INDEX OF SHEETS

SHEET NO. DESCRIPTION TITLE SHEET GENERAL LAYOUT DRAINAGE MAP TYPICAL CROSS-SECTIONS 4-5 ESTIMATE & QUANTITY PLAN PROFILE 7-27 HAUL DIAGRAM 28 JOINT LAYOUT & TRAFFIC LANE MARKER 29-31 CURB DETAILS & PRIVATE DRIVEWAY DETAILS 33 CONCRETE PAVEMENT DETAILS CONCRETE PAVEMENT JOINT DETAILS C.P.J.-52-2 MOD. 35-39 INLET & MANHOLE DETAILS 40-41 BW-52(182)(REV) M-47

STATE OF TEXAS STATE HIGHWAY DEPARTMENT

APPROVED FIELD CHANGE

ELIMINATION OF CONCASTE POPEMENT.

CONCRETE PIPE, & INLETS. ON MARIPO

DESCRIPTION

PLANS OF COMPLETED STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT.

U1 56 (4)

SCALES: PROFILE 1 IN HOR = 20 FT. 1 IN VERT - 5 FT.

OTHERS AS NOTED.

NET LENGTH OF PROJECT = 2421.46 FT = 0.458MI.

JEFFERSON COUNTY

FROM GULF STREET TO A POINT 0.036 MILES EAST OF GRAND AVE. GRADING, STRUCTURES & CONCRETE PAVEMENT

Sto 368 + 54 Begin of Exception UI 56 (4) C. 28-13-4 Sta 344+97 Beg of Proj. U.1.56 (4) Cont. 28-13-4 =End U156(7) Cont 28-13-9 ZALOWELL APE Sta. 3 70+54 End of Exception UI 56(4) C-28-13-4 MULTIMAX VILLAGE MAPLE PEACH FRUE M LOUISTANA GLADYS Sta 347+12 Beg Exception Sto. 349+11 End Exception Stu 3/2+30 = Begin of Exception UI 56(4) C-28-I3-4 BEAUMONT INC. POPULATION 94,014 1950 EXCEPTION UI 56(4) Sto. 347+12 To 349+11 =199.0'

Sta 375+22 46 End of Project al Plans UI-56(4) Cont. 28-13-4 8eq of Project UI 56(5) Cont. 28-13-5 Sta.368+54 To 370+54 = 200.0" Sta 372+30 To 374+35 : 205.0' CITY ENGINEER OF BEALMONT, TEXAS Total =604.0° AVOR, CITY OF BEALMONT, TEXAS

The contractor shall provide and errect street idet and Warning Signs in accordance with -52(Rev) at points as directed by the Engineer

id as shown on Layout Sheet No. 2
Class E Barricades shall be provided at all

has streets when ordered by the Engineer.
See Special Provisions, Description of Project,
age of Contract, Traffic Service and Sequence

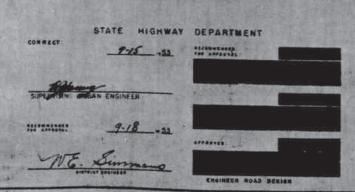
Structures at Gulf 5t Mariposa 5t Magnolia and Grand Avenues are future Construction.

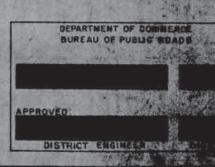
SPECIFICATIONS ADDPTED BY THE STATE HIGHWAY DEPARTMENT OF TEXAS JANUARY 2 1931 AND APPROVED BY THE U. S. BUREAU OF PUBLIC ROADS JULY 2E, 1931 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS PROJECT, REQUIRED CONTRACT PROVISIONS FOR FEDERAL AND PROJECTS ANYHOUSE JUDIST 5, 1948

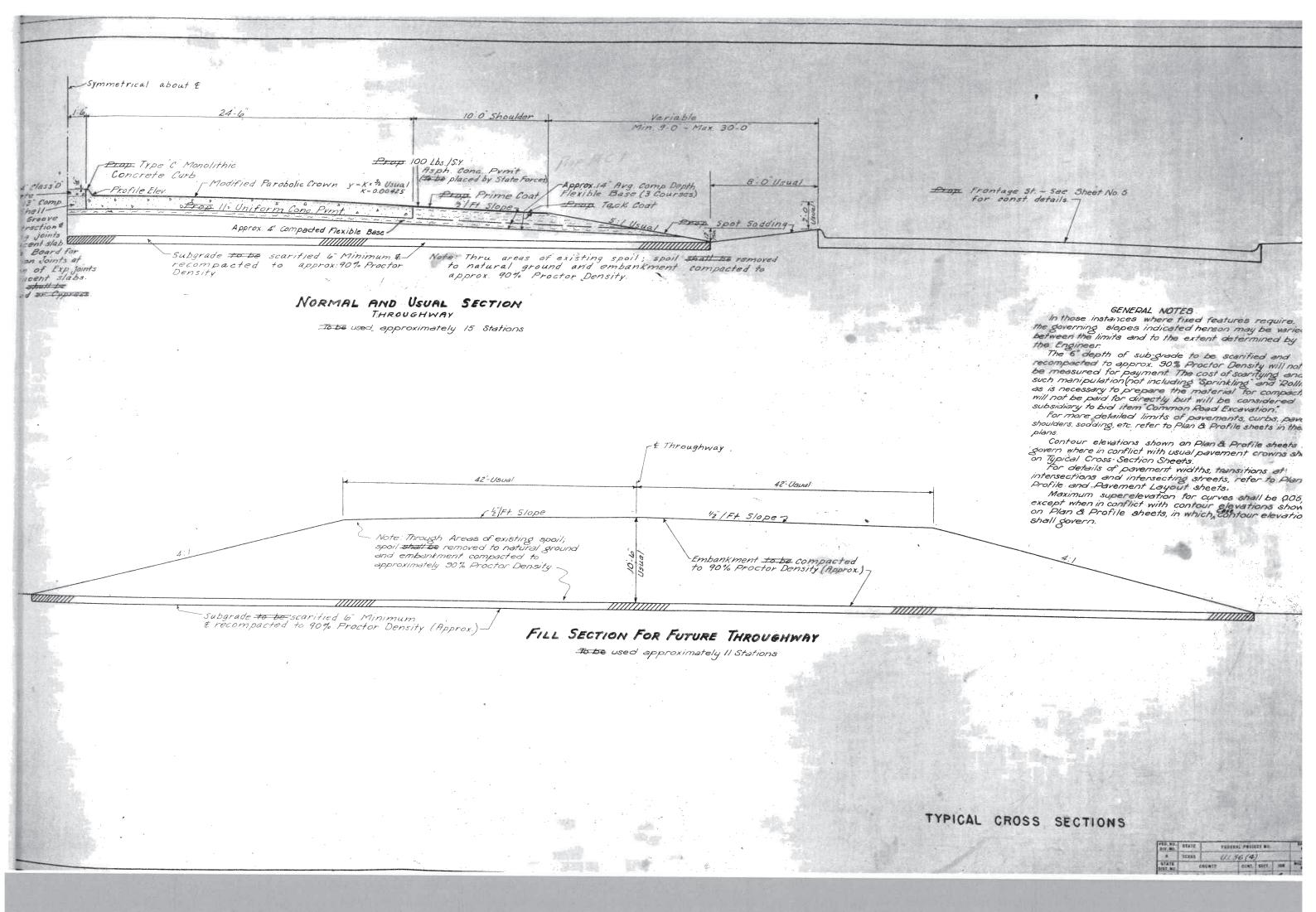
| DELIVERY POINT OF MATERIAL |            |          |          |
|----------------------------|------------|----------|----------|
| DELIVERY PT                | RAILROAD   | DISTANCE | CAPACITY |
| Regument                   | TANO.      | 1.0      | Ample    |
| Beaumont                   | K.C.S.     | 1.0      | Ample    |
| Begument                   | G.C.B.S.F. | 1.0      | Ample    |
| Begument                   | M.P.       | 1.0      | Ample    |

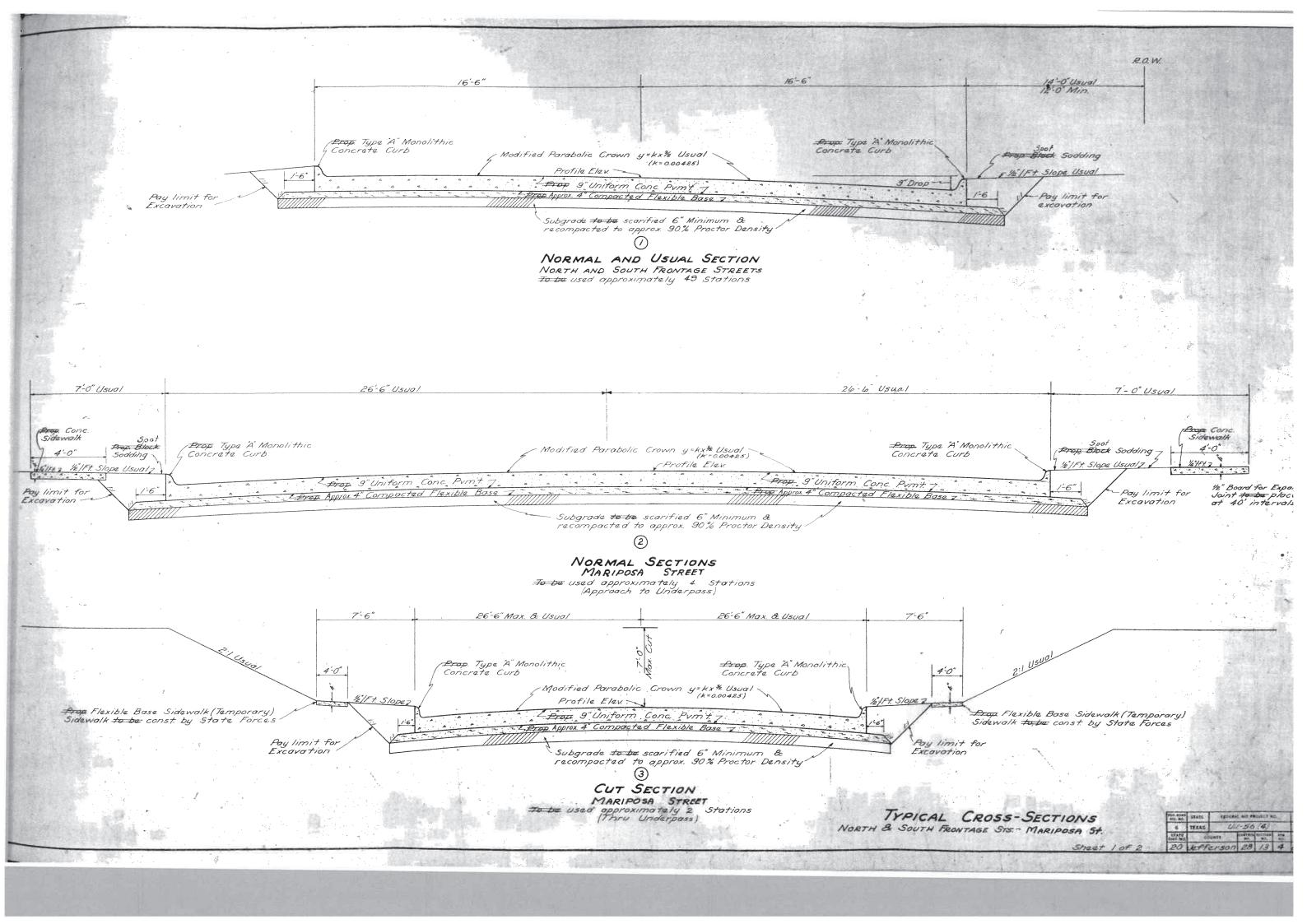
NOTE: FEDERAL PROJECT MARKERS OF APPROVED DESIGN WILL RE ERECTED AT EACH END OF PROJECT PRIOR TO COMPLETION

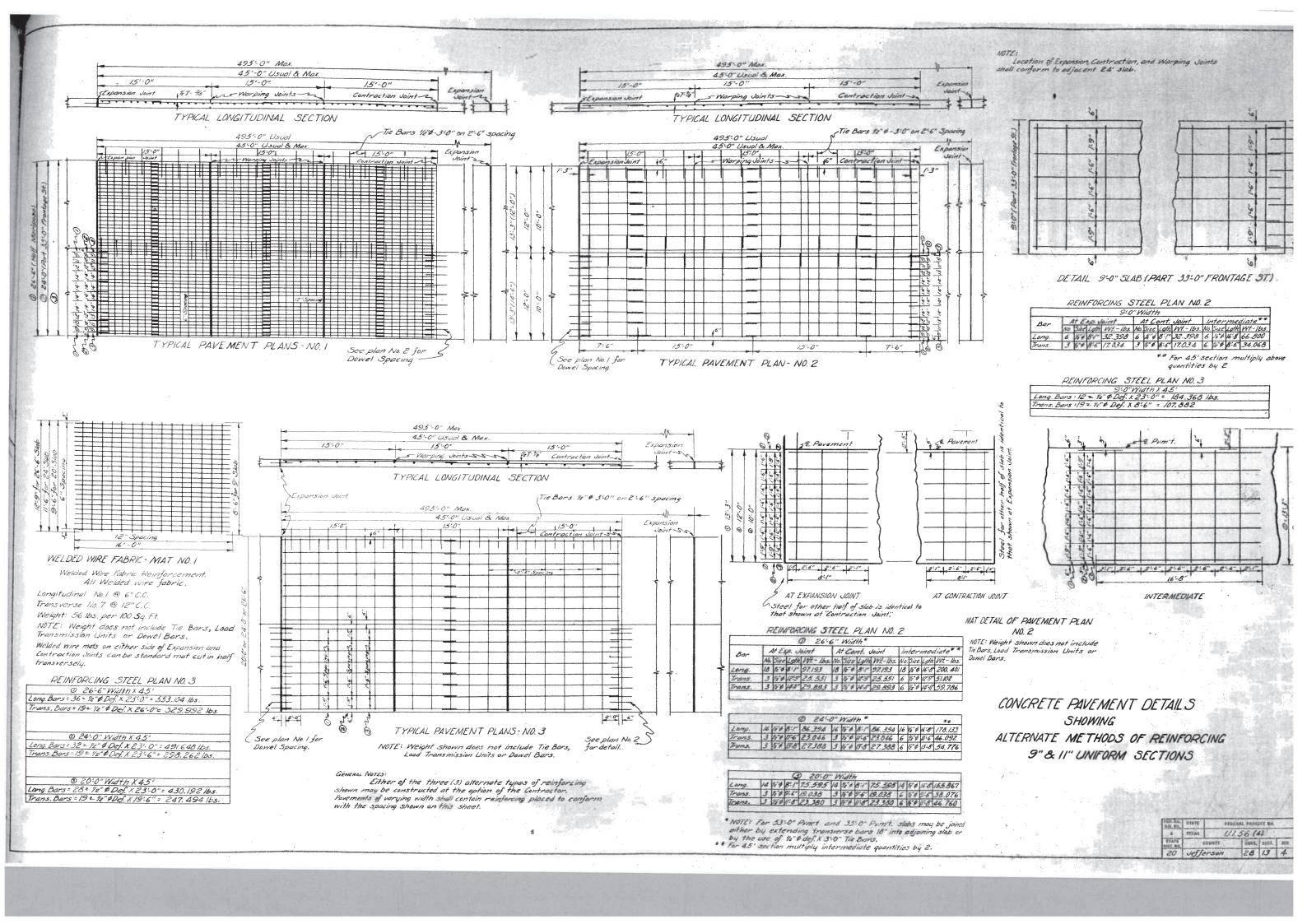
LAYOUT SCALE: 1 IN. - 500 FT.

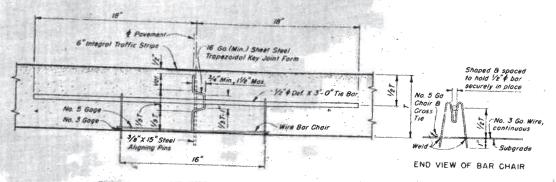




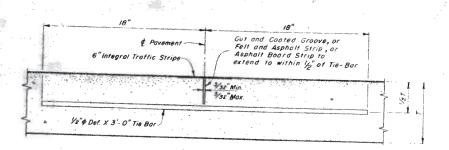








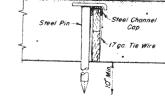
TYPE I - STEEL TONGUE - AND - GROOVE FORM



### TYPE 2 - MACHINE GUT GROOVE

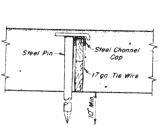
Top groove shall be cut by an approved machine and the vertical faces of the concrete coated with an approved concrete cuting compound before closing and final finishing, or o lie asphall impregnated felt strip shall be inserted, continuous between expansion joints, or an asphall board strip held in an approved continuous metal shall be pieced continuously in a groove cut in the concrete by an approved mechanical device operated in advance of the longitudinal float. The strips or groove shall placed in position on the screeded concrete by means of an approved template and forced to the proper position with a suitable tool.

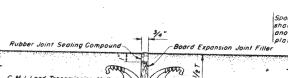
# ALTERNATE TYPES OF LONGITUDINAL JOINTS



#### INSTALLING PIN FOR EXPANSION JOINT

Board Joint Filter of specified type shall be secured on subcrade in exact position and line as illustrated or by other approved device. Pine shall be removed after passage of finishing machine, then povement resurfaced by second pass of finishing machine remove concrete of below for of board and not 3/4°.7'e" wood strip to top of board and not 3/4°.7'e" wood strip to top of board filter to form joint seat space. Replace concrete and finish with longitudinal float. The wood top strip shall not be removed until immediately prior to pouring joint seal.





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

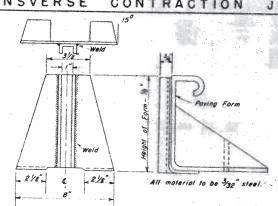
CAST MACLEABLE IRON GANTILEVER TYPE LOAD THANSMISS

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

# Lugs and Domels shall be spaced as shown on another sheet of these plans. Coor down 1 t x2" Board Strip

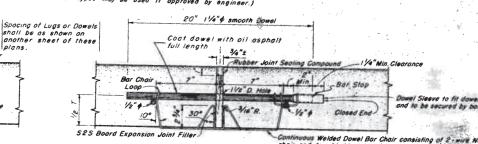
I" ROUND STEEL BAR DOWEL

TRANSVERSE CONTRACTION JOINT登



CONTRACTION JOINT SEAL FORM

ACCEPTABLE CONTRACTION AND EXPANSION JOINT HOLDER (Other types may be used it approved by engineer.)



11/4" ROUND STEEL BAR DOWEL

ALTERNATE TYPES OF TRANSVERSE EXPANSION JOINTS

### 4 Povement 2" for 8" S/ap 21/2" for 9" 8 10" Slot 2 1/2" for 8" Slab 3" for 9" & 10" Slab Asphair proced and removed as noten 3/32" Min. 3/32" Mox. Wood Strip 3/4" X 1"

The '4" X I" Wood Strip as shown for Type 2 shall be continuous for width of povement, and shall be securely fastened to the subgrade by 40-penny wire nails driven through drilled holes on not more than 30" centers. The thirs shall be not a partial to the subgrade by 40-penny suppressed to the transverse finishing machine shall past over the joint area after installing the bars. The transverse finishing machine shall past over the joint area after installing the bars. Type 8, (\*\*X 2" or 29" Metal Strip -- Cut top surface of concerts directly over mod strip and installing the bars strip after screeding and in advance of linearing Type B, Asphall Board Strip -- Asphall board strip, held in an approved continuous metal shall be placed continuously in a groove cut by an approved mechanical device operating in advance of the langitudinal float.

ALTERNATE, TYPES OF TRANSVERSE WARPING

## 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 mode to conform with the subgrade by the addition of wedges of the same material and thickness.

The Contractor shall hold and save the State, its officers, its agents, ond its employees harmless to liability of any nature or kind, including casts and expenses, far or on account of any patent or unpatented invention, article or appliance manufactured or used in accordance with the destrict of these planes. with the details of these plans.

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

C.P.J. - 52-2 MOD

FER BOLD STATE FEDERAL AID PROJECT B

8 TEXAS UI 56(4) FEORMAL AID PROJECT NO. REVISED: FEB. 7, 1952