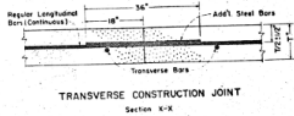
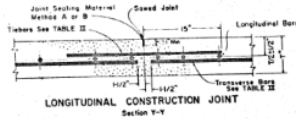


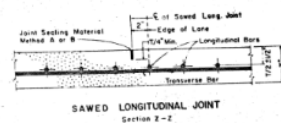
METHODS OF CONSTRUCTING TAPERED ENDS OF CONCRETE PAVEMENT



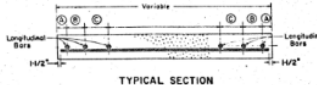
TRANSVERSE CONSTRUCTION JOINT
Section X-X



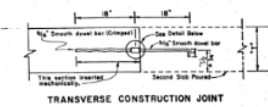
LONGITUDINAL CONSTRUCTION JOINT
Section Y-Y



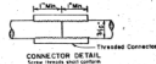
SAWED LONGITUDINAL JOINT
Section Z-Z



TYPICAL SECTION



TRANSVERSE CONSTRUCTION JOINT



NOTE: This threaded coupling is an optional feature for concrete construction joint. It is not shown in CPOR (DIST 5)-SPECIAL (1).

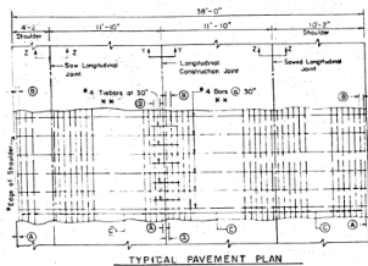
GENERAL NOTES

- NO EXPANSION JOINTS WILL BE USED EXCEPT AT STRUCTURE ENDS OR FIXED OBJECTS AS SHOWN ELSEWHERE IN THE PLANS.
- FOR FURTHER INFORMATION REGARDING THE PLACEMENT OF CONCRETE AND REINFORCEMENT, REFER TO THE SPECIFICATIONS FOR CONCRETE PAVEMENT.
- FOR DETAILS AS TO JOINT WIDTH & THICKNESS, REFER TO SHEET 106 AND TYPICAL SECTIONS.
- WITHIN ANY AREA LOCATED BY TWO FEET OF PAVEMENT LENGTH MEASURED PARALLEL TO THE CENTERLINE AND TYPICAL FEET OF PAVEMENT WIDTH MEASURED PERPENDICULAR TO THE PAVEMENT CENTERLINE, NOT MORE THAN ONE REGULAR LONGITUDINAL STEEL SHALL BE SPLICED.
- LONGITUDINAL AND TRANSVERSE ENDS SHALL BE STEEL CONFORMING TO ASTM A-615 OR ASTM A-616 (GRADE 60) AS NOTED IN THE SPECIFICATIONS.
- SPLICES SHALL BE A MINIMUM OF 24 TIMES THE NOMINAL DIAMETER OF THE BAR.
- BAR OF ANY DIAMETER, 1/2" OR 3/4", GRADE 60 STEEL SHALL NOT BE BENT. IF THE CONTRACTOR ELECTIONS TO BEND THE TIEBARS, THEY SHALL BE STEEL CONFORMING TO ASTM A-615, GRADE 60 AND SHOWN AS NOTED ON SHEET FOR TIEBARS.
- AT TRANSVERSE CONSTRUCTION JOINTS THE REGULAR LONGITUDINAL BARS SHALL EXTEND BEYOND THE JOINT SO THAT THE BAR SPLICES FOR THE REGULAR LONGITUDINAL BARS SHALL BE A MINIMUM OF FOUR FEET FROM THE CONSTRUCTION JOINT. AT LONGITUDINAL CONSTRUCTION JOINTS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR TRANSVERSE STEEL CONSTRUCTION. PROVISIONS WILL BE MADE FOR THE REGULAR TRANSVERSE STEEL AND PROPERLY REINFORCED JOINTS.
- WITH THE APPROVAL OF THE ENGINEER, MULTIPLE STEEL TIEBARS (TIEBARS) COULD BE USED ON OTHER ALTERNATE.
- THE DESIGNER DOES NOT GUARANTEE THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS.
- IN THE NORMAL PLACEMENT FOR THE TIEBARS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS.
- JOINT GROUPE AND LOCAL DETAILS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- LONGITUDINAL AND TRANSVERSE STEEL SPACING SHALL NOT VARY MORE THAN ONE-TENTH OF THE SPACING FROM DESIGN.
- JOINT GROUPE AND LOCAL DETAILS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- JOINT GROUPE AND LOCAL DETAILS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.

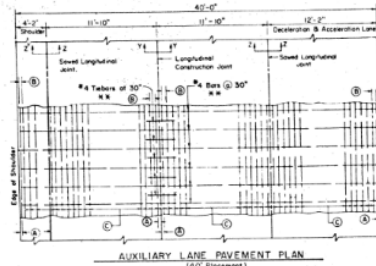
STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION
CONCRETE PAVEMENT DETAILS
CONTINUOUSLY REINFORCED

CPOR (DIST 5)-SPECIAL (1) 123

NO.	DATE	BY	CHKD.	APP'D.	REVISION
1	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
2	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
3	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
4	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77



TYPICAL PAVEMENT PLAN
(12' Placement)



AUXILIARY LANE PAVEMENT PLAN
(12' Placement)

TABLE 1 REGULAR LONGITUDINAL & TRANSVERSE CONSTRUCTION JOINT STEEL

Pavement Placement Thickness Width Feet	Longitudinal Steel Placement						Additional Steel at Transverse Construction Joint					
	Percent Steel	Bar Size	Spacing (inches)			No. of Bars	Weight (lbs/ft)	Bar Size	Length (inches)		No. of Bars	Weight (lbs/ft)
			(A)	(B)	(C)				Span 1	Span 2		
12 14 16 18 20 22	6	3	5.00	8.00	11	21.04	6	36	5	27.04		
	6	3	5.00	8.00	9	21.00	6	36	5	27.00		
	6	3	5.00	8.00	25	21.00	6	36	14	27.00		
	6	3	5.00	8.00	34	21.00	6	36	19	27.00		
	6	3	5.00	8.00	37	21.00	6	36	20	27.00		
	6	3	5.00	8.00	68	21.00	6	36	32	27.00		
24 26	6	3	5.00	8.00	81	21.04	6	36	34	133.00		

TABLE 2 TRANSVERSE & TIEBAR STEEL

TYPE OF PLACEMENT	CONC.	TRANSVERSE STEEL	TIEBAR STEEL (See Note 7 Sheet No. 123)	
			GRADE 60	GRADE 40
Two Lane (Type)	24	4	24	4
Two Lane with Shoulder	36	4	30	4
Two Lane with Single Shoulder	40	4	30	4
Two Lane with Double Shoulder	40	4	30	4
Two Lane with Double Shoulder & Concrete Barrier	40	4	30	4

NOTE: REGULAR LONGITUDINAL & TRANSVERSE CONSTRUCTION JOINT STEEL

THE SPACING (S) SHOWN IN THE ABOVE PLACEMENT TABLES ARE THE MINIMUM ALLOWABLE SPACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TIEBARS.

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION
CONCRETE PAVEMENT DETAILS
CONTINUOUSLY REINFORCED
WITH CONCRETE SHOULDERS

CPOR (DIST 5)-SPECIAL (2) 134

NO.	DATE	BY	CHKD.	APP'D.	REVISION
1	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
2	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
3	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77
4	12/1/77	W. J. HARRIS	W. J. HARRIS	W. J. HARRIS	12/1/77