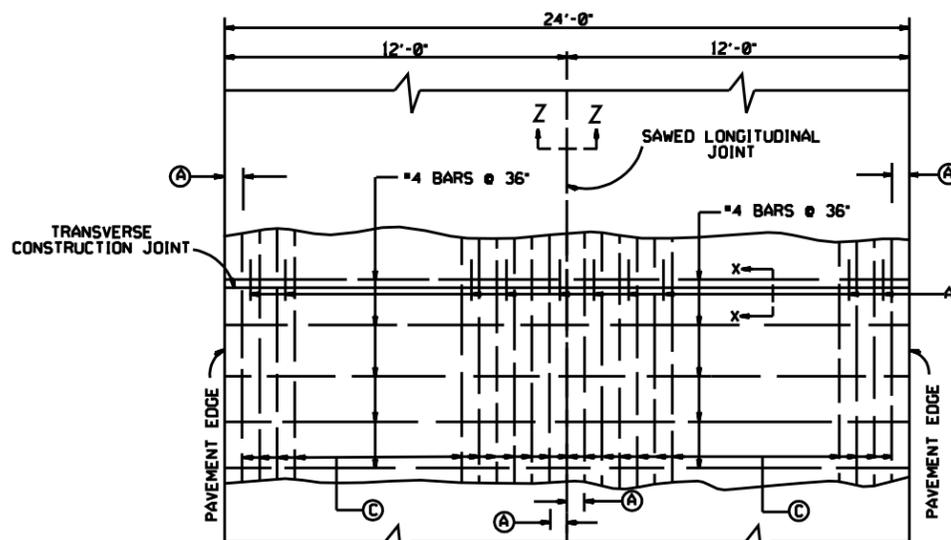
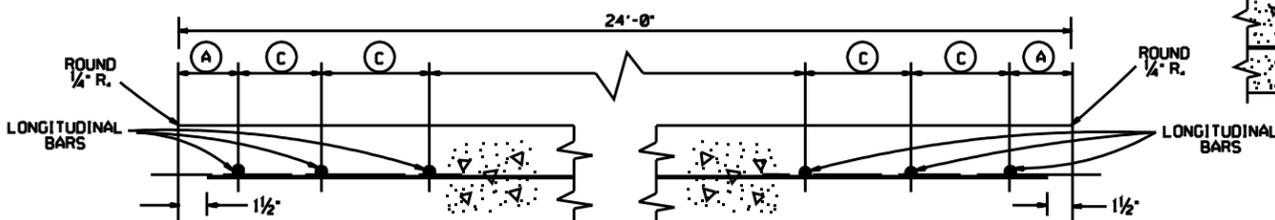


THREE LANE PAVEMENT PLAN
(12 FT. AND 24 FT. PLACEMENT) •



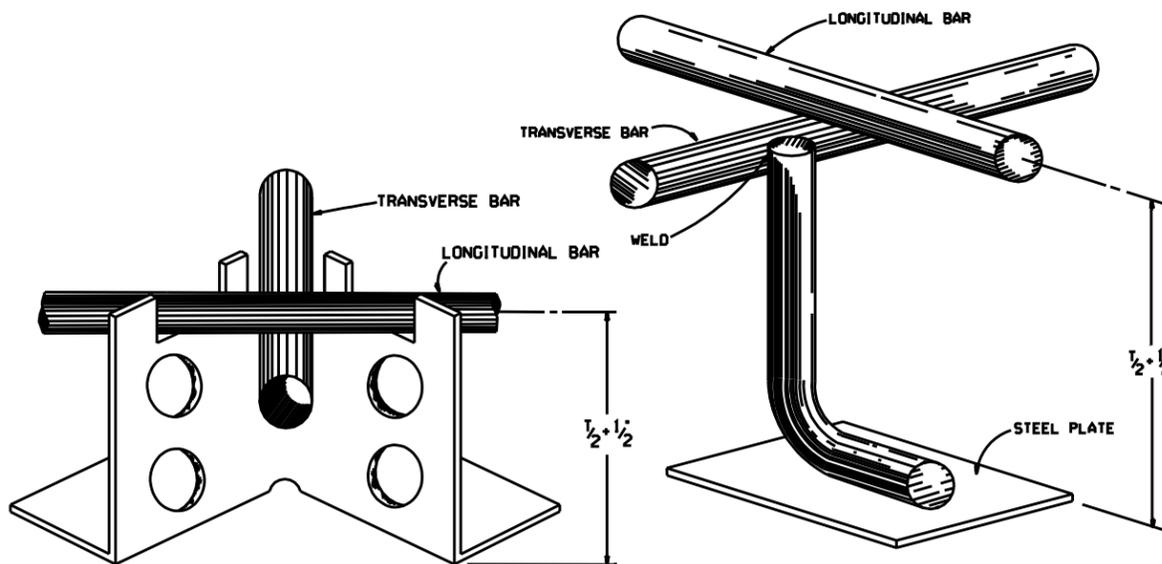
TWO LANE PAVEMENT PLAN
(24 FT. PLACEMENT) •



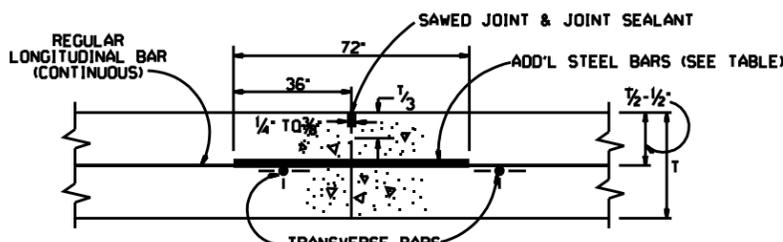
TYPICAL SECTION
(24 FT. PLACEMENT) •

• LANE WIDTHS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND SHOULD NOT BE USED IF IN CONFLICT WITH TYPICAL CROSS SECTIONS SHOWN ELSEWHERE IN THE PLANS.

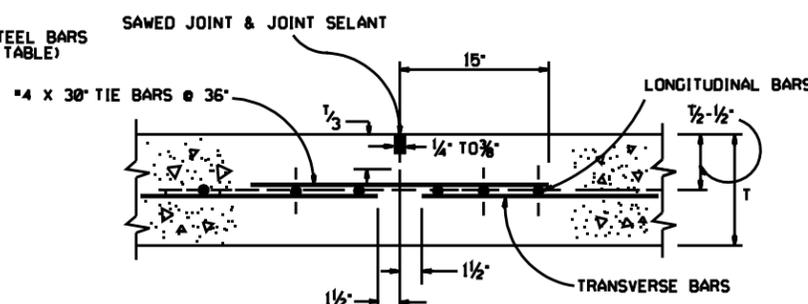
NOTE: FOR DIMENSIONS A & C SEE TABLE ON RT.



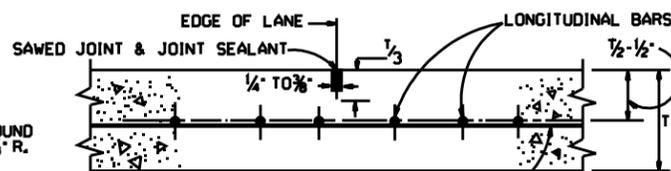
SUGGESTED CHAIR DETAILS



TRANSVERSE CONSTRUCTION JOINT SECTION X-X



LONGITUDINAL CONSTRUCTION JOINT SECTION Y-Y



SAWED LONGITUDINAL JOINT SECTION Z-Z
JOINT DETAILS

GENERAL NOTES

SAWED JOINT AND JOINT SEALANT FOR TRANSVERSE CONSTRUCTION JOINT, LONGITUDINAL CONSTRUCTION JOINT AND SAWED LONGITUDINAL JOINT SHALL CONFORM TO THE DETAILS SHOWN FOR SAWED LONGITUDINAL JOINT ON STANDARD DRAWING CPTJ-6A.

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 GOVERNING SPECIFICATIONS FOR "CONTINUOUSLY REINFORCED CONCRETE PAVEMENT."

FOR DETAILS OF PAVEMENT WIDTH, PAVEMENT THICKNESS AND THE CROWN CROSS-SLOPE REFER TO TYPICAL SECTIONS.

WITHIN ANY AREA BOUNDED BY TWO FEET PAVEMENT LENGTH, MEASURED PARALLEL TO THE CENTERLINE, AND TWELVE FEET OF PAVEMENT WIDTH, MEASURED PERPENDICULAR TO THE PAVEMENT CENTERLINE, NOT OVER 33% OF THE REGULAR LONGITUDINAL STEEL SHALL BE SPLICED.

MINIMUM SPLICE REQUIREMENT: 25 TIMES THE NOMINAL DIAMETER OF THE BAR OR 16 INCHES WHICHEVER IS LONGER.

AT TRANSVERSE CONSTRUCTION JOINTS THE REGULAR LONGITUDINAL BARS SHALL EXTEND EITHER SIDE OF THE JOINT SUCH THAT THE BAR SPLICES FOR THE REGULAR LONGITUDINAL BARS SHALL BE A MINIMUM OF FOUR FEET FROM THE CONSTRUCTION JOINT. AT LONGITUDINAL CONSTRUCTION JOINT, IF THE CONTRACTOR ELECTS TO CONTINUE THE REGULAR TRANSVERSE STEEL THROUGH THE JOINTS, THE #4 TIE BARS SHOWN HEREON MAY BE DELETED.

CHAIR DETAILS SHOWN HEREON ARE EXAMPLES ONLY; OTHER APPROVED TYPES WHICH WILL SATISFY THE REQUIREMENTS NOTED HEREIN, WILL BE PERMITTED. CHAIR SPACINGS SHALL NOT BE GREATER THAN 36" C-C (LONGITUDINAL) AND 48" C-C (TRANSVERSE). ADDITIONAL CHAIRS SHALL BE USED IF NECESSARY TO MEET PLACEMENT REQUIREMENTS.

AT ALL LAP SPLICES OCCURRING WITHIN 8 FEET BEYOND THE CONSTRUCTION JOINTS, IN THE DIRECTION OF PAVING AND 4 FEET BACK OF THE CONSTRUCTION JOINTS, THE LENGTH OF LAP SHALL BE DOUBLE THAT NORMALLY SPECIFIED OR EACH SPLICE SHALL BE STRENGTHENED BY SPLICING IN, SYMMETRICALLY WITH THE LAP, A 6 FOOT LENGTH OF DEFORMED BAR OF THE SAME NOMINAL SIZE AS THE LONGITUDINAL REINFORCEMENT.

TABLE OF EQUIVALENT LONGITUDINAL REINFORCEMENT

PAVEMENT THICKNESS INCHES	BAR SIZE	24'-0" PLACEMENT WIDTH			12'-0" PLACEMENT WIDTH			ADD'L STEEL @ TRANS. CONSTR. JOINT					
		SPACING (C-C)		BARS PER PLACE-MENT	SPACING (C-C)		BARS PER PLACE-MENT	STEEL		AVG. SPACING INCHES	NO. PER LANE	WEIGHT LBS. PER FOOT	
		A	C		A	C		STEEL (1) LBS./SO. YD.	STEEL (2) LBS./SO. YD.				SIZE
6	#5	5 1/2	7	40	5 1/2	7	20	18.26	27.95	3/8" x 72"	14	10	5.22
8	#6	4 1/2	7 1/2	38	4 1/2	7 1/2	19	24.41	27.95	3/8" x 72"	15	10	7.51
9	#6	3 3/4	6 1/2	44	3 3/4	6 1/2	22	27.95	27.95	3/8" x 72"	13	11	8.26
10	#7	4	8 1/2	34	4	8 1/2	17	29.51	27.95	3/8" x 72"	17	8	8.18
11	#7	4 1/2	7 1/2	38	4 1/2	7 1/2	19	32.75	27.95	3/8" x 72"	15	10	10.22
12	#7	5 1/2	7	40	5 1/2	7	20	34.37	27.95	3/8" x 72"	14	10	10.22

NOTE: WHERE THE PROPOSED PLACEMENT WIDTHS VARY FROM THE BASIC DESIGN WIDTH SHOWN, THE SPACING 'A' AND THE ADJACENT SPACING 'C' SHALL BE ADJUSTED TO ACCOMMODATE A REINFORCEMENT ARRANGEMENT EQUAL TO OR SLIGHTLY HEAVIER THAN THAT SHOWN AS DIRECTED BY THE ENGINEER.

- ① INCLUDES BOTH REGULAR LONGITUDINAL AND TRANSVERSE BARS, BASED UPON 1 FOOT PAVEMENT FOR THE WIDTH INDICATED. ALL TRANSVERSE STEEL IS #4 BARS AT 36" CENTERS. FOR ESTIMATING PURPOSES IT IS ASSUMED THAT LONGITUDINAL BARS ARE SPLICED AT 32' INTERVALS.
- ② THIS SHALL BE THE MINIMUM NUMBER OF ADDITIONAL STEEL BARS TO BE PLACED PER LANE. THE SPACING OF THE ADDITIONAL STEEL BARS SHALL BE VARIED AS DIRECTED IN ORDER TO PROVIDE A MINIMUM CLEARANCE OF 2 1/2" FROM EACH REGULAR LONGITUDINAL REINFORCING BAR.

10-18-96	CORRECTED SPELLING	
10-1-92	REVISED REINFORCING	
8-15-91	REV. A SPACING FOR 24' PAV'T.	
3-23-89	ALTERED SAWED JOINT & ADDED GEN. NOTES	
11-3-86	DIMEN'S. OF LONG. JTS.	
1-4-83	DEPTH OF SAWED TRANSVERSE	
	CONST. JOINT	
9-15-78	53 TO 52 #4 BARS (24' PL.)	
10-2-72	REVISED AND REDRAWN	
DATE	REVISION	DATE FILMED

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE PAVEMENT DETAILS
CONTINUOUSLY REINFORCED

STANDARD DRAWING CPR-1