F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	2004-072RS	COOK	54	43
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

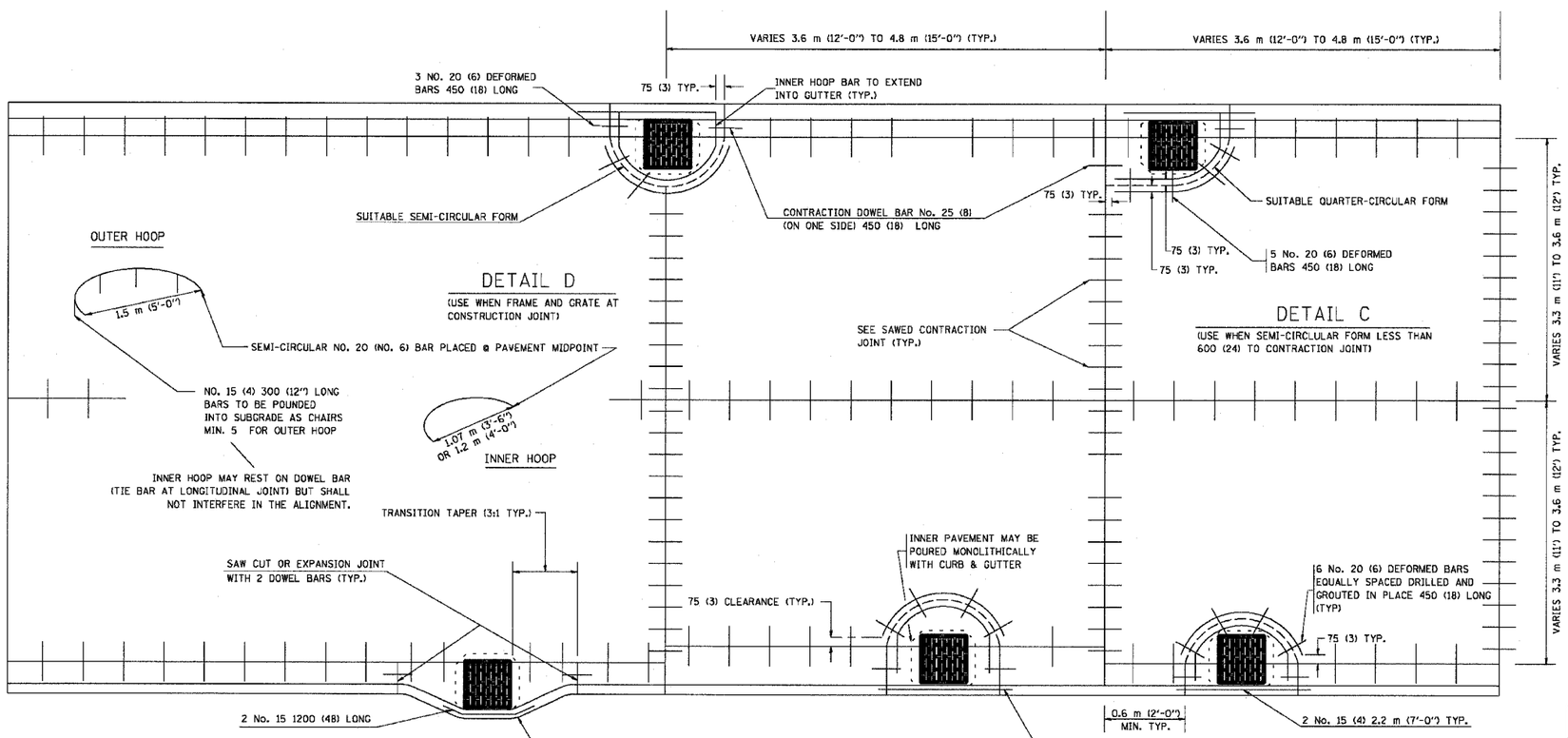
60811

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 200 (8)	1.1 m (3'-6")	1.2 m (4'-0")	1.5 m (5'-0")
> 200 (8) TO 360 (14)	1.2 m (4'-0")	1.4 m (4'-6")	1.5 m (5'-0")

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. 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 CONTRACTION MOVEMENT.

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"



DETAIL D
(USE WHEN FRAME AND GRATE AT CONSTRUCTION JOINT)

DETAIL C
(USE WHEN SEMI-CIRCULAR FORM LESS THAN 600 (24) TO CONTRACTION JOINT)

DETAIL A
FRAME & GRATE EXTENDING 150 (6) INTO PAVEMENT

DETAIL B
FRAME & GRATE EXTENDING ±300 (12) INTO PAVEMENT

TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)

LEGEND:
- - - - - - - - - CASTING
— — — — — — SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
ART ABBAS	01-04-99
T. MATOUSEK	08-28-00
T. MATOUSEK	10-02-00
T. MATOUSEK	04-25-02
P. LAFLEUR	08-27-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER

SCALE: NONE
DATE 10/18/2002

DRAWN BY: TOM MATOUSEK
CHECKED BY: A. ABBAS

BD-48

REVISION DATE: 10/02/00

DATE-TIME
DGN-SPEC
VI-BD48