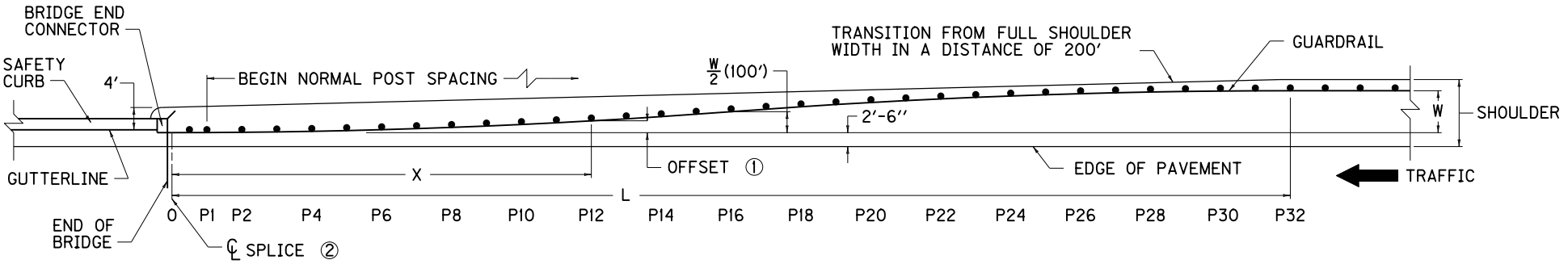
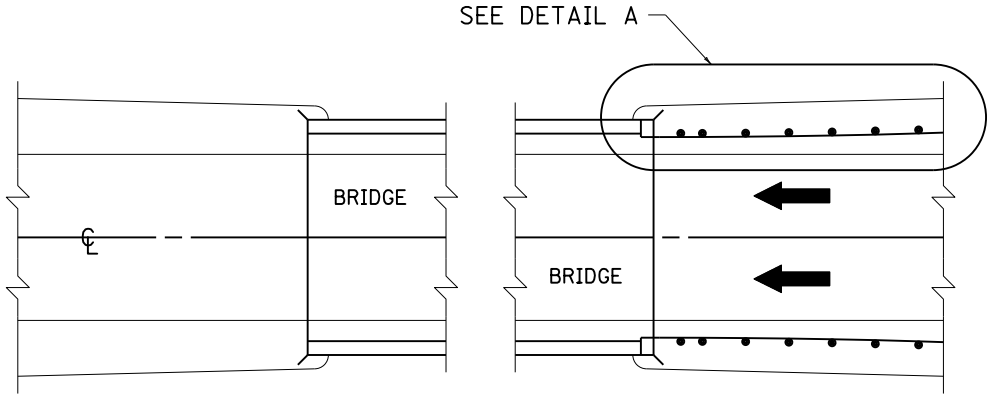


DETAIL A



PLAN VIEW

GUARDRAIL
FLARE DIMENSIONS

POST NUMBER	DISTANCE	OFFSET
	FEET	
0	0	0
P1	12.5	0.01
P2	12.5	0.06
P4	25.0	0.23
P6	37.5	0.53
P8	50.0	0.94
P10	62.5	1.46
P12	75.0	2.11
P14	87.5	2.87
P16	100.0	3.75
P18	112.5	4.63
P20	125.0	5.39
P22	137.5	6.04
P24	150.0	6.56
P26	162.5	6.97
P28	175.0	7.27
P30	187.5	7.44
P32	200.0	7.50

~ NOTES ~

① OFFSETS SHOWN ARE CALCULATED FROM FACE OF GUARDRAIL (TANGENT EXTENDED FROM BRIDGE). OFFSET DIMENSIONS SHOWN ARE FOR 12 FOOT SHOULDERS, WITH W EQUAL TO 7.5 FEET.

② DISTANCES ARE FROM CENTER LINE OF SPLICE. SEE CURRENT STANDARD DRAWING RBC-002 FOR DETAILS.

3. CALCULATIONS FROM 0 FEET TO 100 FEET ARE BASED ON THE FOLLOWING FORMULA: OFFSET = $\left(\frac{X}{L/2}\right)^2 X \frac{W}{2}$ FROM 100 FEET TO 200 FEET THE PROCEDURE IS AS FOLLOWS, FOR EXAMPLE AT P28: 7.5 FEET MINUS 0.23 FEET = 7.27 FEET, ETC.

4. THE ENGINEER SHALL USE THE OFFSET FORMULA AND CALCULATE OFFSETS NEEDED FOR FIELD CONDITIONS DIFFERENT THAN THAT SHOWN IN THE CHART.

USE WITH CUR. STD. DWG.
RBC-002

KENTUCKY
DEPARTMENT OF HIGHWAYS

GUARDRAIL TRANSITION FROM NORMAL SHOULDER TO NARROW BRIDGE

STANDARD DRAWING NO. RBB-010-05

SUBMITTED William S. Haddad DIRECTOR DIVISION OF DESIGN 12-01-15 DATE

APPROVED STATE HIGHWAY ENGINEER 12-01-15 DATE