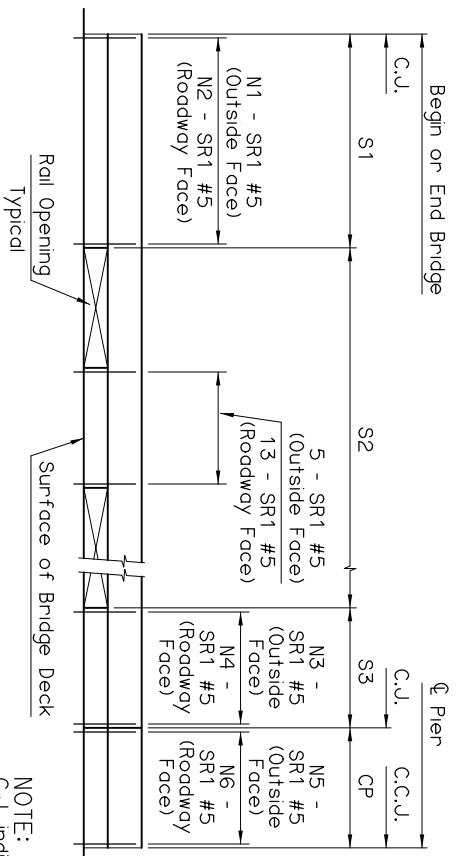
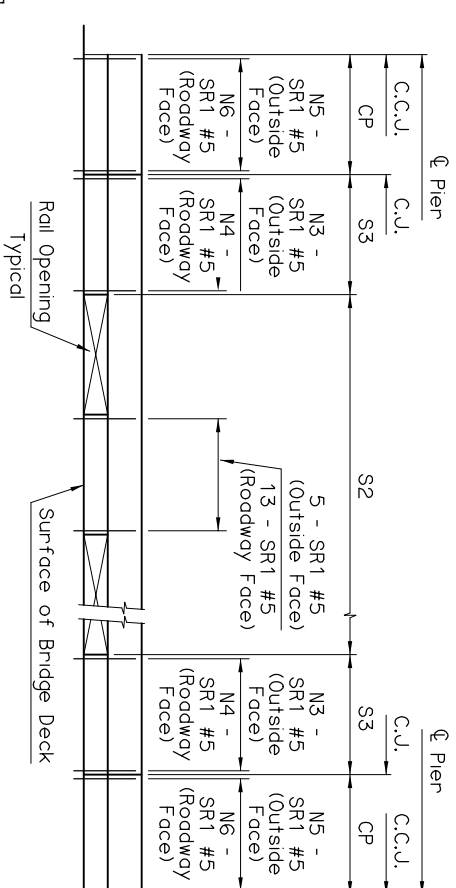


ABUTMENT TO ABUTMENT



ABUTMENT TO PIER



PIER TO PIER

NOTE:
 C.U. indicates a Construction Joint.
 C.C.U. indicates a Control Crack Joint.
 For additional detail of Concrete Traffic Rail, see Std. TR4-1.

TYPE IV P.C. BEAMS
 CONCRETE TRAFFIC RAIL WITH OPENINGS SCHEDULE

SPAN	ABUTMENT TO ABUTMENT		ABUTMENT TO PIER					PIER TO PIER											
	S1	S2	N1	N2	S3	N3	N4	CP	N5	N6	S2	S3	N3	N4	CP	N5	N6		
65'	5'-3"	11 Spa. @ 5'-0" = 55'-0"	6	14	9'-3"	9	24	9 Spa. @ 5'-0" = 45'-0"	5	13	6'-0"	6	15	7 Spa. @ 5'-0" = 35'-0"	9	23	6'-0"	6	15
70'	7'-9"	11 Spa. @ 5'-0" = 55'-0"	8	20	12'-0"	11	30	9 Spa. @ 5'-0" = 45'-0"	7	19	6'-0"	6	15	9 Spa. @ 5'-0" = 45'-0"	7	17	6'-0"	6	15
75'	5'-3"	13 Spa. @ 5'-0" = 65'-0"	6	14	9'-3"	9	24	11 Spa. @ 5'-0" = 55'-0"	5	13	6'-0"	6	15	9 Spa. @ 5'-0" = 45'-0"	9	23	6'-0"	6	15
80'	7'-9"	13 Spa. @ 5'-0" = 65'-0"	8	20	12'-0"	11	30	11 Spa. @ 5'-0" = 55'-0"	7	19	6'-0"	6	15	11 Spa. @ 5'-0" = 55'-0"	7	17	6'-0"	6	15
85'	5'-3"	15 Spa. @ 5'-0" = 75'-0"	6	14	9'-3"	9	24	13 Spa. @ 5'-0" = 65'-0"	5	13	6'-0"	6	15	11 Spa. @ 5'-0" = 55'-0"	9	23	6'-0"	6	15
90'	7'-9"	15 Spa. @ 5'-0" = 75'-0"	8	20	12'-0"	11	30	13 Spa. @ 5'-0" = 65'-0"	7	19	6'-0"	6	15	13 Spa. @ 5'-0" = 65'-0"	7	17	6'-0"	6	15
95'	5'-3"	17 Spa. @ 5'-0" = 85'-0"	6	14	9'-3"	9	24	15 Spa. @ 5'-0" = 75'-0"	5	13	6'-0"	6	15	13 Spa. @ 5'-0" = 65'-0"	9	23	6'-0"	6	15
100'	7'-9"	17 Spa. @ 5'-0" = 85'-0"	8	20	12'-0"	11	30	15 Spa. @ 5'-0" = 75'-0"	7	19	6'-0"	6	15	15 Spa. @ 5'-0" = 75'-0"	7	17	6'-0"	6	15

TYPE IV P.C. BEAMS
 CONCRETE TRAFFIC RAIL WITH OPENINGS SR1 BAR LIST

SPAN	EPOXY COATED REINFORCING			SPAN TYPE		
	MARK	SIZE	FORM LENGTH	ABUTMENT TO ABUTMENT	ABUTMENT TO PIER	PIER TO PIER
65'	SR1 #5	BNT.	4'-1"	260	288	320
70'	SR1 #5	BNT.	4'-1"	292	320	324
75'	SR1 #5	BNT.	4'-1"	296	324	356
80'	SR1 #5	BNT.	4'-1"	328	356	360
85'	SR1 #5	BNT.	4'-1"	332	360	392
90'	SR1 #5	BNT.	4'-1"	364	392	396
95'	SR1 #5	BNT.	4'-1"	368	396	428
100'	SR1 #5	BNT.	4'-1"	400	428	432

TYPE BT-72 AND TYPE J P.C. BEAMS
 CONCRETE TRAFFIC RAIL WITH OPENINGS SCHEDULE

SPAN	ABUTMENT TO ABUTMENT		ABUTMENT TO PIER					PIER TO PIER												
	S1	S2	N1	N2	S1	N1	N2	S2	S3	N3	N4	CP	N5	N6	S2	S3	N3	N4	CP	N5
95'	5'-3"	17 Spa. @ 5'-0" = 85'-0"	6	14	8'-3"	8	21	15 Spa. @ 5'-0" = 75'-0"	5	13	7'-0"	7	17	13 Spa. @ 5'-0" = 65'-0"	8	21	7'-0"	7	17	
100'	7'-9"	17 Spa. @ 5'-0" = 85'-0"	8	20	12'-0"	11	30	15 Spa. @ 5'-0" = 75'-0"	7	16	7'-0"	7	17	15 Spa. @ 5'-0" = 75'-0"	6	15	7'-0"	7	17	
105'	5'-3"	19 Spa. @ 5'-0" = 95'-0"	6	14	8'-3"	8	21	17 Spa. @ 5'-0" = 85'-0"	5	13	7'-0"	7	17	15 Spa. @ 5'-0" = 75'-0"	8	21	7'-0"	7	17	
110'	7'-9"	19 Spa. @ 5'-0" = 95'-0"	8	20	12'-0"	11	30	17 Spa. @ 5'-0" = 85'-0"	7	16	7'-0"	7	17	17 Spa. @ 5'-0" = 85'-0"	6	15	7'-0"	7	17	
115'	5'-3"	21 Spa. @ 5'-0" = 105'-0"	6	14	8'-3"	8	21	19 Spa. @ 5'-0" = 95'-0"	5	13	7'-0"	7	17	17 Spa. @ 5'-0" = 85'-0"	8	21	7'-0"	7	17	
120'	7'-9"	21 Spa. @ 5'-0" = 105'-0"	8	20	12'-0"	11	30	19 Spa. @ 5'-0" = 95'-0"	7	16	7'-0"	7	17	19 Spa. @ 5'-0" = 95'-0"	6	15	7'-0"	7	17	
125'	5'-3"	23 Spa. @ 5'-0" = 115'-0"	6	14	8'-3"	8	21	21 Spa. @ 5'-0" = 105'-0"	5	13	7'-0"	7	17	19 Spa. @ 5'-0" = 95'-0"	8	21	7'-0"	7	17	

TYPE BT-72 AND TYPE J P.C. BEAMS
 CONCRETE TRAFFIC RAIL WITH OPENINGS SR1 BAR LIST

SPAN	EPOXY COATED REINFORCING			SPAN TYPE		
	MARK	SIZE	FORM LENGTH	ABUTMENT TO ABUTMENT	ABUTMENT TO PIER	PIER TO PIER
95'	SR1 #5	BNT.	4'-1"	368	394	428
100'	SR1 #5	BNT.	4'-1"	400	428	432
105'	SR1 #5	BNT.	4'-1"	404	430	464
110'	SR1 #5	BNT.	4'-1"	436	464	468
115'	SR1 #5	BNT.	4'-1"	440	466	500
120'	SR1 #5	BNT.	4'-1"	472	500	504
125'	SR1 #5	BNT.	4'-1"	476	502	536

NOTE:
 For bar bend, see Std. TR4-1.

APPROVED BY BRIDGE ENGINEER *Cheryl Hester* DATE 10-10-05
 OKLAHOMA DEPT. OF TRANSPORTATION
 BRIDGE STANDARD (ENGLISH)
CONCRETE TRAFFIC RAIL WITH OPENINGS
TYPE IV, BT-72 AND J P.C. BEAMS
 INTEGRAL

1999 SPECIFICATIONS B40-I-TR4-0-PC45