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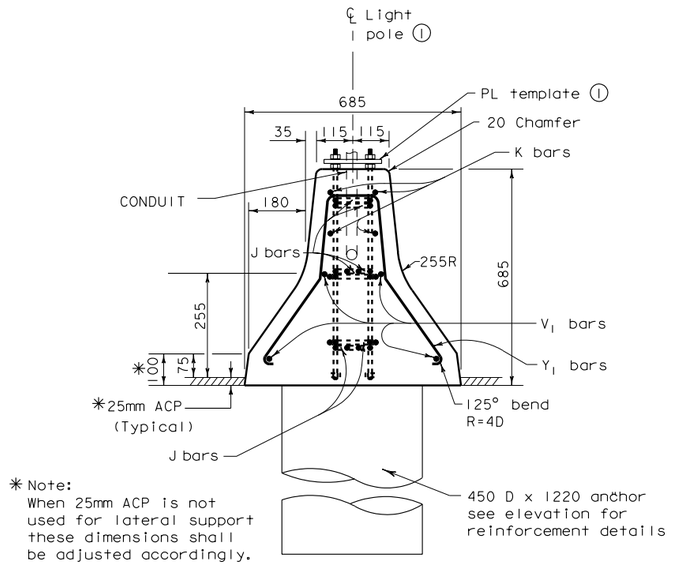
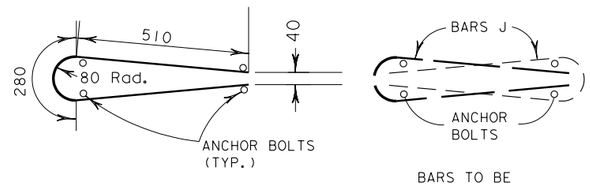
LEVELS DISPLAYED



SECTION AT LIGHT POLE

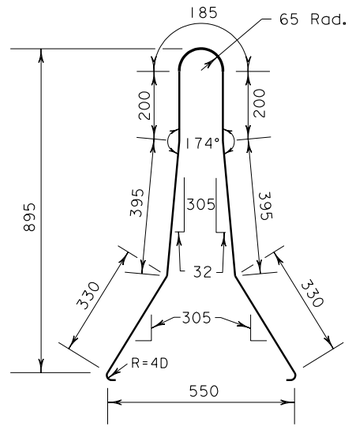
Symmetrical about center line

① For details of light pole, ground rod, template, conduit, and anchor bolt installation see sheet CTBI(4).

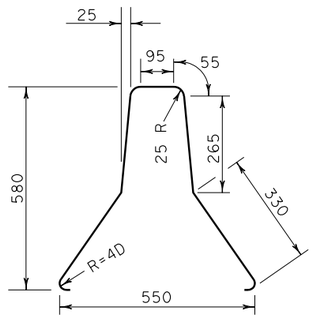


BARS J (#4)

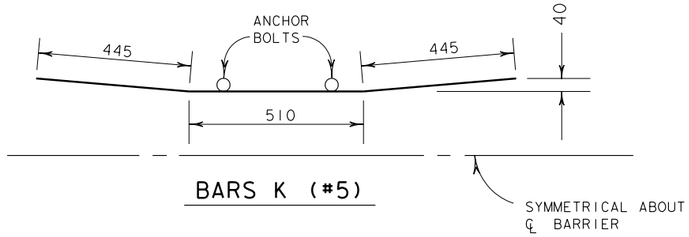
BARS TO BE PLACED IN PAIRS, AS SHOWN ABOVE.



BARS S_1 (#4)



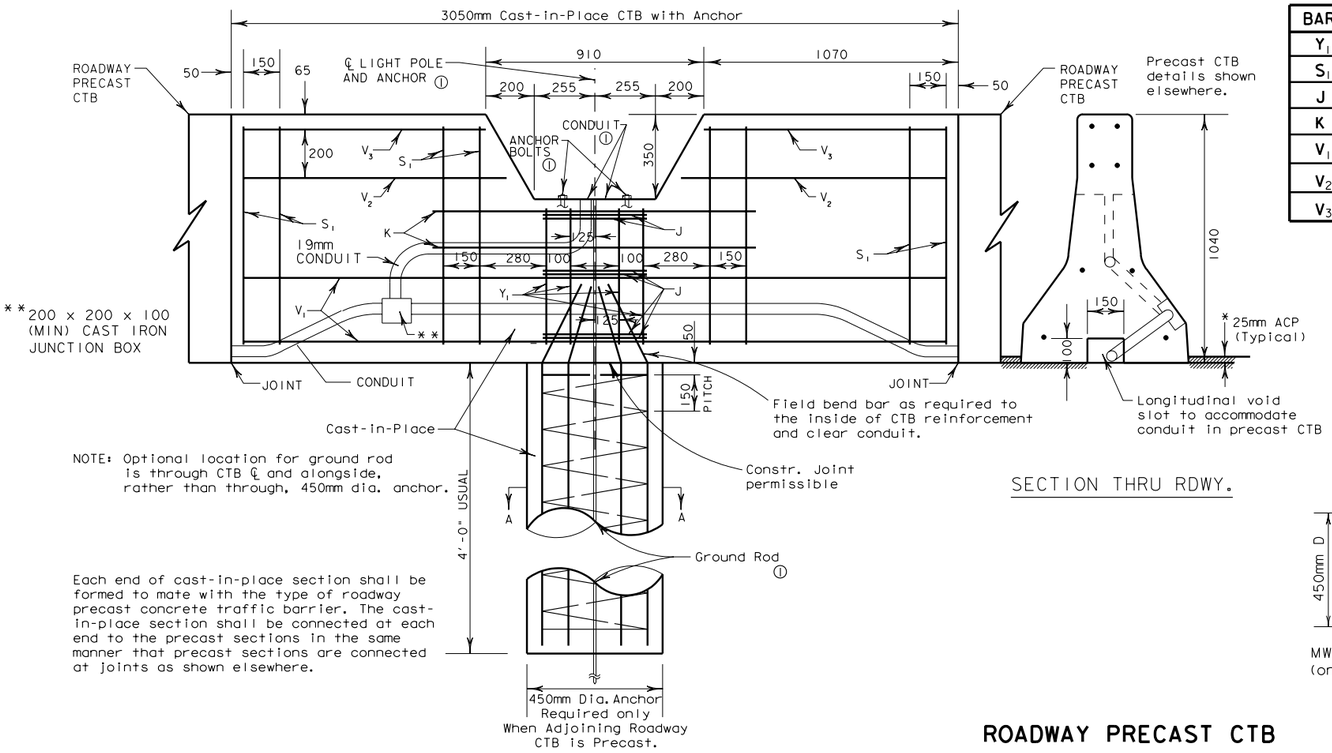
BARS Y_1 (#4)



BARS K (#5)

GENERAL NOTES

1. All concrete for Concrete Traffic Barrier (CTB), including anchor where required, shall be Class C or H.
2. Details for bridge CTB at light poles shown on sheet CTBI(1)(FW).
3. Anchor bolts, ground rods, drilled shaft anchor, junction box and rigid metal conduit when required shall not be paid for directly, but will be considered subsidiary to the various bid items.
4. Where roadway CTB is cast-in-place, 450mm diameter anchor is not required under barrier at light pole locations, and barrier shall be continuous (without open joint). Reinforcement of the CTB within 1525mm of the pole in either direction shall be as detailed hereon. Where roadway CTB is precast, 3050mm cast-in-place section with 450mm diameter anchor shall be provided as detailed hereon.
5. 19mm liquidtight flexible metal conduit may be used in lieu of 19mm rigid metal conduit from the junction box to luminaire pole base, except that 150mm of conduit before and all conduit after exiting the concrete shall be rigid metal. Liquidtight flexible metal conduit shall be approved for use as a grounding conductor. The total length of all liquidtight flexible metal conduit in any ground return path shall be a maximum of 1830mm. The conduit shall be terminated in fittings listed for grounding. Branch circuits for barrier mounted poles shall be on 60 amp breakers maximum.
6. Junction boxes shall be cast iron. See ED(1) standard for types.

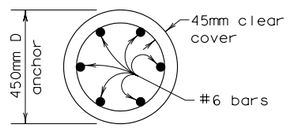


ELEVATION OF TREATMENT AT LIGHT POLE

SECTION THRU RDWY.

Schedule of reinforcement for each 3050mm foot cast-in-place section at light poles (excluding anchor)

BAR	SIZE	QUANTITY	LENGTH
Y_1	#4	4	AS DETAILED HEREON
S_1	#4	8	
J	#4	6	
K	#5	4	
V_1	#5	4	2945
V_2	#5	4	1120
V_3	#5	4	1015



MW 30 spiral at 150mm pitch (one flat turn top and bottom)

SECTION A-A

ROADWAY PRECAST CTB

R = Radius
D = Diameter

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Texas Department of Transportation
Design Division (Roadway)

CONCRETE TRAFFIC BARRIER TYPE 2

ROADWAY CTB AT LIGHT POLES

CTBI(3)-96(FW)(M)

FILE: CTBI3FWM.DGN	DN:	CK:	DW:	CK:	NEG:	
ORIG DATE:	DIST	FED REG	FEDERAL AID PROJECT #			SHEET
REVISIONS FW ADD 200mm HEIGHT		6				
	COUNTY			CONTROL	SECT	JOB	HIGHWAY

\public\metstd\ctbi3fwm.dgn