

CONSTRUCTION

TYPICAL LONGITUDINAL SECTION

WARPING

CONTRACTION

WARPING

WARPING

CONTRACTION

TYPICAL SECTION OF PAVEMENT

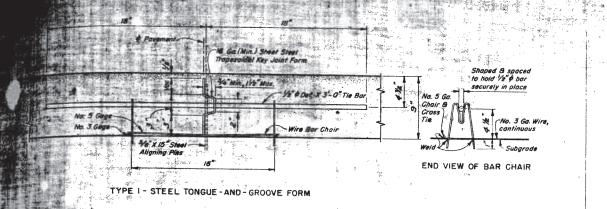
ON SUPERELEVATED AND WIDENED CURVES

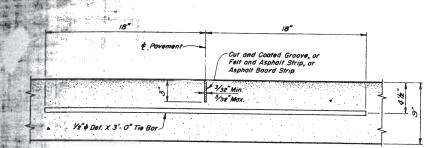
Pavement on all curves shall be superelevoted and widened as indicated on the governing Departmental Curve Standards.

24'-0" PAVEMENT

DESIGN NO. 46

APPROVED.	DIST. NO.	STATE	5,516		ID PROJEC	
ENGINEER OF ROAD DESIGN.	6	TEXAS	F/01		1)	
	STATE DIST. NO.	co	UNTY	ton Philips and	\$467 WE	
	18	DAL	LAS	34	3	

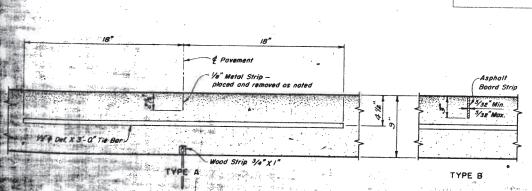




TYPE 2 - MACHINE CUT GROOVE

shall be cut by an approved machine and the vertical faces of the concrete coated with an species study to the Volume of Volume of

ALTERNATE TYPES OF LONGITUDINAL JOINTS

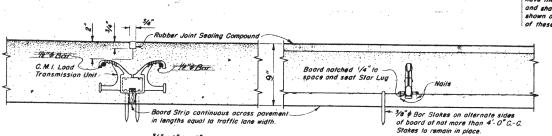


re midth of pavement, and shall be securely fastened to the subgrade by 40-penny of the A south or commons not want to parament, and around a southern relation, ofter screening, by means of an finishing meaning shall pass over the joint area offer installing the bare...

The surface of concrete directly over most strip and insert metal strip after screening and in advance of the surface of concrete directly over most strip and insert metal strip after screening and in advance of the surface of concrete directly over most strip and insert metal strip after screening and in advance of

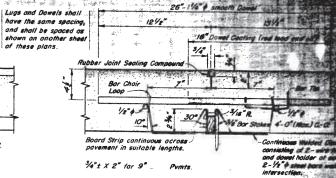
ius metal shield, shall be placed continuously in a groove cut by on

CTERNATE TYPES OF TRANSVERSE WARPING



Pavements

CAST MALLEABLE IRON CANTILEVER TYPE LOAD TRANSMISSION UNIT 0 -I4 "STAR LUG" as manufactured by Texas Foundries, Lufkin, Texas, or equal Load Transmission Unit



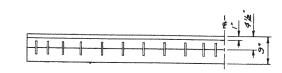
1 4 ROUND STEEL BAR DOWEL

ALTERNATE TYPES OF TRANSVERSE CONTRACTION JOINTS

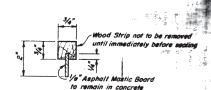


INSTALLING PIN FOR EXPANSION JOINT

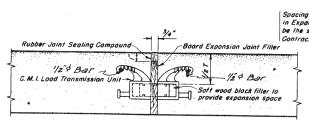
Board Joint Filler of specified lype shall be secured on subgrade in exact position and line as illustrated or by other approved device. Plns shall be removed ofter possage of finishing machine, then pavement resurfaced by second pass of finishing machine. After second passage of finishing machine empaye concrete to "below top of board and noil 3/4×7/2" wood strip to top of board filler to farm joint seal space. Replace concrete and finish with langitudinal float. The wood top strip shall not be removed until immediately prior to paving joint seal



ELEVATION OF BOARD STRIP FOR EXPANSION JOINT WITH C.M.I. LOAD TRANSMISSION UNITS

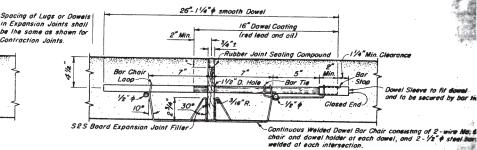


CONTRACTION JOINT SEAL FORM



CAST MALLEABLE IRON CANTILEVER TYPE LOAD TRANSMISSION UNIT

D-13 "STAR LUG" as manufactured by Texas Foundries, Lufkin, Texas



11/4" ROUND STEEL BAR DOWEL

ALTERNATE TYPES OF TRANSVERSE EXPANSION JOINTS

GENERAL NOTES

Either of the alternate types of Joints shown by these details may be constructed, at the option of the Contractor. If the Contractor desires to use any other alternate device, he shall, prior to its use, secure its approval by the Engineer.

Load Transmission Units or Dowels shall be secured parallel to the pavement surface and center line. All Joints, including all materials, devices, and work required shall be considered subsidiary wark and shall be included in the unit price bid for "Concrete Pavement." No direct payment will be made for any shall be included in the unit price pid for Concrete Pavement. No affect payment will be nature for a material, bar chair, steel, or any other device shawn, nor for its installation.

"I" indicates center depth of thickened-edge pavements or depth of uniform pavements.

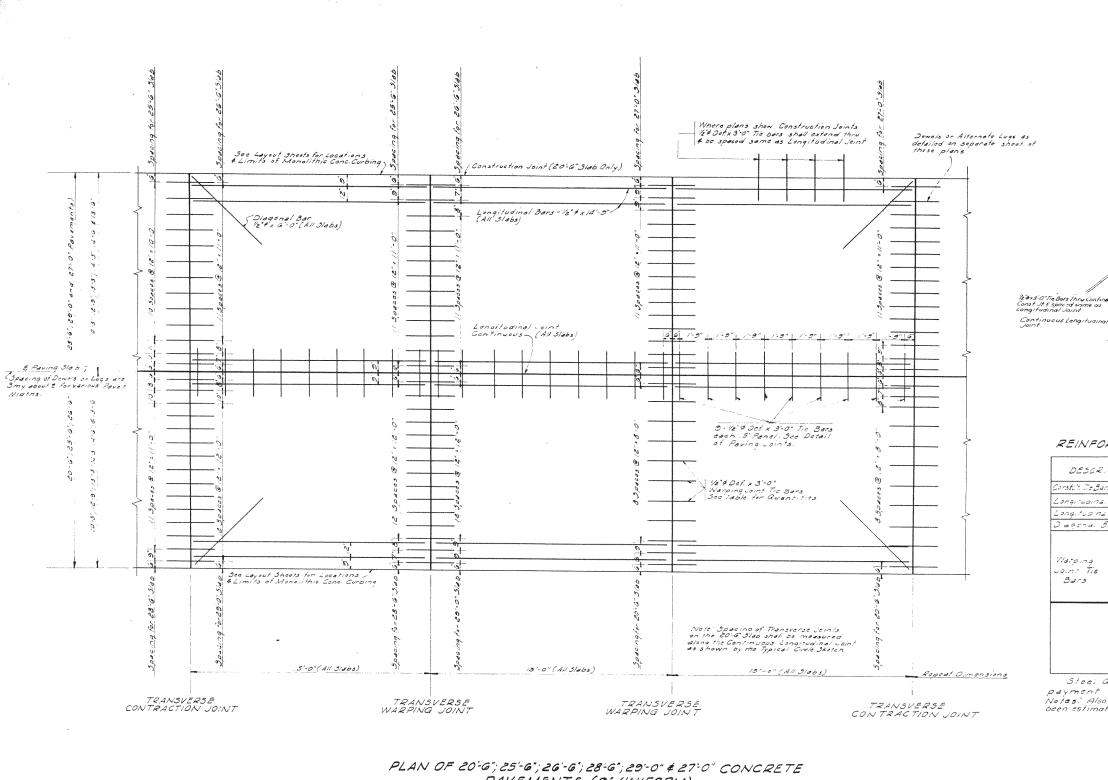
Traffic Stripe not used on this job.

The Contractor shall install sufficient stakes, braces, brackets, or

or other devices as necessary to keep expension joints true to required lines and grades and shall leave in place such of these devices as necessary to keep joints in this position.

The Contractor shall hold and save the State, its officers, its against and its employees harmless to liability of any nature or kind, including costs and expenses, for ar on account of any patent or unpatented. invention, article or appliance in with the details of these plans on, article or appliance manufactured or used in acc

TEXAS HIGHWAY DEPARTMENT CONCRETE PAVEMENT JOINT DETAILS SECTION



SKETCH OF TYPICAL CIRCLE SHOWING PAVING JOINTS IN REGULAR 20'-G" CONCRETE SLABÉ TURNOUTS.

REINFORCING STEEL FOR 45' LENGTH SLAB

Contraction Joint Warping Joint Warping Joint Contractions

DESCR	.PT,DN	10	9/ZE	LENGTH	TOTAL NT. (285)	WT, 5Y (233)
Corstin To Be	rs (20-6-5:30s)	30	20025	3'-0"	60	
Long, Loins	. J. Tie Bars	27	-2'0 Dex	3'-0"	54	
Longitusine	: Bars	. 8	12'2 Def.	4'-9"	. 77	
Dagena. J	8ars	4	129 Des.	6-0"	Ô	
	20.6' 21m:	2022	129 Det	3'-0"	38	
Warping	25:6" Pum.	2 @ 26	20 Def.	3'-0-	104	
	66-6 2 m=	2 @ 28	121 Oct.	3'-0"	2	
vo.n: Tie	27-0-Prm.	2@23	12"9 Dof	3'-2"	2	
8015	28-6- 2000	2 @ 30	12'0 Def.	3.0.	:20	
	29.0. Pum:	2 @ 30	2000	3'-0'	:20	
			20"-6" Pa	vemen!	395	3.854
			25'-6" Pavement		35/	2.753
TOTALS		26-6 Pavement		359	2.709	
		27'-0' Pavemen:		359	2.659	
		28'-6" Pavement		367	2.575	
			29'-0" Pavement		367	2.531

Steel Quantities are for information of Bioders. No direct payment will be made for Reinforcing Steel Zafer to "General Notes". Also for bidders information, reinforcing steel in Concrete Turnouts has been estimated & 2874/54.

PAVEMENTS (9' UNIFORM)

See Layouts of Traffic Circle & Intersection of Loop 12 and S. H. 183 for limits See Legouls of Traffic Circle & Intersection or Loop IC and 3.11. 103 for Timils of the various pevement widths above. For Sections of the various pavement widths shown above see Typical Cross Sections of Traffic Circle and the intersection of Loop 12 \$ 5.4. 183. Intregal Traffic Stripe will not be used on this project.

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CONCRETE PAVEMENT DETAILS

The "General Notes" of Design No.46-1-Mod included in these plans shall apply to this sheet wherever applicapable.

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT				
6	TEXAS	F 614 (14)				
STATE DIST. NO.	COL	INTY	CONTRACT.	-		
18	DAL	LAS	387	1		

