

GENERAL NOTES

- The collar shall be constructed entirely of class SI concrete and in accordance with the applicable portions of section 503 of the Standard Specifications. Reinforcement bars shall conform to section 508.
- Expansion bolts shall consist of approved expansions anchors, and ³/₄" hook bolts which conform to Section 1006.09. These bolts shall extend at least 8" into the new concrete.
- This work will be paid for by the cubic yard for CONCRETE COLLAR, by the pound for REINFORCEMENT BARS, and by Each for EXPANSION BOLTS of the size indicated.

DIMENSIONS

FXIST	ING BOX				EACH COLLAR						
W H		A	В	Т	CL SI REINFORCEMEN		DRCEMENT	BARS	EXPANSION BOLTS		
					CU YD	X	Υ	POUNDS	NO.		
2	2	4'-0"	4'-0"	4	0.27	3'-4"	27.5	21	8		
3	2	5'-0"	4'-0"	4	0.32	4'-4"	27.5	24	8		
3	2.5	5'-0"	4'-6"	4	0.34	4'-4"	30.5	25	8		
3	3	5'-0"	5'-0"	4	0.36	4'-4"	33.5	26.5	8		
3	4	5'-2"	6'-2"	5	0.41	4'-6"	40.5	30	10		
4	3	6'-2"	5'-2"	5	0.41	5'-6"	34.5	30	10		
4	4	6'-2"	6'-2"	5	0.45	5'-6"	40.5	33	12		
4	5	6'-4"	7'-4"	6	0.51	5'-8"	3'-11.5"	36	14		
5	4	7'-4"	6'-4"	6	0.51	6'-8"	3'-5.5"	36	14		
5	5	7'-4"	7'-4"	6	0.55	6'-8"	3'-11.5"	39	16		
5	6	7'-6"	8'-6"	7	0.60	6'-10"	4'-6.5"	42.5	16		
6	4	8'-6"	6'-6"	7	0.56	7'-10"	3'-6.5"	40	14		
6	5	8'-6"	7'-6"	7	0.60	7'-10"	4'-0.5"	42.5	16		
6	6	8'-6"	8'-6"	7	0.64	7'-10"	4'-6.5"	45	16		
6	8	8'-8"	10'-8"	8	0.74	8'-0"	5'-7.5"	51.5	18		
8	8	10'-8"	10'-8"	8	0.82	10'-0"	5'-7.5"	57	20		

QUANTITIES					
CALC. BY:	DATE:				
CHECKED BY:	DATE:				
QUANTITY CALCULATIONS. FILE AT THE DISTRICT 4 OF BUREAU OF PROJECT IMPL	FICE;				

DOCUMENTATION SECTION

All dimensions are in inches unless otherwise noted.

USER NAME = Eric.Thomas	DESIGNED -	REVISED -		COLLAR FOR BOX CULVERT EXTENSIONS	F.A. RTE	SECTION	COUNTY	TOTAL SHE	ĒT
	DRAWN - REVISED -		STATE OF ILLINOIS	COLLAR FOR BOX COLVERT EXTENSIONS				OHEETO IV	\dashv
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			DISTRICT 4 DETAIL NO. 540001 CONTRAC			\neg
PLOT DATE = 12/7/2022	DATE -	REVISED -		SCALE: NOT TO SCALE SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AI	ID PROJECT		\neg

#4 U BAR FOUR REQUIRED PER COLLAR

SHT PLAN 1. IF USING A COLLAR SIZE NOT PROVIDED IN THE TABLE USE THE BLANK ROWS AT ME CHANNET ACADAMISE THE BLANK ROWS AT