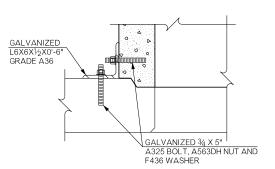
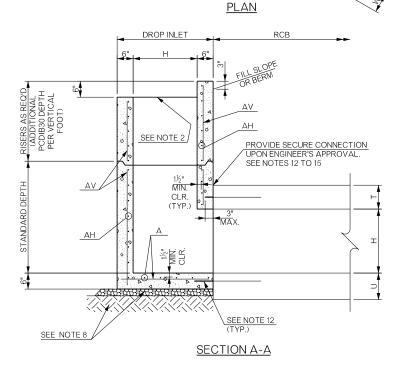


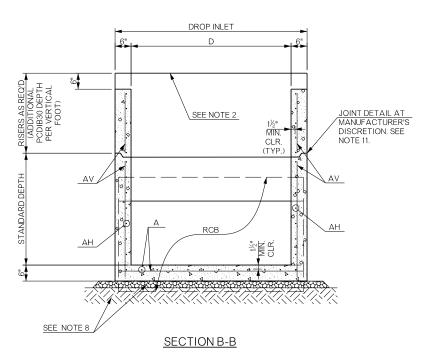
REINFORCING STEEL VALUES LISTED IN "SCHEDULE OF DIMENSIONS AND REINFORCING STEEL" ARE MINIMUM VALUES. STRUCTURES THAT PROVIDE VALUES LARGER THAN THOSE SHOWN WILL BE CONSIDERED ACCEPTABLE.



ALTERNATE ANCHORAGE DETAIL

CONNECTION ASSEMBLIES PLACED AT 18" MAX ALONG THE SPAN SIDES OF THE DROP INLET.
MINIMUM OF 2 CONNECTIONS PER SIDE.





			S	CHEDULE	OF [DIME	NSIC	NS A	ND F	REINF	ORC	CING	STEE	EL						
DESIGN NO.	BARREL DIMENSIONS		D	STANDARD DEPTH	A BARS (IN ² /FT)			AH BARS (IN ² /FT)											AV BARS (IN ² /FT)	
	SPAN HEIGHT				DEPTH			DEPTH LIPTOL L L L L L L L L L L L L L L L L L L												ALL DEPTHS TO 15'
	S	Н			5'	6'-10'	11'-15'	UP TO	4'-5'	5'-6'	6'-7'	7'-8'	8'-9'	9'-10'	10'-11'	11'-12'	12'-13'	13'-14'	14'-15'	10 15'
1	4'	2'	5'-0"	3'-6"	0.15	0.17	0.21	0.12 0.		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.11
2	4'	3'	5'-0"	4'-6"	0.19	0.23	0.30		0.14											0.11
3	4'	4'	5'-0"	5'-6"	0.23	0.28	0.36													0.11
4	5'	2'	6'-0"	3'-6"	0.13	0.16	0.20	- 0.16 0.			0.24	0.27	0.30	0.32	0.35	0.38	0.41	0.44	0.46	0.11
5	5'	3'	6'-0"	4'-6"	0.19	0.23	0.30		0.10	0.01										0.11
6	5'	4'	6'-0"	5'-6"	0.24	0.29	0.38		0.19	0.21										0.11
7	5'	5'	6'-0"	6'-6"	0.26	0.33	0.43													0.11

DESIGN DATA

MATERIAL:

CLASS A CONCRETE

f'c = 4 KSI fy = 60 KSI

REINFORCING STEEL

LOADING: HL-93

DESIGN:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION ASTM C890 ASTM C913

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- 2. FOR DETAILS OF GRATES SEE ROADWAY STANDARD CDIB30-2. COST OF GRATES SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.
- 3. THERE SHALL BE A MINIMUM VERTICAL DISTANCE OF 6 INCHES BETWEEN
- 4. PROVIDE LIFTING DEVICES IN CONFORMANCE WITH THE MANUFACTURER'S
- 5. PROVIDE GRADE 60 REINFORCING STEEL CONFORMING TO ASTM A615 OR EQUIVALENT AREA OF WELDED WIRE REINFORCING CONFORMING TO
- 6. PROVIDE A MINIMUM CLEAR COVER OF 1½ INCHES TO REINFORCING STEEL.
- 7. IF THE MANUFACTURER ELECTS TO USE WALLS OR SLABS WITH A THICKNESS OF 8 INCHES OR GREATER, THE WALLS OR SLABS WILL REQUIRE A SECONDARY LAYER OF REINFORCING STEEL. PROVIDE AN AREA OF REINFORCING STEEL EQUAL TO 0.11 IN²/FT EACH WAY IN THE SECONDARY LAYER.
- 8. THE FOUNDATION SHALL BE STABILIZED OR REMOVED AND REPLACED WITH FIRM AND STABLE FOUNDATION MATERIAL. A MINIMUM 3 INCH THICK LEVELING COURSE SHALL BE PROVIDED BELOW THE BASE AREA OF THE INLET AND EXTEND 6 INCHES BEYOND THE BASE AREA. THE LEVELING COURSE SHALL BE CONSTRUCTED WITH AGGREGATE BASE TYPE A. COSTS ASSOCIATED WITH THE FOUNDATION AND LEVELING COURSE SHALL BE INCLUDED IN THE PRICE BID OF THE STRUCTURE
- 9. FLEXURAL REINFORCING STEEL SHALL NOT EXCEED SPACING OF 6 INCHES, CENTER TO CENTER.
- 10. FOR T, U, AND W DIMENSIONS, SEE BRIDGE STANDARDS RCB CULVERT DRAWINGS.
- 11. SEAL JOINTS BETWEEN SUBASSEMBLIES WITH PREFORMED OR BULK MASTIC IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE A SOIL-TIGHT CONNECTION AND SEAL IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS. JOINT SEALING SHALL BE INCLUDED IN THE COST OF THE INLET.
- 12. PROVIDE A SECURE CONNECTION BETWEEN THE DROP INLET AND RCB SUCH AS A CONCRETE COLLAR OR MECHANICAL CONNECTION AS STATED IN NOTES 13 THROUGH 15. THE CONTRACTOR MAY PROVIDE AN ALTERNATIVE ANCHORAGE DETAIL, APPROVED BY THE ENGINEER, TO CONNECT THE DROP INLET TO THE RCB.
- 13. THE CONTRACTOR MAY PLACE A FORMED AND POURED CONCRETE COLLAR BETWEEN THE DROP INLET AND RCB. PIN THE CONCRETE COLLAR TO THE DROP INLET AND RCB AS APPROVED BY THE ENGINEER.
- 14. DRILL AND EMBED #4 BARS AT 18 INCHES IN ACCORDANCE WITH SECTION 509.04.(D3) OF THE STANDARD SPECIFICATIONS. INCLUDE ALL COSTS OF DRILLING, DOWELS, EPOXY ANCHORAGE SYSTEM AND INCIDENTALS IN THE COST OF THE
- 15. AN ALTERNATE ANCHORAGE DETAIL MAY BE USED IN LIEU OF DRILLING AND EMBEDDING #4 BARS. SECURE DROP INLETS TO THE RCB WITH ¾ INCH DIAMETER BOLTS, WASHERS, NUTS AND ANGLES OR PLATES. ALL HARDWARE SHALL BE GALVANIZED. INCLUDE ALL COSTS OF DRILLING, BOLTS, NUTS, WASHERS, ANGLES, PLATES, ANCHORAGE SYSTEM AND INCIDENTALS IN THE COST OF THE STRUCTURE SEE "ALTERNATE ANCHORAGE DETAIL"
- 16. MAXIMUM DEPTH OF DROP INLETS IS 15 FEET. ANY DROP INLET WHICH IS GREATER THAN 15 FEET IN DEPTH SHALL BE A SPECIAL DESIGN AS SHOW IN THE PLANS AND SHOULD NOT FOLLOW THIS STANDARD.
- 17. ALL MATERIALS AND LABOR INCLUDED IN COST OF PRECAST INLET.

BASIS OF PAYMENT							
ITEM NO.	ITEM	UNIT					
611(G)	PRECAST INLET (CDI 30SK RCB DES. ▲)	EA.					
611(H)	ADD'L DEPTH IN PRECAST INLET (CDI 30SK RCB DES. ▲)	VF					

▲ SPECIFY INLET DESIGN NUMBER

APPROVED BY ROADWAY ENGINEER

ROADWAY DESIGN DIVISION STANDARD

PRECAST CONCRETE DROP INLETS FOR 30 DEG. SKEW R.C. BOXES OKLAHOMA Transportation (4' x 2' TO 5' x 5')

2019 SPECIFICATIONS PCDIB30

R-54