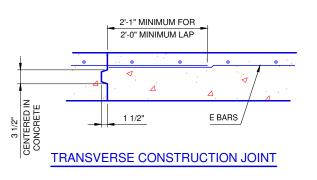
RCB-004

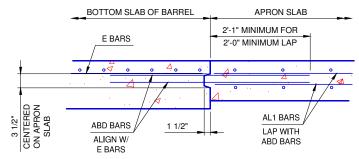
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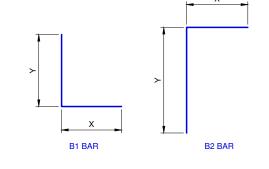
QUANTITIES		SECTION												RE	INFO	RC	IN	G STI	EEL									
	OOT OF RREL	DIMENSIONS					A1 BARS				B1 BARS						B2 BARS						E1 BARS AT 12" MAX.			E2 BARS AT 12" MAX.		
CONC. (C.Y.)	REINF. (LB.)	S	Н	Т	U	W	SIZE	SPA.	LENGTH	WEIGHT PER FT.	SIZE	SPA.	"X" (HORIZ.)	"Y" (VERT.)	LENGTH	WEIGHT PER FT.	SIZE	SPA.	"X" (HORIZ.)	"Y" (VERT.)	LENGTH	WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.	NO.	SIZE	WEIGHT PER FT.
0.66	88.1	7'	3'	10"	11"	7"	#6	6"	7'-10"	47.1	#4	12"	9"	2'-3"	3'-0"	4.0	#4	12"	9"	3'-8"	4'-5"	5.9	26	#5	27.1	6	#4	4.0
0.70	90.8	7'	4'	10"	11"	7"	#6	6"	7'-10"	47.1	#4	12"	9"	2'-3"	3'-0"	4.0	#4	12"	9"	4'-8"	5'-5"	7.2	26	#5	27.1	8	#4	5.3
0.79	107.0	7'	5'	10"	11"	8"	#6	6"	8'-0"	48.1	#4	6"	9"	2'-3"	3'-0"	8.0	#4	6"	9"	5'-8"	6'-5"	17.1	26	#5	27.1	10	#4	6.7
0.88	112.0	7'	6'	10"	11"	9"	#6	6"	8'-2"	49.1	#4	6"	9"	2'-3"	3'-0"	8.0	#4	6"	9"	6'-8"	7'-5"	19.8	26	#5	27.1	12	#4	8.0
0.99	117.0	7'	7'	10"	11"	10"	#6	6"	8'-4"	50.1	#4	6"	9"	2'-3"	3'-0"	8.0	#4	6"	9"	7'-8"	8'-5"	22.5	26	#5	27.1	14	#4	9.4
0.78	96.4	8'	3'	11"	12"	7"	#6	6"	8'-10"	53.1	#4	12"	9"	2'-4"	3'-1"	4.1	#4	12"	9"	3'-9"	4'-6"	6.0	28	#5	29.2	6	#4	4.0
0.82	99.1	8'	4'	11"	12"	7"	#6	6"	8'-10"	53.1	#4	12"	9"	2'-4"	3'-1"	4.1	#4	12"	9"	4'-9"	5'-6"	7.3	28	#5	29.2	8	#4	5.3
0.91	115.6	8'	5'	11"	12"	8"	#6	6"	9'-0"	54.1	#4	6"	9"	2'-4"	3'-1"	8.2	#4	6"	9"	5'-9"	6'-6"	17.4	28	#5	29.2	10	#4	6.7
1.01	120.6	8'	6'	11"	12"	9"	#6	6"	9'-2"	55.1	#4	6"	9"	2'-4"	3'-1"	8.2	#4	6"	9"	6'-9"	7'-6"	20.0	28	#5	29.2	12	#4	8.0
1.12	125.6	8'	7'	11"	12"	10"	#6	6"	9'-4"	56.1	#4	6"	9"	2'-4"	3'-1"	8.2	#4	6"	9"	7'-9"	8'-6"	22.7	28	#5	29.2	14	#4	9.4
1.18	150.9	8'	8'	11"	12"	10"	#6	6"	9'-4"	56.1	#5	6"	10"	2'-9"	3'-7"	14.9	#5	6"	10"	8'-9"	9'-7"	40.0	28	#5	29.2	16	#4	10.7

A AND B BARS ARE CENTERED PER L.F. OF BARREL LENGTH. FOR 0 SKEW END SECTIONS, ADJUST BAR QUANTITIES AS SHOWN ON END SECTION DETAILS, SHEET 2 OF 2. NO ADJUSTMENT IS REQUIRED FOR 30 DEGREE SKEW END SECTIONS.

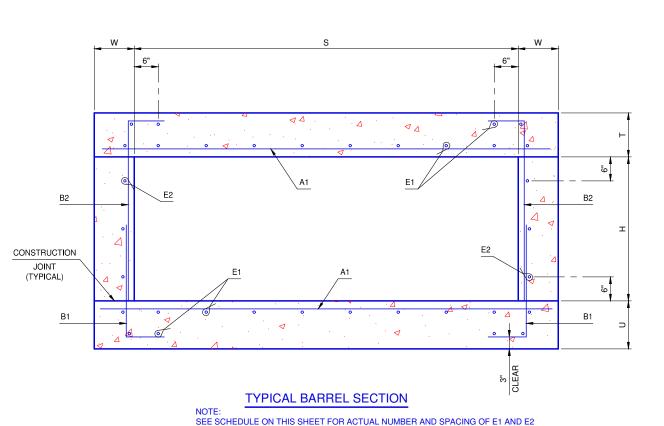
ВА	BASIS OF PAYMENT										
CODE	DESCRIPTION	UNIT									
404-00	STRUCTURAL CONCRETE	C.Y.									
411-00	REINFORCING STEEL	LBS.									
982	PIPE RAILING	L.F.									







CONSTRUCTION JOINT BETWEEN BARREL AND APRON



DESIGN DATA

H-20 TRUCK HS-20 TRUCK

CLASS AA CONCRETE f'c = 4 K.S.I.

REINFORCING STEEL fy = 60 K.S.I.

TYPE 3-3 (SPECIAL HAULING VEHICLE)

EV3 (TANDEM REAR AXLE EMERGENCY VEHICLE)

ANALYZED USING LOAD FACTOR DESIGN (LFD).

AASHTO MANUAL FOR BRIDGE EVALUATION, 3RD EDITION, 2018, WITH 2019 INTERIM REVISIONS

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

SHV NRL (SPECIAL HAULING VEHICLE NOTIONAL RATING LOAD) ALL LOAD VEHICLES LISTED, EXCEPT HL-93 AND OKLAHOMA DEPARTMENT OF TRANSPORTATION OVERLOAD TRUCK, WERE

HL-93 LOADING OR OKLAHOMA DEPARTMENT OF TRANSPORTATION OVERLOAD TRUCK

R.C.B. GENERAL NOTES

COMPLY WITH THE REQUIREMENTS OF THE CURRENT THE CITY OF OKLAHOMA CITY STANDARD SPECIFICATIONS.

PROVIDE A 1 1/2" CHAMFER ON ALL EXPOSED CONCRETE EDGES. USE SIZED LUMBER FOR ALL CHAMFER STRIPS.

PROVIDE 2" MINIMUM CLEAR COVER FOR ALL REINFORCING STEEL UNLESS NOTED OTHERWISE.

PLACE TRANSVERSE CONSTRUCTION JOINTS IN ALL CULVERTS 100 FT. OR MORE IN LENGTH AT A MAXIMUM SPACING OF 60 FT. SUBMIT LOCATIONS TO THE CITY ENGINEER FOR APPROVAL. SEE TRANSVERSE CONSTRUCTION JOINT DETAIL ON THIS SHEET.

THE QUANTITY FOR REINFORCING STEEL OF E1 AND E2 BARS DOES NOT INCLUDE LAP SPLICES IN THE LENGTH OF THE BARREL OR AT TRANSVERSE CONSTRUCTION JOINTS WITHIN THE BARREL. COSTS FOR SPLICES WILL NOT BE MEASURED FOR PAYMENT AND WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REINFORCING STEEL.

PIPE RAILING REQUIRED ON TOP OF HEADWALL AND WINGWALLS. SEE STD. RCB-015 PipeRailing.

PLACE WD AND ABD BARS FOR WINGWALLS AND APRON TIED TO BARREL REINFORCING BEFORE PLACING BARREL CONCRETE

REVISION NO. DATE