F. A. RTE.			COUNTY	TOTAL SMEETS	SH
				350	3
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FEO. ROAD DE	5T. NO. 7	TLLINOIS		FED. AND PROJECT	

NOTES:

- THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
- TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 300 (12) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
- 3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
- 4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
- 5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 50 (2) CLEARANCE.
- 6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
- 7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
- 8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
- 9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW

LESS THAN 24" VARIES 3.6 m (12'-0") TO 4.8 m (15'-0") (TYP,) VARIES 3.6 m (12'-0") TO 4.8 m (15'-0") (TYP.) 3 NO. 20 (6) DEFORMED BARS 450 (18) LONG INNER HOOP BAR TO EXTEND 75 (3) TYP. INTO GUTTER (TYP.) - SUITABLE QUARTER-CIRCULAR FORM CONTRACTION DOWEL BAR No. 25 (8) (ON ONE SIDE) 450 (18) LONG SUITABLE SEMI-CIRCULAR FORM OUTER HOOP 5 No. 20 (6) DEFORMED BARS 450 (18) LONG └ 75 (3) TYP. DETAIL D (USE WHEN FRAME AND GRATE AT DETAIL C CONSTRUCTION JOINT) SEE SAWED CONTRACTION JOINT (TYP.) (USE WHEN SEMI-CIRCLULAR FORM LESS THAN 600 (24) TO CONTRACTION JOINT) - SEMI-CIRCULAR NO. 20 (NO. 6) BAR PLACED @ PAVEMENT MIDPOINT NO. 15 (4) 300 (12") LONG BARS TO BE POUNDED INTO SUBGRADE AS CHAIRS MIN. 5 FOR OUTER HOOP INNER HOOP INNER HOOP MAY REST ON DOWEL BAR (TIE BAR AT LONGITUDINAL JOINT) BUT SHALL NOT INTERFERE IN THE ALIGNMENT. TRANSITION TAPER (3:1 TYP.) -LINNER PAVEMENT MAY BE SAW CUT OR EXPANSION JOINT WITH CURB & GUTTER 6 No. 20 (6) DEFORMED BARS EQUALLY SPACED DRILLED AND WITH 2 DOWEL BARS (TYP.) GROUTED IN PLACE 450 (18) LONG 75 (3) CLEARANCE (TYP.) ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED 0.6 m (2'-0'') MIN. TYP. ILLINOIS DEPARTMENT OF TRANSPORTATION 2 No. 15 1200 (48) LONG 2 No. 15 (4) 2.2 m (7'-0") TYP. ---- CASTING - SAW CUT OF DETAIL A DETAIL B ----- SUITABLE SEMI-CIRCULAR FORM -0.6 m RAD. (2'-0") TYP. PCC PAVEMENT ROUNDOUTS AT CURB & GUTTER FRAME & GRATE EXTENDING FRAME & GRATE EXTENDING TO MATCH ART ARBAS **CURB AND GUTTER** 150 (6) INTO PAVEMENT CIRCULAR JOINT. ±300 (12) INTO PAVEMENT TRANSITION CURB & AND GUTTER INTO PARKWAY (PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.) SCALE: NONE DATE 10/18/2002 REVISION DATE: 10/02/00

INNER HOOP

REINFORCEMENT DIAMETER

1.1 m (3'-6')

1.2 m (4'-0'')

FRAME EXTENSION

INTO PAVEMENT

UP TO 200 (8)

> 200 (8)

360 (14)

DESIGNER NOTE: THIS DETAIL IS TO BE USED

WHEN THE GUTTER FLAG IS

OUTER HOOP

REINFORCEMENT DIAMETER

1.5 m (5'-0")

1.5 m (5'-0")

SEMI CIRCULAR FORM

DIAMETER

1.2 m (4'-0")

1.4 m (4'-6")

DRAWN BY: TOM MATOUSEK CHECKED BY: A. ABBAS