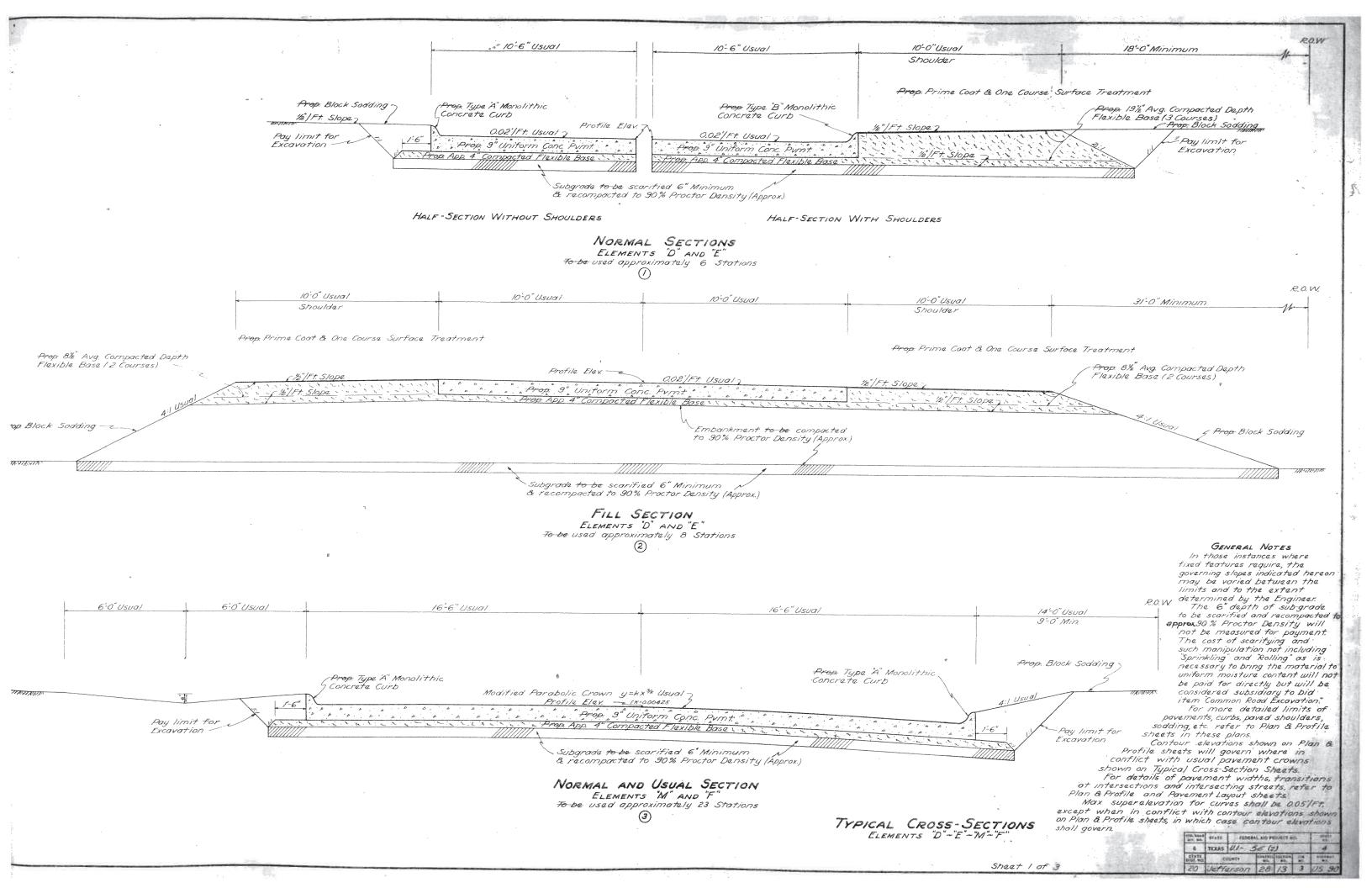
TEXAS U.1.56 (2) STATE OF TEXAS INDEX OF SHEETS APPROVED FIELD CHANGES

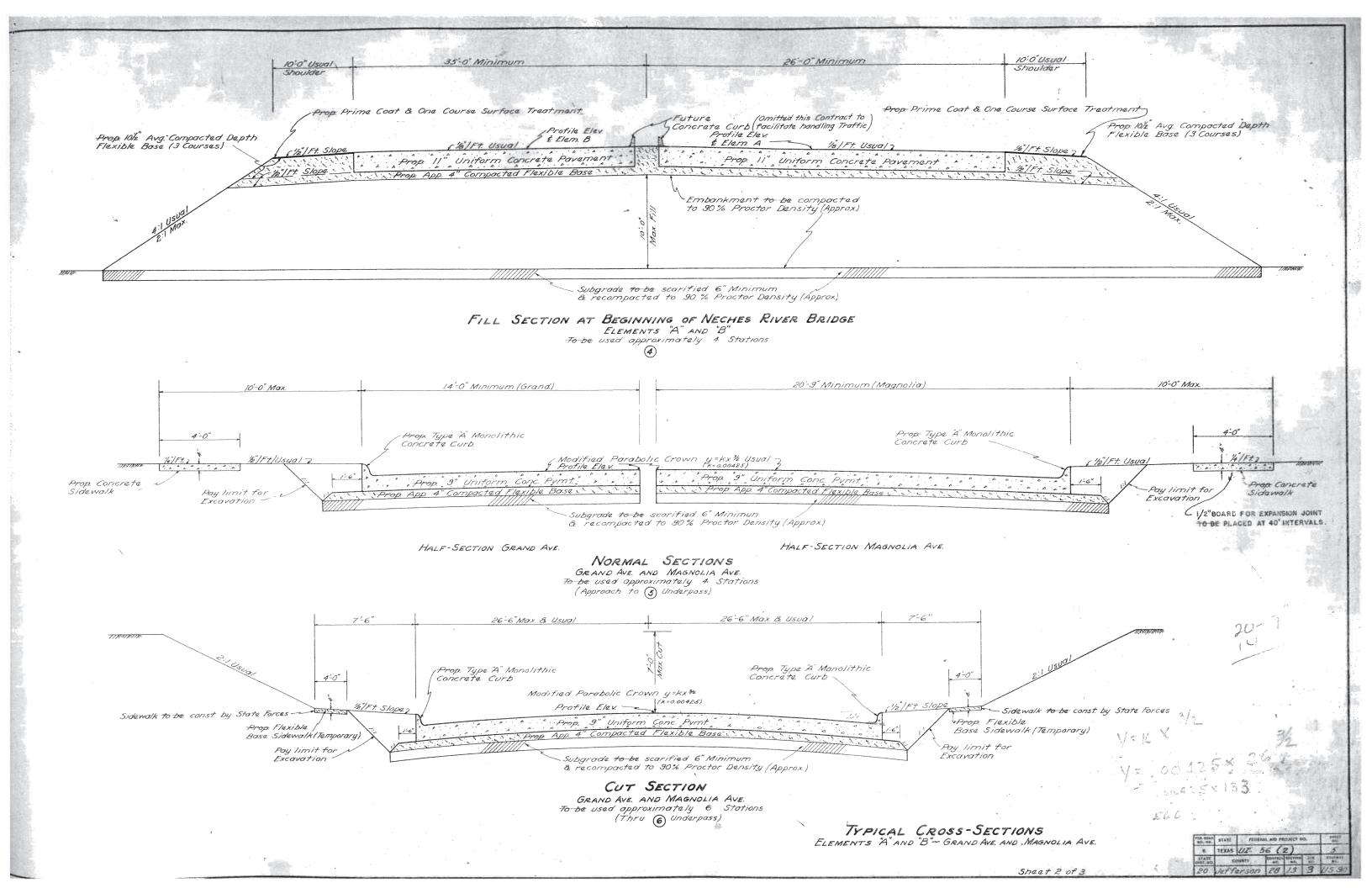
Description

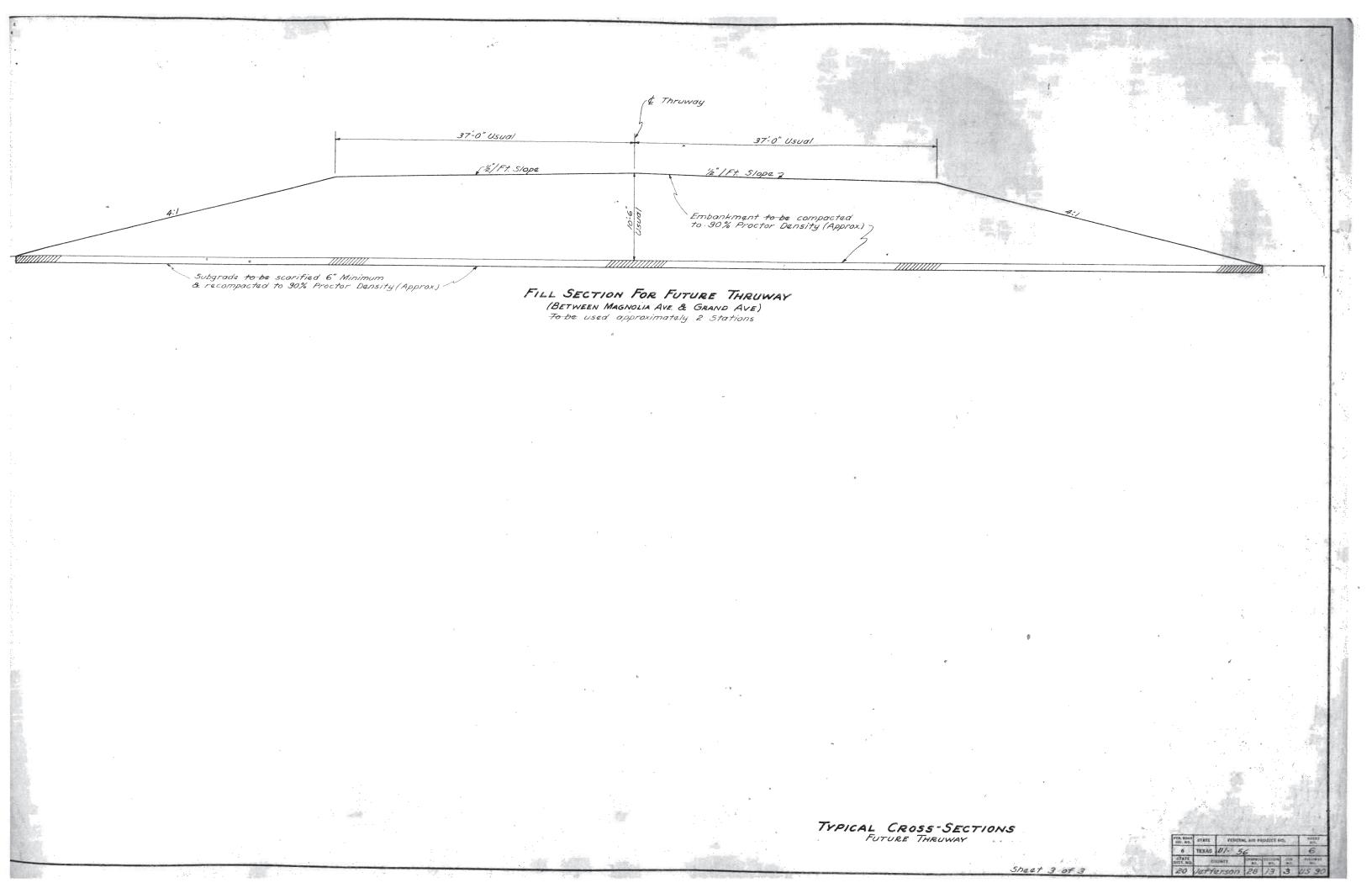
Eliminate paved intersection of Element D" with Reservoir Street. SHEET NO. STATE HIGHWAY DEPARTMENT DESCRIPTION TITLE SHEET GENERAL LAYOUT DRAINAGE MAP Replace prime coat & surface treatment on flexible base shoulders with prime & tack coat and Hot mix cold laid asphaltic conc. pavement. PLANS OF COMPLETED TYPICAL CROSS SECTIONS ESTIMATE & QUANTITY 8-24 PLAN PROFILE STATE HIGHWAY IMPROVEMENT 25-26 HAUL DIAGRAM APPROVED EXTRA WORK ORDERS

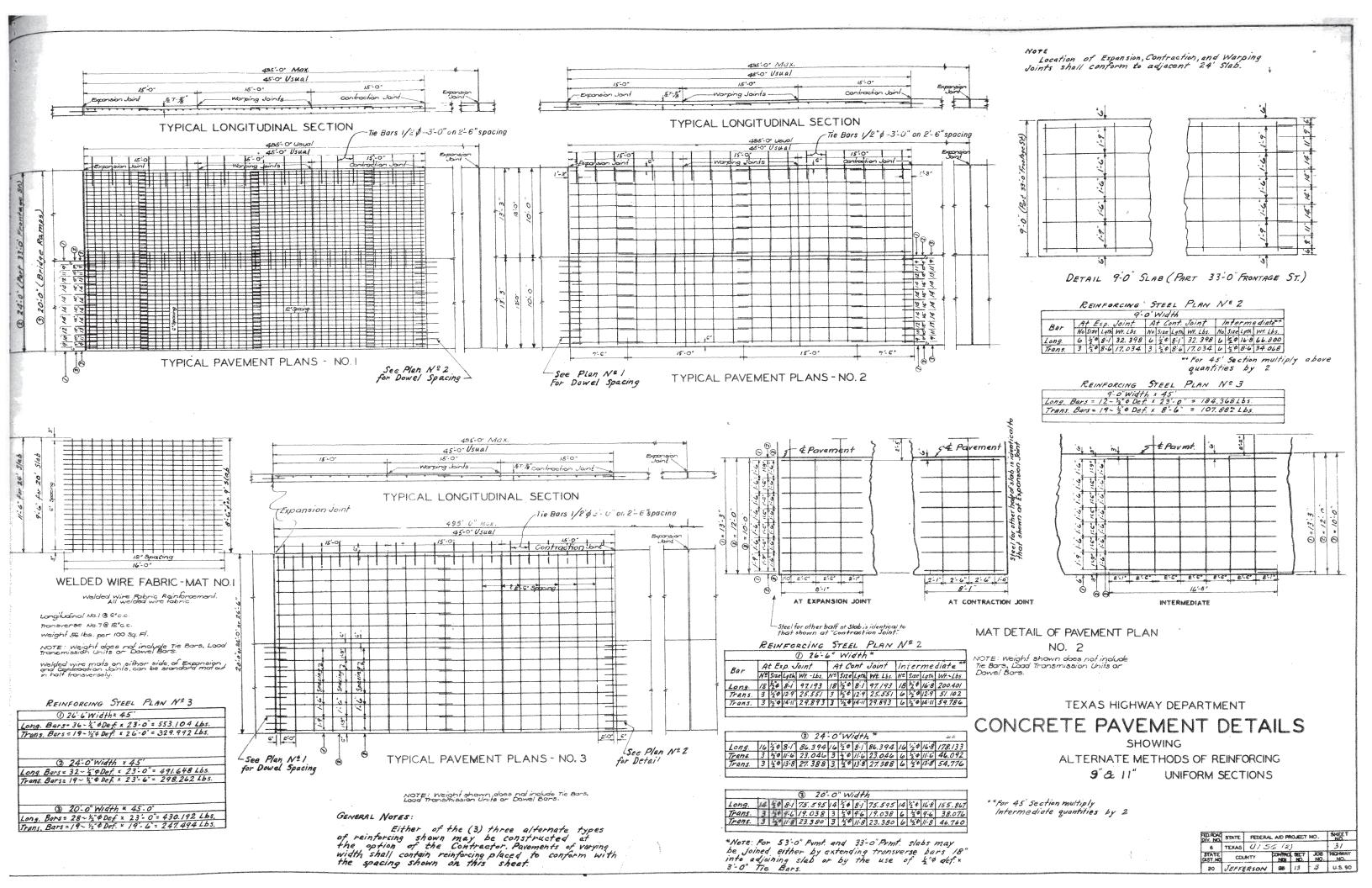
Description
Install tile & gravel sub-drains at
each Type A Inlet 27-29 PAVEMENT LAYOUT (JOINTS) 30 APPROACH SLAB & CURB DETAILS FEDERAL AID PROJECT. CONCRETE PAVEMENT DETAILS SCALES: FLAN: 1 IN. 20 FT. (2)

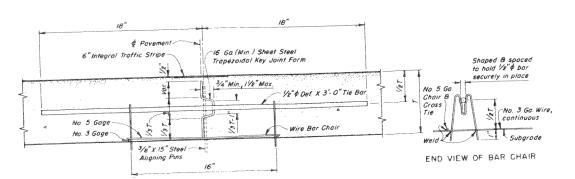
SCALES: FROFILE: 1 IN HOR: = 120 FT. 1 IN. VERT. = 5 FT. CROSS-SECTIONS: 1 IN. HOR. AND VERT. = 5 FT. OTHERS AS NOTED. CONCRETE PAVEMENT JOINT DETAILS (C.P.J.-52-2)(MOD.) 32 INLET & MANHOLE DETAILS BW-46 (1) 8 (2) NET LENGTH OF PROJECT= /962.42 FT = 0.371 MI. M- 47 JEFFERSON COUNTY FROM MAGNOLIA AVENUE TO NECHES RIVER BRIDGE HIGHWAY NO U.S. 90 \$ \$ta.369+00 Begin of Project U.T.-56(2) Control 28-13-3 GRADING, DRAINAGE & CONCRETE PAVEMENT Final Plans PINE STREET INTERCHANGE £ 5/2 200+88 5 Find at Froject U.1 55 (2) Control 28-13-3 : Dog. at Project 17-320 (3)(4)+4-4 Project Constructed and
Final Plans Propaged by
Granvising Urban Engineer 70 CHANGE -2rricades and Warving Signis in & with EN-44 at bounts as directed Marricodes shall be provided at the street when ordered by the Engineer. stratto shall provide and maintain practor stall provide and mainfuln
in the Detours and application
proposed improvement crosses or
proposed improvement crosses or
provided in the Street
deformation: Description of Property
format, Traffic Service and Sequence FRALON BEAUMONT INC. POPULATION 94,014 1950 Equation: Sta. 382+52.92(Back)=382+80.00(Fwd)=-27.08 No Exceptions DELIVERY POINT OF MATERIAL STATE HIGHWAY DEPARTMENT No Railroad Grossings Involved DELIVERY PT. RAILROAD DISTANCE CAPACITY BEAUMONT T. S. N.O. RECOMMENDED FOR APPROVA De 17 1951 SPECIFICATIONS ADOPTEDBY THE STATE MIGHWAY DEPARTMENT OF TEXAS JANUARY 2, USI AND APPROVED BY THE BUREAU OF PUBLIC ROADS JULY 25, 1951 AND SPECIFICATIONS ITEMS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT. REQUIRED CONTRACT PROVISIONS FOR FEDERAL AID PROJECTS APPROVED AUGUST 5, 1948, NOTE: FEDERAL PROJECT MARKERS OF APPROVED DESIGN WILL BE EXECTED AT EACH END OF PROJECT PRIOR TO COMPLETION LAYOUT SCALE: 1 IN. - 500 FT.



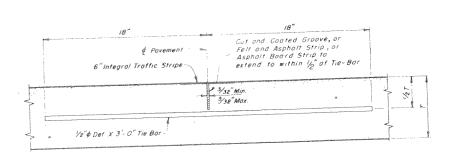








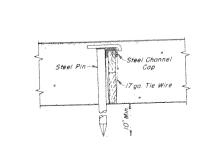
TYPE I - STEEL TONGUE - AND - GROOVE FORM



TYPE 2 - MACHINE CUT GROOVE

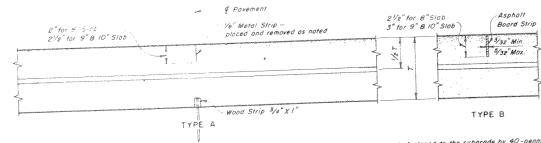
Top grove shall be cut by an approved machine and the vertical faces of the concrete coated with an approved concrete curing compound before closing and final finishing, or a Vie asphall impregnated felt strip shall be inserted, continuous between expansion joints, or an asphalt board strip held in an approved continuous metal shield, shall be placed continuously in a groove cut in the concrete by an approved mechanical device operated in advance of the langitudinal float. The strips or groove shall be true to line, vertical, and of the depth shawn. The bars shall be installed as in Type I, or accurately placed in position on the screeded concrete by means of an approved template and forced to the proper passion with a suitable tool. position with a suitable tool

ALTERNATE TYPES OF LONGITUDINAL JOINTS



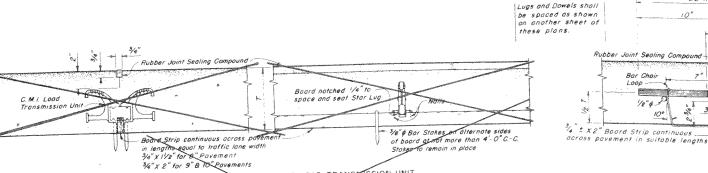
INSTALLING PIN FOR EXPANSION JOINT

Board Joint Filler of specified type shall be secured on subgrade in exact position and line as illustrated or by other approved device. Plns shall be removed after passage of finishing machine, then povement resurfaced by second pass of finishing machine remove concrete to 1 below top of board and nail 3/4 x/76 wood strip to top at board filler to form joint seal space. Replace concrete and finish with longitudinal float. The wood top strip shall not be removed until immediately prior to pouring joint seal.



The 3/4" X I" Wood Strip as shown for Type A shall be continuous for width of pavement, and shall be securely fastened to the subgrade by 40-penny wire nails driven through drilled holes on not more than 30" centers. The forest occurrately in position, after streading, by means of an upproved tempirate. The transverse timishing machine shall pass over the joint area after installing the bars. The transverse timishing machine shall pass over the joint area after installing the bars. The transverse timishing machine of concrete directly over wood strip and insert metal strip after screeding and in advance of type A, 1/6" X 2" or 2½" Metal Strip — Cut top surface of concrete directly over wood strip and insert metal strip after screeding and in advance of longitudinal float. Type B, Asphall Board Strip — Asphalt board strip, held in an approved continuous metal shield, shall be placed continuously in a groove cut by an approved mechanical device operating in advance of the longitudinal float.

ALTERNATE TYPES OF TRANSVERSE WARPING JOINTS



CAST MALLEABLE IRON CANTHLEVER TYPE LOAD TRANSMISSION UNIT D-14 "STAR LUG" as manufactured by Texas Foundries, Lufkin, Texas, of equal Load Transmission Unit

consisting of 2 - wire No. 6 gage choir and dowel holder at each dowel, and 2 - /2 * \$ steel bars welded at each I" ROUND STEEL BAR DOWEL IIf the confractor so elects the

3/40

30° 7 16° R. 12" \$ 76" Bar Stokes 4'-0" (MOX.) C-C.

20"X 1" & smooth Dowe

3/4" Oil Aspha

20" Dowel Coating

Dawel Bur Chair may be omitted at Contraction Joints and the Dower starated into place by approved methods.)

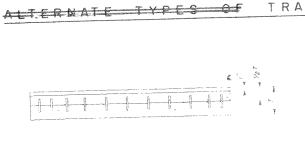
Continuous Welded Dowel Bar Chair

Wood Strip not to be removed

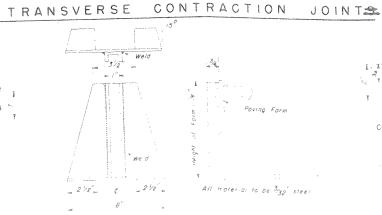
1/8 Asphall Mastic Board to remain in concrete

CONTRACTION JOINT SEAL FORM

mmediately before sealing



ELEVATION OF BOARD STRIP FOR EXPANSION JOINT WITH CMI LOAD TRANSMISSION UNITS



ACCEPTABLE CONTRACTION AND EXPANSION JOINT HOLDER TOTAL TYPES THEY SE USED IT TOPISSON !

shall be as shown in another sheet of these CHARL C. M. I Lood Transmission Unit

CAST MALLEABLE IRON

CANTILEVER TYPE LOAD TRANSMISSION UNIT D-13 "STAR LUG" as manufactured by Texas Foundries, Lufkin, Texas

Jowe. Steeve to lit dowe. and to be secured by boy he SES Board Expanse The large of Arabi Bar Chair consisting of 8 wire No.6 gage in the dwell of any areath arabi and 7. Vert steel bors (e. 1142) intersection

Markette the state of the

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 work and shall be included in the unit price bid for "Concrete Pavement." No direct payment will be made for any material, bor chair, steel, or any other device shown, nor for its installation

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

For thickened edge pavements the bottom edges of board expansion joint fillers shall be made to conform with the subgrade by the addition of wedges of the same material and thickness.

The Contractor shell hold and save the State, its officers, its agents, and its employees harmless to liability of any nature or kind, including LOSIS and expenses, for or on account of any patent or unpatented invention, orticle or appliance manufactured or used in accordance with the details of these plans

TEXAS HIGHWAY DEPARTMENT CONCRETE PAVEMENT JOINT DETAILS 8"-9"-10" SLABS

C.P.J. - 52 - 2 (MCD.)

ADAB STATE FENERAL AND PROJECT NO. UI 50;2) TEXAS COUNTY 20 JEFFERSON 28 13 3