5808 20C TEXAS COUNTY CLASS 4L HIGHWAY DESIGN SPEED: 60 MPH. TOTAL PROJECT: U312(5) CONT. 28-5-24 CONT. 28-7-25 RDWY. - 19,201,21 FT. = 3,636 MILES BRIDGES- 210.00FT.= 0.039 MILE3 19,411.21FT.= 3.675 MILES TOTAL PROJECT, C 28-7-24 RDWY. - 40.00FT.=0.007 MILES BRIDGES-80.00FT.=0.015 MILES 120.00FT.=0.022 MILES BEAUMONT ISTA. 233+2153 END OF BEG. OF PROJECT U312(5) UNI 28-7-25 STA. 63+22 BEG. OF U.S. HWY. 90 CONT. 28-6-24 CONT 25-7-25 STA. 0+00 EQUALS STA. 11+00 (COLLEGE ST. STA.) PROJ. 110-8(1)859 EXCEPTIONS TO PROJ IBARRICADE "D" SIGNS: D-34A, D-35, EQUATION: Control 28-7-2 WALDEN D-57, D-59, D-61 & W-155 Equals Station 129+97.00 Forwar PROJECT U 3121 ST4. 200+4050 BEG. OF EXCEPTION Station 233 • 21,53 Buckwar CONT. 28-7-25 Equals Station 0+00 Forward BEG. OF PROJECT C 28-7-24 CONT. 28-7-24 APPROVED: STA. 201+ 6070 COUNTY ENGINEER, JEFFERSON COUNTY END OF PROJECT C 28-7-24 CONT. 28-7-24 END OF EXCEPTION CONT. 28-7-25 NOTE: SEE PLAN SHEET NO.15 FOR FIELD CHANGES ! WORK ORDERS. NOTE: The contractor shall provide and erect PROJECT CONSTRUCTED AND FINAL PLANS PREPARED BY SUPP. RES ENGR. MAY 29, 164 Barricade and Warning Signs in accordance with BW-61-(1)&(2) and CIS-61 at points as shown STATE HIGHWAY DEPARTMENT JULY 25 162

## STATE OF TEXAS STATE HIGHWAY DEPARTMENT

PLANS OF COMPLETED STATE HIGHWAY IMPROVEMENT

GRADING, STRUCTURES AND CONCRETE PAVEMENT

END OF PROJ. U312(5) STA. 25+00.44 U.S. HWY. 90

CONT. 28-6-24

BARRICADE "D" SIGNS: D-34A, D-35 D-57, D-59, D-61 &

W-155

U. S. HIGHWAY 90

FROM LH.10 TO WESCALDER ROAD

Wierress Con

Final Plans FEDERAL AID PROJECT. U 312(5) & C 28-7-24

PLM: 1 IN. = 50 FT.
PROFILE: 1 IN. HOR. = 50 FT., 1 IN. VERT. = 5 FT.
CROSS-SECTIONS: 1 IN. HOR. AMD VERT. = FT.
OTHERS AS NOTED. NET LENGTH OF PROJECT= 19,531,21 FT.=3,097ML-JEFFERSON COUNTY

State n 275+40 to Sat + Station 130+28,24 Backwo

DEPARTMENT OF COMMERCE EUREAU OF PUBLIC ROADS

Oct. 8 1962

Specifications adopted by the State Highway Department of Texas January 2,1962 and specification items listed and dated as follows shall govern on this project;

INDEX OF SHEETS

12-15

30

31

32-33

35-36

37

38-40

42-45

45-47

48-50

51

52

57-60

61 - 6566-68

69-70

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73

74

75-76

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DESCRIPTION TITLE SHEET GENERAL LAYOUT TYPICAL SECTIONS

STRUCTURE SUMMARY ESTIMATE& QUANTITY SPECIFICATION & DATA

PLAN PROFILE, ETC.

INTERSECTION DETAILS

INLET & MANHOLE DETAILS

23rd STREET CULVERT DETAILS

LANGHAM RD. DITCH CULVERT DETAILS

CONCRETE PAVEMENT DETAILS-

HILLEBRANDT BAYOU BRIDGE WIDENING CALDWOOD CUTOFF BRIDGE WIDENING

PINCHBACK OUTFALL CHANNEL BRIDGE

APPROACH SLAB DETAILS

TRANSITION MARKER LAYOUT& SPECIAL SIGN DETAILS

PILING DETAILS, CP

RAILING, TYPE P

RR 9

SWC - 61

CIS-61

M-61

BW-61-(1)&(2)

WIDENING DETAILS

DRIVEWAY LAYOUTS

MC 8-1

MCW P-1 SIPHON DETAILS

SUMMARY OF MANHOLES, INLETS & LATERALS

INTERSECTION LAYOUT-F.M.364 & U.S. HWY.90

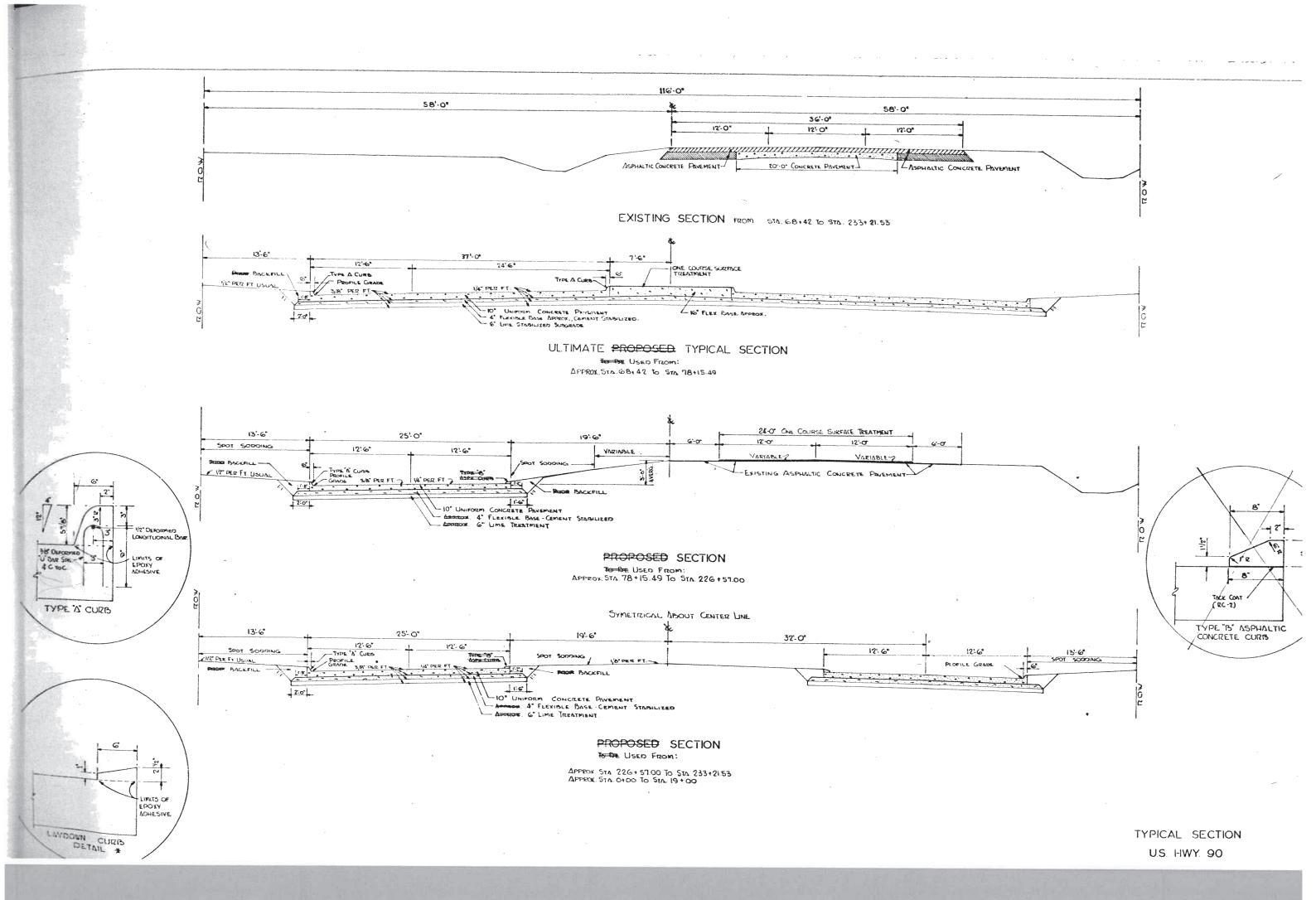
DRAINAGE AREA MAP (STORM SEWER)
RUNOFF, INLET & STORM SEWER COMPUTATIONS
DRAINAGE AREA MAP (BRIDGE & CULVERT)

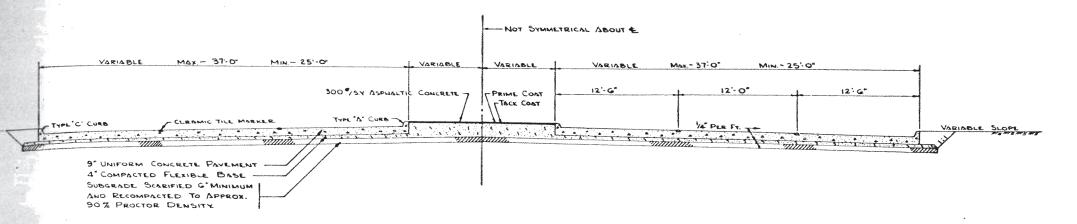
CPJR (F)-G1 MOD. & C- (C, 5)-G1 MOD. & TA(CPJ)-G1 MOD. BRIDGE LAYOUTS & STRUCTURAL DETAILS:

CONTOUR LAYOUT - F.M. 364 & U.S. HWY 90

Required Contract Provisions for Federal Aid Projects Approved Sep'l. 6, 1962.

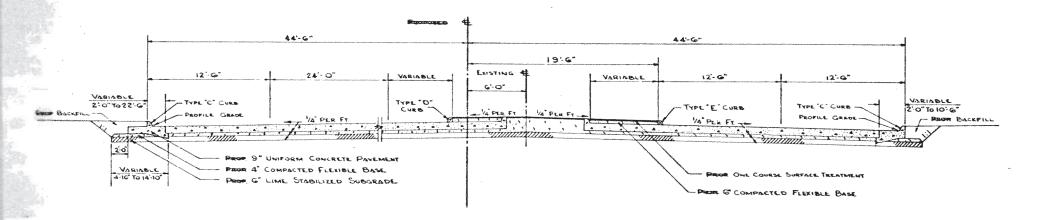
on title sheet, layout sheet and as directed by the engineer.





### EXISTING SECTION

STATION G3+00.00 TO STATION G7 +02.00



#### PROPOSED WIDENED SECTION

BOD 200 SY ASPHALTIC CONCRETE

PROP G' LIME STABILIZED SUBGRADE

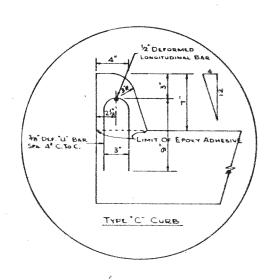
Prior 12" FLEXIBLE BASE

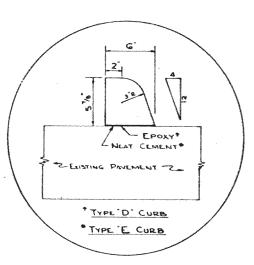
APPROX STATION G3+22.00 To STATION G7 +02.00

APPROX STATION GG+42.00 TO STATION G7 +02.00 (HOT MIX ASPHALTIC CONCRETE OVERLAY-IG2\*/SY AVERAGE)

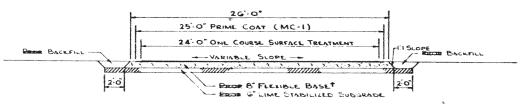
APPROX. STATION G7+02.20 TO STATION G8+42.00 (MEDIAN É BLOCKOUT ONLY)

3/4 PER FT





NOTE: THE CONTRACTOR MAY USE AN EXTRUSION MACHINE ON TYPES 'D' AND E' CURB AT H OPTION.



#### DETOUR

STATION G4 + 50 TO STATION GG + 40 APPROX \*STATION 80+00 TO STATION 85+00 APPROX. †STATION 19G+95 TO STATION 199+65 †STATION 202+35 TO STATION 205+05 APPROX. APPROX. \*STATION 219+25 TO STATION 224+45 ONE COURSE SURFACE TREATMENT ONLY.

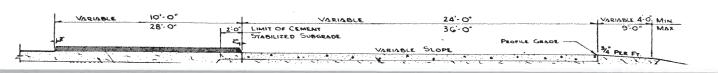
† Total Salvaged And Replaced On Shoulders
Station 19:00 to Station 25:00.44.

### TEMPORARY CONNECTION

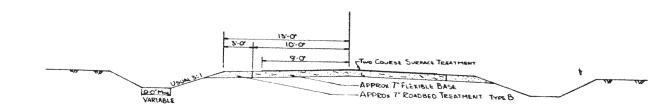
--- PROFILE GRADE

APPROX STATION 78+15.49 To STATION 81+50 ΔΡΡROX - STATION 198+50 To STATION 200+40 STATION 201+60 To STATION 203+50

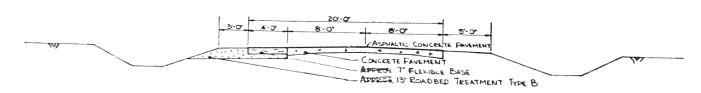
- 34 PER FE



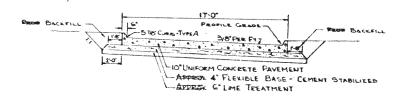
TYPICAL SECTION U.S. HWY. 90



# EXISTING SECTION STA 0+00 TO STA 5+16.05 S

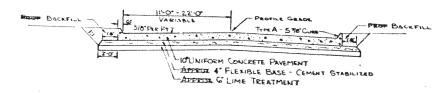


# EXISTING SECTION STA 0+00 TO STA 5+00.09 N

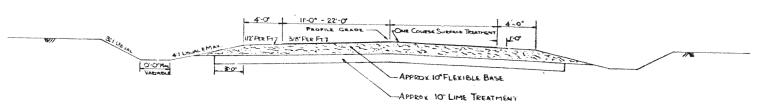


### PROPOSED SECTION

RIGHT TURN LANES



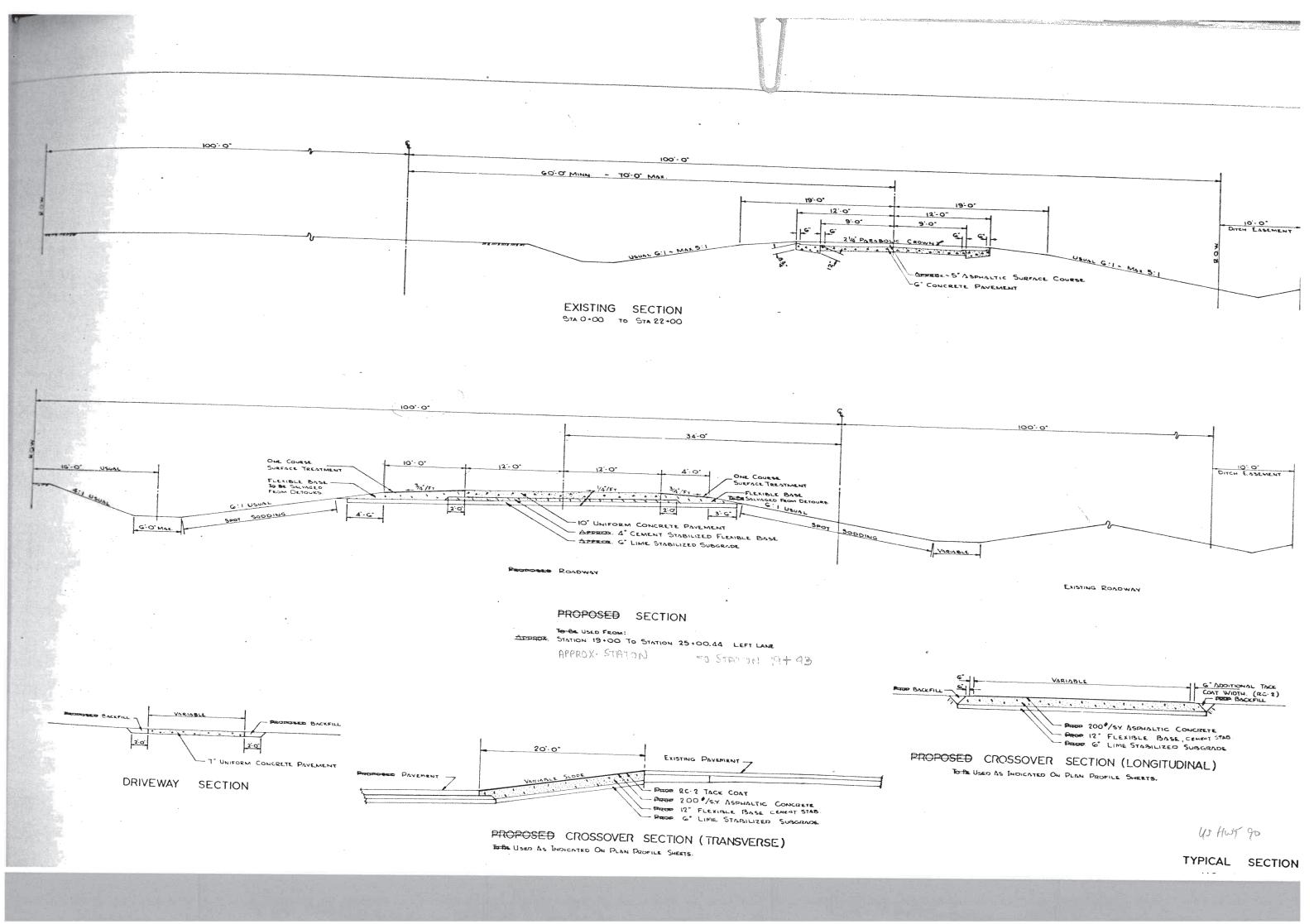
# APPROX. STA 0+44 TO STA 1+65 N APPROX. STA 0+44 TO STA 2+00 S

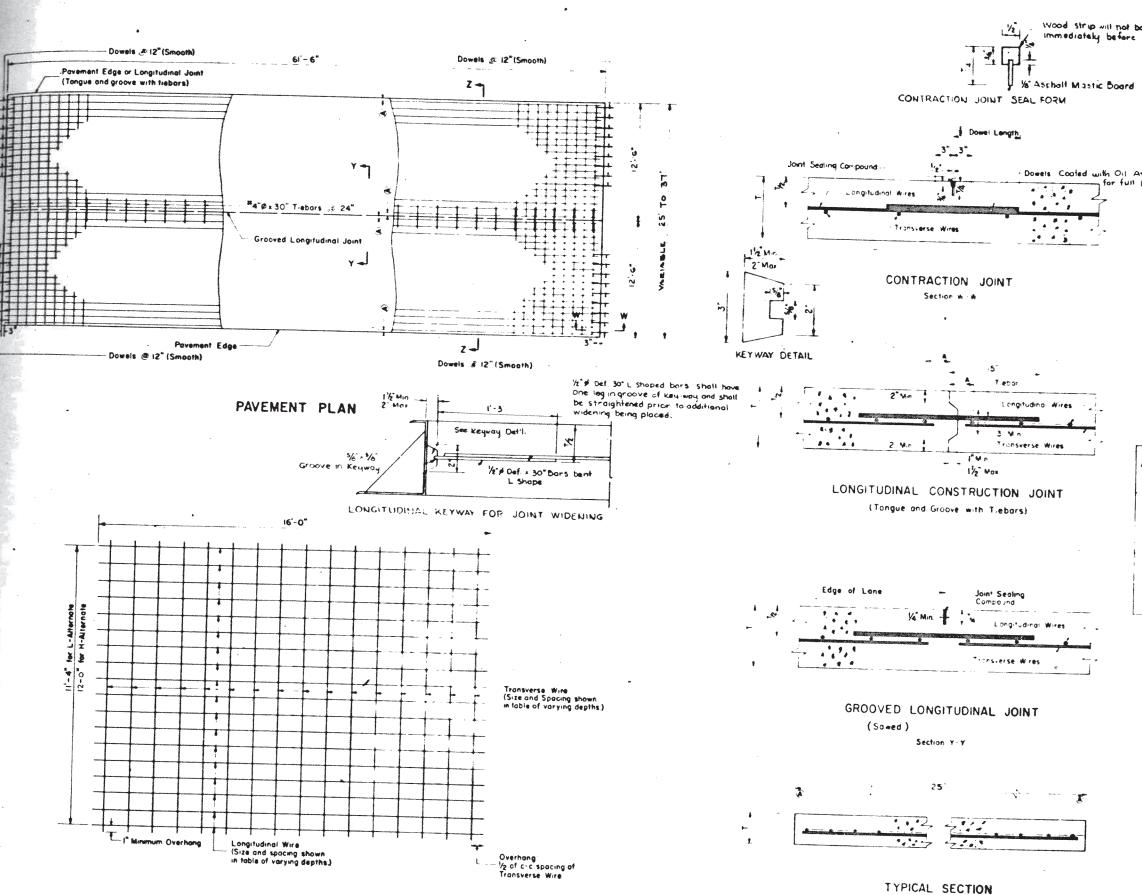


PROPOSED SECTION

APPROX. STA 1+65 TO STA 5+00.09 N

TEPEROX. STA 2+00 TO STA 5+16.05 S





TYPICAL SHEET, OF WELDED WIRE FABRIC

Wood strip will not be removed until immediately before sealing.

Dowels Coaled with Oil Asphalt for full length

Section Z-Z

#### GENERAL NOTES

- ALL CROOVED JOINTS SHALL BE ESTABLED SAWED VERIFICAL AND TRUE BRE DATA JAMES THE CONTROL OF THE CONTROL CHARLES THE CONTROL HERE SAND CONTROL HERE SAND FILLED AND FILLED HAS THE CONTROL HERE CONTROL OF THE CONTROL HERE CONTROL OF THE COMPOUNE.
- CONSTRUCTION JOINTS MAY BE FORMED BY THE USE OF METAL OR WOOD FORM'S EQUAL IN DEPTH TO THE NOMINAL DEPTH OF THE PAVEMENT, OR BY OTHER MEANS WHICH HAVE BEEN APPROVED BY THE ENGINEER PRIOR
- 3 TREATMENT OF PAVEMENT ENDS AT STRUCTURES OR AT FIXED OBJECTS
  O'LL BE SHOWN ELSEWHIPE IN THE PLANS.
- 4 FOR FURTHER INFORMATION RECARDING THE PLACEMENT OF CONCRETE AND RUNFORCEMENT REFER TO THE GOVERNING SPECIFICATIONS FOR CONCRETE "AVENENT".
- CETAILS AS TO PAVEMENT WIDTH, PAVEMENT THICKNESS, AND THE CROWN CROSS-SLOPE SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- THE MINIMUM TRANSVERSE LAP OF THE WELDED WIRE FABRIC SHALL BE 20 INFOMES LINKS. THE MINIMUM LONGITUDINAL LAP, IF USED, SHALL BE EQ. A. TO THE CENTER TO CENTER SPACING OF THE LONGITUDINAL
- IT IT THE INTENT OF THIS ESIGN THAT THE LONGITUDINAL STEEL BE AT THE CONTENT OF THE SUBJECT OF THE ESPONSIBILITY OF THE CONTENT OF TABLE ALL NECESSARY PRECAUTIONS TO INSURE THAT THE FINAL POSITION OF THE STEEL IS WITHEN 1/2 HINCH OF THE STAR CENTER. SLAB CENTER.
- 9. CONCRETE SMALL NOT BE DISCHARGED FROM THE MIXER DIRECTLY ON TOP OF OR ON THE SIDES OF THE JOINT ASSEMBLY.
- 9. THE CONTRACTOR SHALL HOLD AND SAVE THE STATE, IPS OFFICERS, LES ACENTS, AND ITS EMPLOYEES HARMLESS TO LIABILITY OF ANY NATURE, OR LIND, INCLUDING COST AND EXPENSES FOR OR ON ACCOUNT OF ANY PATENT OR UNPATENTED INVENTION, ARTICLE OR APPLIANCE MANUFACTURED OR USED IN ACCORDANCE WITH THE DETAILS OF THESE
- 10. FABRIC MAY BE PLACED EITHER TOP OR BOTTOM OF JOHT STORE

TABLE OF VARYING DEPTHS (T) Steel Welded Edge Style No (inches) \$ 58 12 812-16-5 58 #10 20 5.66 812-12 4.71 10 7 66 "11 22" 7.89 \*4 x 304 68-6-1 7 66 "10 x 20" 12 5.66 6.20 #8 18" 12

- i One of the atternate designs must be crossed out.
- b. Hi alternate— to be used with a high friction factor
- 2 Steel weights are for contractors in "Code for weiged wire fobric

Specing of transverse wire (m)

Spoons of longitudinal wire (in)

ALL DOWEL BARS TO BE FASTENED IN THER PROPER POSITION

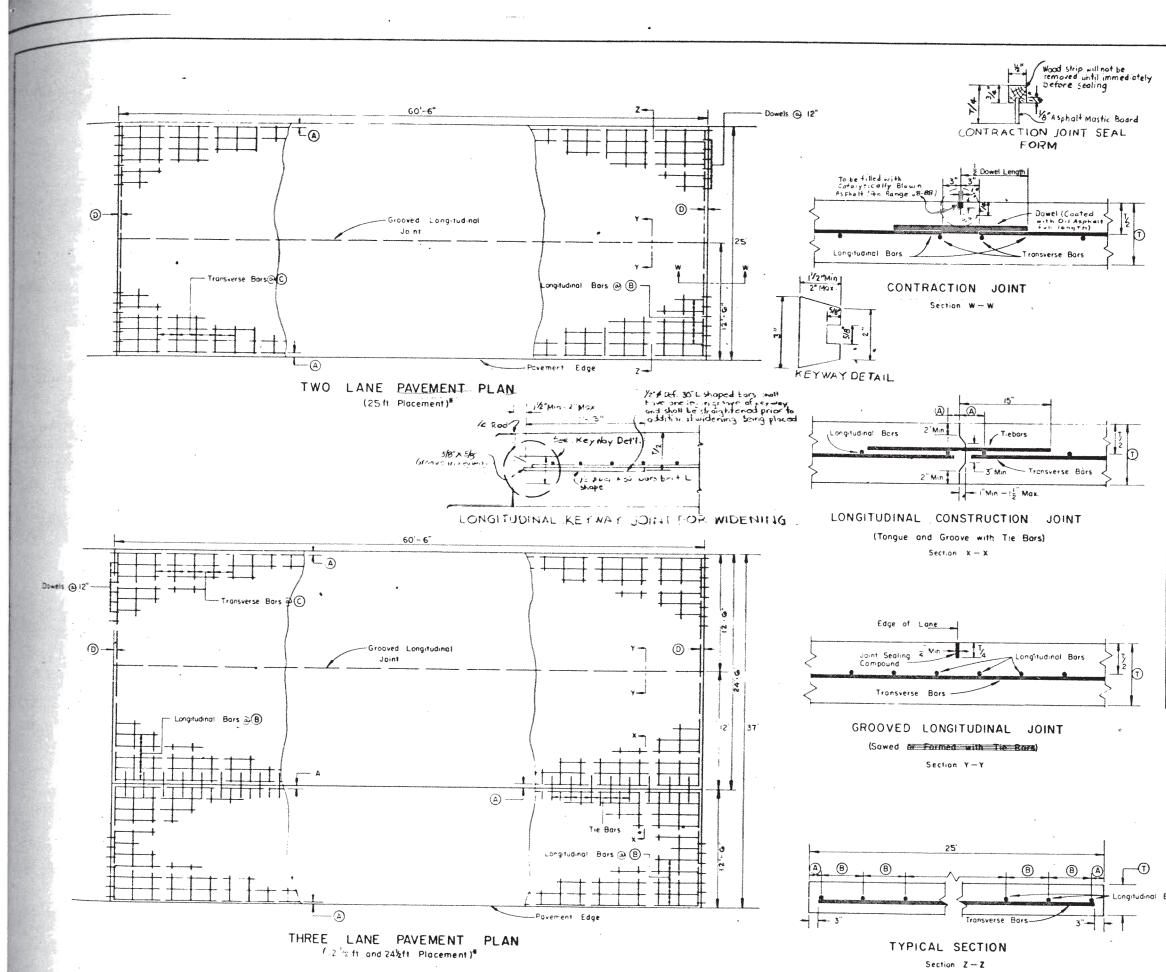
USE OF A DOWEL CHAIR OF A TYPE APPROVED BY THE ENGINEER. DA. ALL DOWEL BARS

(GELERAL VOTES CONTO.)

II. JOINT SEALING COMPOUND SHALL CONFORM TO THE REQUIRE FOR CLASS 1-0 AND CLASS 1-6 JOINT SEALER, 18. REYNAYS SHALL BE PROVIDED ON RESIDE EDGE OF PARTIENT TO ALLOW FOR PUTURE WIDEHING, AS DIRECTED BY THE ENGINEER.

TEXAS HIGHWAY DEPARTMENT CONCRETE PAVEMENT DETAILS JOINTED REINFORCED

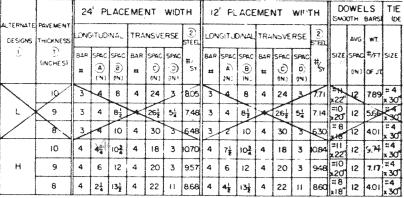
WELDED WIRE FABRIC



GENERAL NOTES

- ALL GROOVED JOINTS SHALL BE EXEMPED OR SAWED VERTICAL AND TRUE TO LINE BY AN APPROVE METHOD AND FILLED WITH JOINT SEALING COMPOUND.
- CONSTRUCTION JOINTS MAY BE FORMED BY THE USE OF METAL OR WOOD FORMS EQUAL IN DEPT TO THE NOMINAL DEPTH OF THE PAVEMENT, OR BY OTHER MEANS WHICH HAVE BEEN APPROVED BE THE ENGINEER PRIOR TO THEIR USE.
- TREATMENT OF PAVEMENT ENDS AT STRUCTURES OR AT FIXED OBJECTS WILL BE SHOWN ELSEWHERE IN THE PLANS.
- FOR FURTHER INFORMATION REGARDING THE PLACEMENT OF CONCRETE AND REINFORCEMENT REL TO THE GOVERNING SPECIFICATIONS FOR "CONCRETE PAVEMENT".
- DETAILS AS TO PAVEMENT WIDTH, PAVEMENT THICKNESS, AND THE CROWN CROSS--SLOPE SHALL AS SHOWN ELSEWHERE IN THE PLANS.
- LONGITUDINAL BARS AND TRANSVERSE BARS SHALL BE INTERMEDIATE GRADE, HARD GRADE, OR HI YIELD STEEL IN ACCORDANCE WITH THE SIZE AND SPACING SHOWN IN THE TABLE, EXCEPT THAT ONLY INTERMEDIATE GRADE STEEL SHALL BE USED WHERE BARS ARE TO BE BENT.
- 7. (IT IS THE INTENT OF THIS DESIGN THAT THE LONGITUDINAL STEEL BE AT THE CENTER OF THE SLAB. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO IN THAT THE FINAL POSITION OF THE STEEL IS WITHIN 1.2 INCH OF THE SLAB CENTER.)
- CONCRETE SHALL NOT BE DISCHARGED FROM THE MIXER DIRECTLY ON TOP OF OR ON THE SIDES C
  JOINT ASSEMBLY
- ANY APPROVED METAL CHAIR TYPE OR DESIGN, WHICH WILL SATISFY THE REQUIREMENTS NOTED H
  WILL BE PERMITTED. (CHAIR SPACINGS SHALL NOT BE GREATER THAM 50" C-C MEASURED PARALLEL
  PAVEMENT CENTER LINE AND 30" C-C MEASURED PERPENDICULAR TO THE PAVEMENT CENTER LINE.
  ADDITIONAL CHAIRS SHALL BE USED IF NECESSARY TO MEET THE STEEL PLACEMENT REQUIREMENTS.)
- 19. THE CONTRACTOR SHALL HOLD AND SAVE THE STATE, ITS OFFICERS, ITS AGENTS, AND ITS EMPLOY HARMLESS TO LIABILITY OF ANY NATURE OR KIND, INCLUDING COST AND EXPENSES FOR OR ON OF ANY PATENT OR UNPATENTED INVENTION, ARTICLE OR APPLIANCE MANUFACTURED OR USED I ACCORDANCE WITH THE DETAILS OF THESE PLANS.

### TABLE OF REINFORCING STEEL SIZES, SPACINGS AND ESTIMATED QUANTITIES



#### NOTE

- ① One of the alternate designs must be crossed out.
  - s to alternate to be used with subbases having a low friction factor
  - b H alternate—to be used with subbases having a high friction factor.
- 2) Steel weights are for contractor's use only and include
- (GENERAL NOTES CONT) weights of longitudinal and transverse bars.
- 11 JOINT SEALING COMPOUNT SHALL CONFORM TO THE REQUIREMENTS FOR CLASS 1-2 AND CLASS 1 b JO
  12 KEYMAYS SHALL BE PROVIDED ON INSIDE EDGE OF PAVEMENT TO ALLOW FOR FUTURE WIDENING

CONCRETE PAVEMENT DETAILS

JOINTED REINFORCED

TEXAS HIGHWAY DEPARTMENT

STEEL BARS

CP.IR (R) - EL MOD

