





- (A) FOR PAYEMENTS 13' OR GREATER IN THICKNESS, TWO LAYERS OF LONGITUDINAL AND THANKFORS STEEL SHALL BE USED. WHEN THE "DOUBLE STRIKE-OFF" PROCEDERS 15 MOST OSSES CHAIRS OF USERS AND THE STRIKE OFF TOTAL LAYERS OF STEEL, AS STRONG IN THE SHALL ABOVE. THE SPACINGS SHOWN FOR THESE THICKNESSES AND FOR EACH LAYER.
- ADDITIONAL STEEL AT THE TRANSVERSE CONSTRUCTION JOINTS SHALL BE BARS OF BOUAL DIAMETER, AND A SPACING OF DOUBLE THAT SPECIFIED FOR THE LONGITUDINAL BARE LAWFER (19) THICKNESS. THE LEBOTH OF THE BARS SHALL BE 66 TIMES THE
- TRANSVERSE TIEBARS AT THE LONGITUDINAL CONSTRUCTION JOINTS SHALL BE REAS OF EQUAL DIAMETER AND SPACING TO THOSE SPECIFIED FOR THE TRANSVERSE STEEL OF THE GUERN THICKNESS. THE LENGTH OF THE BARS SHALL DE 66 TIMES THE DAM
- PAYEMENT WIDTHS IN EXCESS OF 16' SHALL BE PROVIDED WITH A LONGITUDINAL JOINT LINES UNLESS SHORE LESEMERE ON THE PLANE.

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- T) IF SILICEOUS GRAVEL IS USED AS A COARSE AGGREGATE, THE SAW OUT DEPTH FOR LONGITUDINAL CONTRACTION JOINTS SHALL BE 173.
- (a) THE MARRIER OF MAIN SEQUENCE FOR THE VARIOUS PLACEMENT WIDTHS INDICATED IN THE MARRIER OF MAIN SEQUENCE FOR THE VARIOUS PLACEMENT WITH AN OVERMON "A", "A" SPACING DOUBLE SETTING 3" AND 4". OUR THE MAIN SETTING STAND ST

## GENERAL NOTES

- I. NO EXPANSION JOINTS WILL BE USED EXCEPT AT STRUCTURE ENDS OR FIXED OBJECTS AS SHOWN ELSEWHERE IN THE PLANS.
- LONGITUDINAL AND TRANSVERSE BARS SHALL BE DEFORMED STEEL COMFORMING TO ASTM A-GIS OR ASTM A-GIG (GRADE GO) AS MOTED IN THE STANDARD SPECIFICATIONS.
- FOR FURTHER INFORMATION RECARDING THE PLACEMENT OF CONCRETE AND REINFORCE-MENT, REFER TO THE GOVERNING SPECIFICATIONS FOR "CONCRETE PAYEMENT".
- DETAILS AS TO PAVEMENT WIDTH, PAVEMENT THICKNESS AND THE CROWN CROSS-SLOPE SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- THE LONGITUDINAL STEEL SHALL BE PLACED AT THE VERTICAL SLAB CENTER WITH A TOLERANCE OF 1/2 INCH. TRANSVERSE STEEL SHALL BE PLACED DIRECTLY ABOVE OR BELOW THE LONGITUDINAL STEEL.
- SPLICES SHALL BE A MINIMUM OF 33 TIMES THE NOMINAL STEEL DIAMETER ("D")
- BARS THAT REQUIRE BENDING SHALL BE CRADE 40 STEEL CONFORMING TO REQUIRE-MENTS OF ASTM DESIGNATION A 415, SPACINGS FOR GRADE 40 STEEL SHALL BE 2/3 OF THAT SPECIFIED FOR GRADE 40 STEEL.
- THE RECULAR LONGITUDINAL STEEL AT TRANSVERSE CONSTRUCTION JOINTS SHALL EXTEND A MINIMUM OF FOUR FEET ON EITHER SIDE OF THE JOINT.
- VIBRATION WITH HAND-MANIPULATED WECHANICAL VIBRATORS WILL BE REQUIRED ADJACENT TO ALL TRANSVERSE CONSTRUCTION JOINTS.
- THE CHAIRS USED TO SUPPORT THE STEEL SHALL BE OF SUFFICIENT STRUCTURAL QUALITY AND NUMBER TO MOLD THE STEEL MAT WITHIN THE PLACEMENT HEIGHT TOLEMANCES. CHAIRS SHALL BE OF A TIPE APPROVED BY THE ENGINEER
- TREMACES. CHAINS DALL BE OF A THE APPROVED BY THE EMBERGE.

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- IF WIDTHS OCCUR. THAT ARE OTHER THAN THE TYPICAL WIDTHS SHOWN, INDIVIDUAL BARS OF THE SIZE SPECIFIED HERON MAY BE ADDED OR REMOVED TO GRTAIN THE APPROPRIATE WIDTH. SPACING REQUIREMENTS SHALL NOT BE EXCEDED, HOWEVER,
- WHEN WACHINE-PLACING OF STEEL REINFORCEMENT IS USED, THE USE OF CHAIRS SHALL NOT BE REQUIRED, AND THE TRANSVERSE STEEL MAY BE PLACED ABOVE OR BELOW THE LONG TICH PINE. STEEL.

	TWO LA	
T (In-2	TOP STEEL	STEEL
13	6.5	3
14	7.5	4 -
15	8	4.5

SPAÇING	NUMBER OF BARS® REQUIRED FOR VARIOUS TYPICAL PLACEMENT WIDTHS (++.)							
(In.)	12	16	2.2	24	27	34	38	
6	24	32	64	46	54	68	76	
7	21	27	3.8	41	46	58	65	
7.5	19	26	35	36	43	54	61	
8.5	17	23	31	34	36	48	54	
9	16	21	29	32	36	45	51	
9.5	15	20	28	30	34	43	48	
10.5	14	18	25	27	31	39	63	



TEXAS DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DETAILS

CONTINUOUSLY REINFORCED STEEL BARS

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