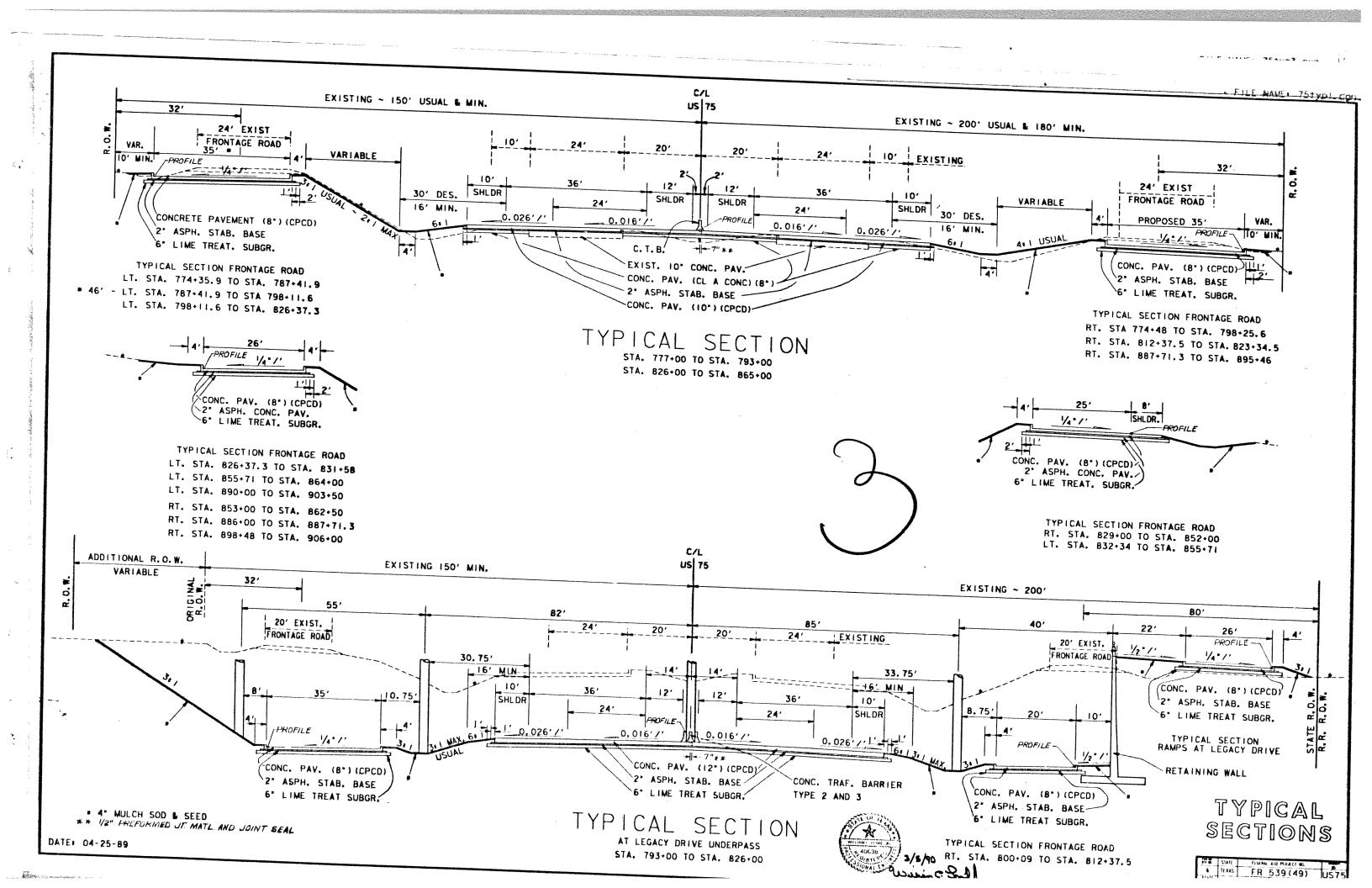
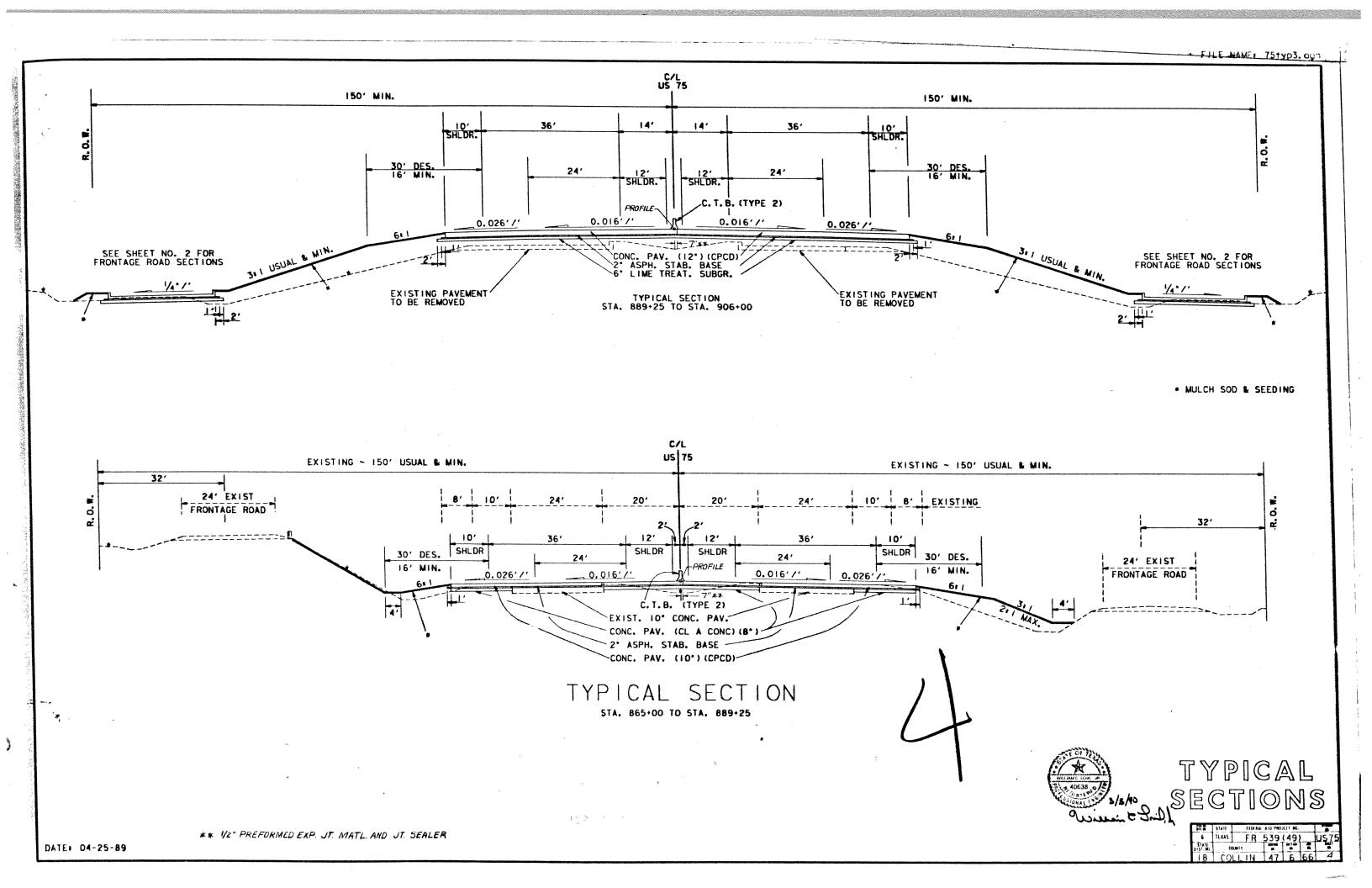
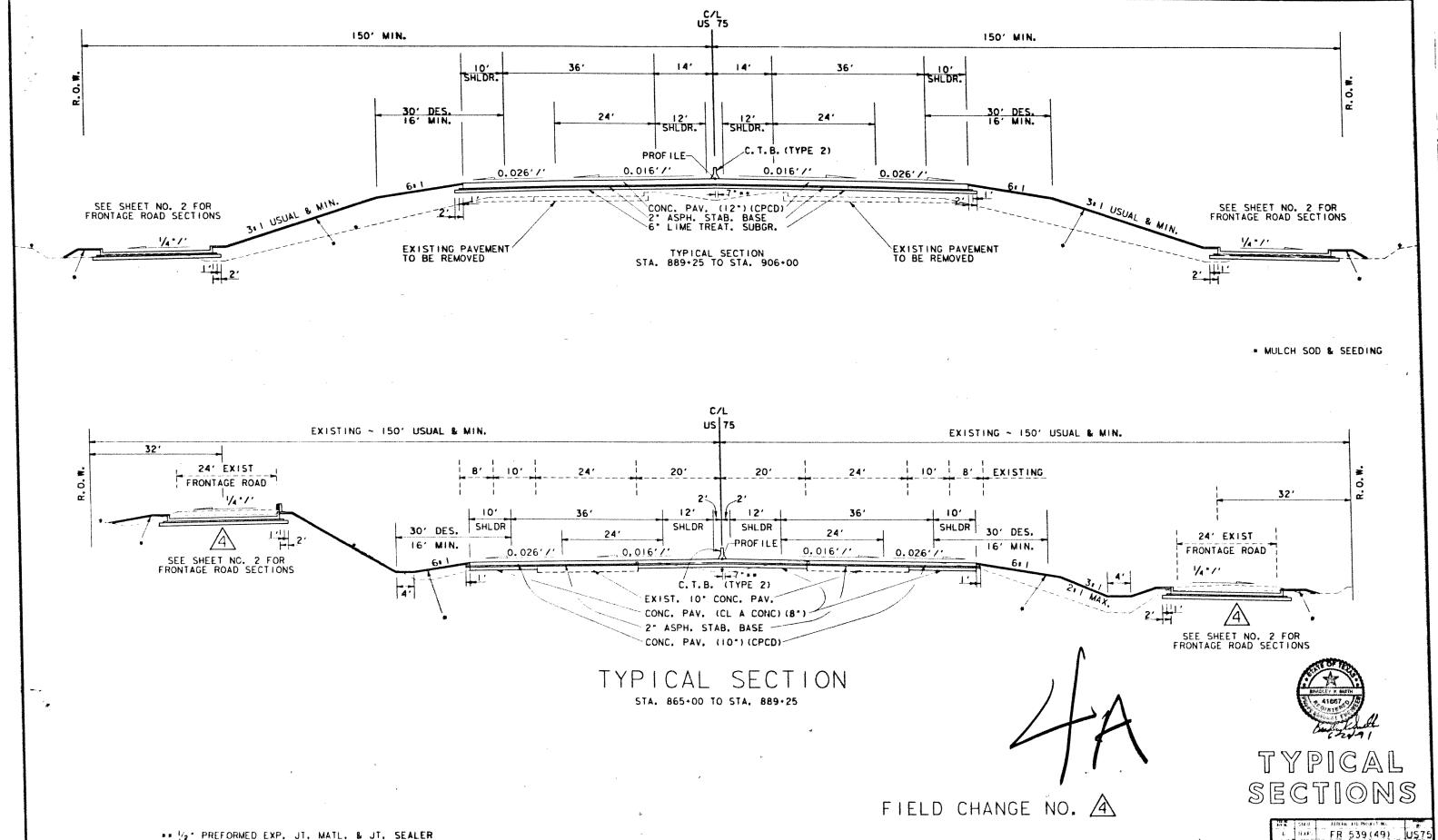
FILE NAME: 75111. dgs FR 539 (49) INDEX OF SHEETS & TERAS 47-6-66 U.S. 75 STATE OF TEXAS 18 COLLIN DESCRIPTION

TITLE SHEET
PROJECT LAYOUT
TYPICAL SECTIONS
ESTIMATE AND QUANTITIES
SPECIFICATIONS AND DATA
SUMMARY SHEETS
PLAN-PROFILE (ROADWAY)
HORIZONTAL 'CONTROL DATA
PLAN-PROFILE (DRAINAGE), |
LATERALS AND LINE PROFILES
DRAINAGE MAP AND HYDRAULIC DATA SHEETS
MISCELLANEOUS DETAILS
TRAFFIC CONTROL PLANS
BRIDGE PLANS
RETAINING WALL PLANS
PAVEMENT MARKING DETAILS
SUMMARIES OF SIGNING, LIGHTING & OBJECT MARKERS
SIGNING AND LIGHTING PLANS
STANDARDS SWEET NO. DESCRIPTION 181A 282A 3-5A STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION 3-5A 6-9A 10-15 16-31A 32-57 58-59A 60-73 74-78A 79-806 NO EQUATIONS NO EXCEPTIONS PLANS OF PROPOSED STATE HIGHWAY IMPROVEMENT 90-106 107-137 138-189 DESIGN SPEED 55 M.P.H. FEDERAL PROJECT NO. FR 539(49) 199-212 STANDARDS STANDARDS

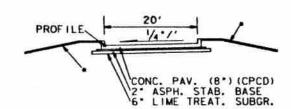
CPCD-80(1) (MOD)
JS-75 (MOD)
COMBINATION RAIL TYPE C201
RKI (L) C
RWI (H) C
RW 2
EMRW-88
REINFORCED EARTH RETAINING WALL
RETAINED EARTH RETAINING WALL
BAS-75
CTB(2)-81, CT&()-85
TB(BMGF-88
TEMP EROSN, SED AND WATER POL CO 252 253 254 255 256 257 258 259 260 U.S. 75 * INCAUDEE SHEETS 2224 + 2228 SHEETS 240 4241 OMITTED THE CONTRATOR SHALL PROVIDE AND ERECT BARRICADES AND WARNING SIGNS IN ACCORDANCE WITH BC(I) THRU (7)-1989 AT POINTS INDICATED AND AT OTHER POINTS AS DIRECTED BY THE ENGINEER. COLLIN COUNTY 261 261 262-2620 263 264 265 266 267 268 269 TBUBMGF -88
TEMP EROSN, SED AND WATER POL CONTROL MEASURES
GF(TD)-87
MBGF(B)-74
BED(OW1)-84
TCP(1-2A)
TCP(13-10),(5-0),(0-2),MGD
TNLET AND MANHOLE DETAILS
MC5-2 (MOD) FROM: NORTH OF SPRING CREEK PARKWAY, NORTH NORTH OF BETHANY ROAD 272-275 276 277 278 279 280 281 282 283 284 285 286 287 298 299 291 292 293 294 295 296 297 301-302 301-302 MC5-2 (MOD) SC-NH (MOD) SCL-45* SC-45* A SC-45* B & C ROADWAY = 12.30/.3/Fr = 2.327 MI. BRIDGES = 598.674 = 0.1/3 MI. NET LENGTH OF PROJECT = 12,900 FT. = 2,442 MI.-75° B 4' C.
OMITTED
SC-NT SC-NT SC-NT SC-NT NB, NC.
PC-25
PC-46
PC-46
PC-77
FMCW-N5*
PW-45*
PW-45* UPGRADING OF A FREEWAY FACILITY CONSISTING OF:
GRADING, STRUCTURES, STORM SEWERS, LIME TREATED
SUBGRADE, ASPHALT STABILIZED BASE, CONCRETE PAVEMENT,
PAVEMENT MARKINGS, SIGNING AND SAFETY ILLUMINATION. GRAYSON CO. PW-45°
MCW-P-45°
IE(I)
M(I), {2}
K(I), {2}
W(I), {2}
SMD (I-1), (I-2), (I-3)
SMD (2), (B-1), (B-21, (B-3)
SMD (A-1), (BW1), (BW2)
D & OM (I), {2}
WV & IZ (WIND VELOCITY AND ICE ZONES)
COSS-73 & Z3I
COSS-74 & Z4I
COSSF
COSSFD
SWW (I) TITLE City Man 310-313 314-316 317-318 TITLE City Manager 1942 319 320 321 322 323 324 325 326 327 PROJECT FR 539(49) END CONTROL 47-6-66 STA. 906-00 (m) RHEA MILLS 471103 **F** 328-329 330 331 332 PROJECT FR 539 (49)
BEGIN CONTROL 47-6-66
STA. 777+00 COLL IN FM (3) SD(700) & CN' !! RAIL 1501 BCII) - 89 THRU BC (7) - 89 SMA-BC 1400) . MA C. MA-D. TS-FL (4405) 333-334 335 340 - 346 334 - 377 CHLIFORA 296,308,309 THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE, PLUS SHEETS THE BOTTO MODD. JS-75 (MOD), MC 5 2 (MOD), SC NH (MOD) AND GDA 7. GD B 2. GD-NS-LR. RAIL T502, RRB & RRB, BPA, PCB-MINRHIT), PCP AND PHINT CO: INCLUDED WITH BRIDGE SHEETS), HAVE BELN ISSUED BY ME AND ARE APPLICABLE TO THIS PROJECT. STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION William C. Smill P.E. 1 3/8/90 COLLIN COUNTY ME VADA WILLIAM C. LOVIL, JR. DATE REU 5/29/40 DISTRICT 18 U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION DALLAS CO. ROCKWALL CO. SPECIFICATIONS ADDPTED BY THE STORY DEPORTMENT OF PHONONIS OND PRESE.
FROMEPHATM TOP SEPTEMBER 1, 1982 AND SPECIFICATION ITEMS
LISTED AND DATED AS FOLICIONS, SHALL GOVERN ON THIS
PROJECT "REQUIRED CONTRACT PROVISIONS FEDERAL—
AID CONSTRUCTION CONTRACTS IFORM FHAIR 1278
AUGUST, 1980! FOR CHIEF INDINIER, M DATE: 03 07 90



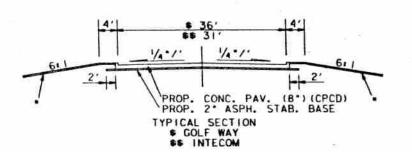




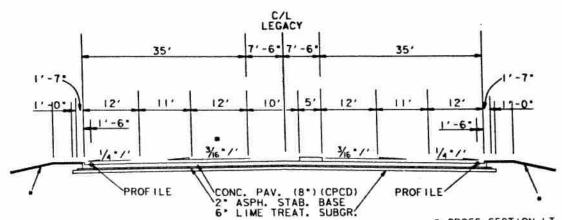
on of tensocial Action Column



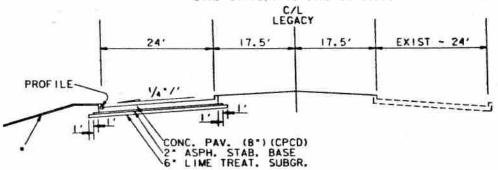
TYPICAL SECTION CONNECTION ROAD



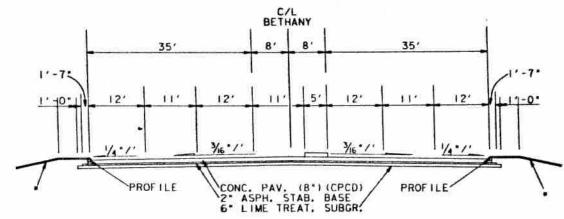
. 4" MULCH SOD & SEED.



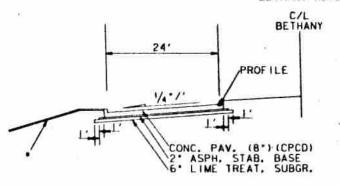
TYPICAL SECTION STA. 57+79.7 TO STA. 60+90.93 CROSS SECTION LT. STA. 58+00 =1/4*/'
TRANSITION FROM 1/4*/' TO TYPICAL SECTION
FROM STA. 58+00 TO 59+00.



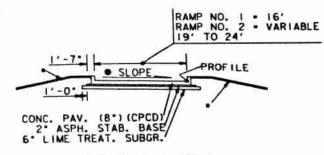
TYPICAL SECTION LEGACY DRIVE STA. 56+01 TO 57+79.7



TYPICAL SECTION
BETHANY ROAD

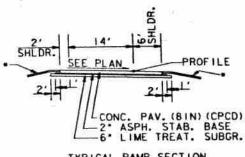


TYPICAL SECTION TURNAROUND

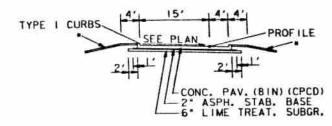


RAMP NO. 1 -1/4"/"
RAMP NO. 2 -1/4"/"

TYPICAL SECTION LEGACY RAMPS



TYPICAL RAMP SECTION WITH SHOULDERS



TYPICAL RAMP SECTION WITH CURBS



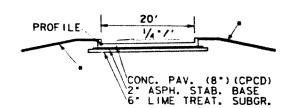
4 126 190

TYPICAL SECTIONS

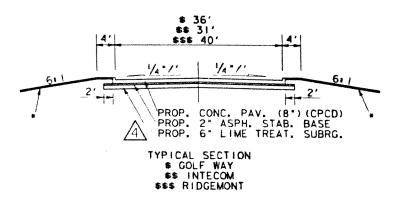
22	51435	PERKE AND PROJET NO.				
	TI XAS	FR	539	149)	US75
STATE OF LAND	COMIT		-	-	:	-
LB	COL	LIN	147	6	66	5

RAMP NO. 1 = 16' RAMP NO. 2 = V'RIABLE 19' TO 24'

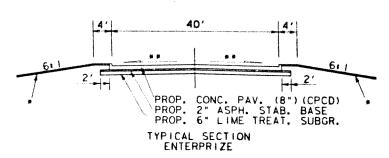
PROF ILE



TYPICAL SECTION CONNECTION ROAD

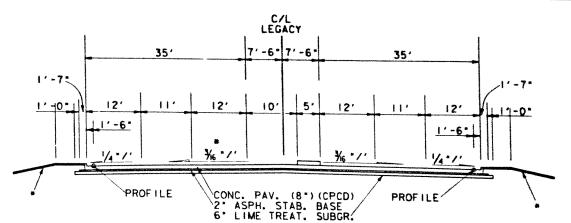


* 4" MULCH SOD & SEED.



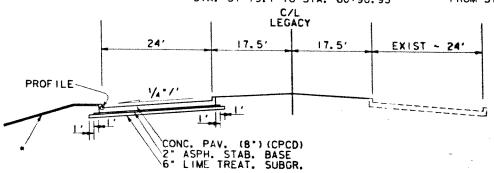
** MATCH EXISTING SLOPE



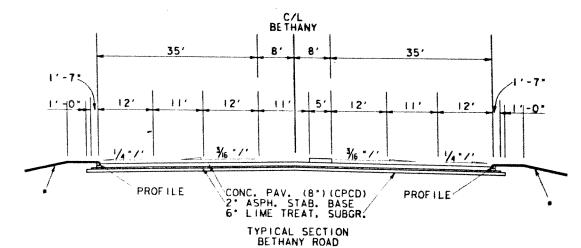


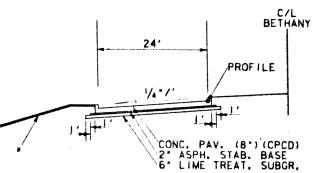
TYPICAL SECTION STA. 57+79.7 TO STA. 60+90.93

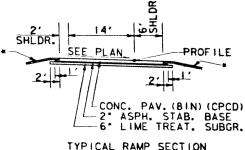
* CROSS SECTION LT. STA. 58+00 =1/4*/'
TRANSITION FROMI/4*/' TO TYPICAL SECTION
FROM STA. 58+00 TO 59+00.



TYPICAL SECTION LEGACY DRIVE STA. 56+01 TO 57+79.7







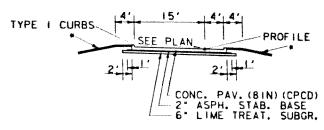
SLOPE.

• RAMP NO. 1 =1/4"/"
RAMP NO. 2 =1/4"/"

TYPICAL SECTION LEGACY RAMPS

CONC. PAV. (8") (CPCD)/ 2" ASPH. STAB. BASE/ 6" LIME TREAT. SUBGR.

TYPICAL RAMP SECTION WITH SHOULDERS



TYPICAL RAMP SECTION WITH CURBS

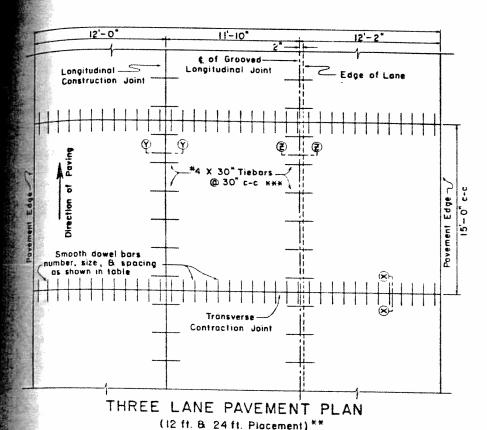


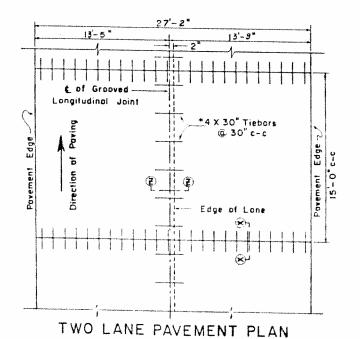


COLLIN

TYPICAL SECTION TURNAROUND

FIELD CHANGE NO.





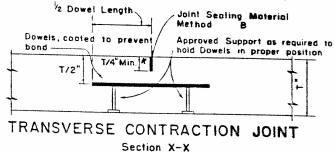
Edge of Lane #4 X 30" Tiebors to 30" c-c

TYPICAL SECTION

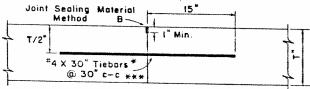
(27'-2" Plocement) **

** Lone widths are for illustrative purposes only and should not be used it in conflict with typical cross sections shown elsewhere in

At locations where the pavement width is greater than 40 feet but less than 60 feet the fire bur spacing shall be 17° center to center. At locations where povement width is 60 feet and prester #5 lie bors 36° long shall be 16° center to center. WHERE PAVEMENT WINTH IS LESS THAN 40 FEET, THE THE BOR SPECIAL SUBJECT CENTER TO COUNTRY.

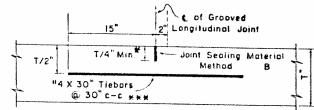


T/S FOR SILICEOUS GROVEL



LONGITUDINAL CONSTRUCTION JOINT Section Y-Y

* WITH THE APPROVAL OF THE ENGINEER, MULTIPLE PIECE TIEBARS (THREADED COUPLING OR OTHER ADEQUATE DEVICE) MAY BE USED TO FACILITATE CONSTRUCTION PROVIDED THE SYSTEM DEVELOPS A FORCE EQUAL TO 1 1/2 TIMES THE MINIMUM FORCE OF THE TIEBAR SHOWN. THE SPACINGS FOR THE SYSTEM SHALL BE LESS THAN OF EQUAL TO THE SPACING ALLOWED FOR BARS OF SIMILAR YIELD STRENGTH.



GROOVED LONGITUDINAL JOINT Section Z-Z A T/2 FOR SILICEOUS GRAVEL GENERAL NOTES

- NO EXPANSION JOINTS WILL BE USEN EXCEPT AT STRUCTURE ENUS OR FIXEN OBJECTS AS SHOWN ELSE-WHERE IN THE PLANS.
- FOR FURTHER INFORMATION REGARDING THE PLACEMENT OF CONCRETE AND LOAD TRANSFER DEVICES REFER TO THE GOVERNING SPECIFICATIONS FOR "CONCRETE PAVEMENT".
- DETAILS AS TO PAVEMENT WIDTH, PAVEMENT THICKNESS, AND THE CROWN CROSS-SLOPE SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
- 4. JOINT GROOVE AND SEAL DETAILS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS
- TIEBARS SHALL BE SECURED PARALLEL TO THE PAVEMENT SURFACE AND PERPENDICULAR TO THE CENTER-
- (c) USE OF BAR CHAIRS
 (b) ACCURATELY PLACED IN POSITION ON THE SCREEDED CONCRETE BY MEANS OF AN APPROVED TEMPLATE AND FORCED TO THE PROPER POSITION WITH A SUITABLE TOOL; OR
 (c) BY ANY OTHER MEANS WHICH, PRIOR TO ITS USE, HAS BEEN APPROVED BY THE ENGINEER.

- DOWEL BARS SHALL BE SECURED PARALLEL TO THE PAVEMENT SURFACE AND CENTERLINE BY A DOWEL BAR CHAIR.
- WHEN WORK IS STOPPEU DUE TO BREAKDOWN OR OTHER CAUSE, CONCRETE SHALL BE REMOVED BEYOND LAST CONTRACTION JOINT IN PLACE AND A HEADER INSTALLED.
- WHERE A MONOLITHIC CURB IS SPECIFIED, THE JOINT IN THE CURB SHALL COINCIDE WITH PAVEMENT JOINTS AND MAY BE FORMED BY ANY MEANS WHICH, PRIOR TO ITS USE; HAS BEEN APPROVED BY THE
- 9. CONSTRUCTION JOINTS MAY BE FORMED BY USE OF METAL OR WOOD FORMS EQUAL IN PEPTH TO THE NOMINAL DEPTH OF THE PAVEMENT, OR BY OTHER MEANS WHICH HAVE BEEN APPROVED BY THE ENGINEER PRIOR TO THEIR USE.
- 10. LONGITUDINAL AND TRANSVERSE STEEL SPACING SHALL NOT VARY MORE THAN ONE TWELFTH OF THE SPACING SHOWN HEREON.
- 11. THE TIEBAR SPACINGS SHOWN ARE FOR ASTM DESIGNATIONS: A-615, OR A-616, GRADE 60, TIEBARS, WHICH SHALL NOT BE BENT. IF TIEBARS ARE TO BE BENT, THEY SHALL BE STELL CONFORMING TO ASIM DESIGNATION: A-615, GRADE 40, WITH A CENTER TO CENTER SPACING REDUCED BY ONE TWAD.

DEPTH OF	DOWELS (SMOOTH BARS)					
PAVEMENT (INCHES)	SIZE AND LENGTH	AVERAGE SPACING (INCHES)	WEIGHT PER FOOT OF JOINT (LBS.)			
8	ľ" X 18″	12	4.01			
9	الله X 20"	12	5.63			
10	14 X 22"	12	7.65			
11	18 X 24"	12	10.10			
12	11 X 26"	12	/3.02			

NOTE: TIEBARS USED IN LONGITUDINAL TOINTS GHALL NOT BE PLACED WITHIN 15" OF TRANSVERSE TOINTS.



النهوج يبدي

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

CONCRETE PAVEMENT DETAILS CONTRACTION DESIGN CPCD - 80 (1) (MOD)

PELEMAL PROJECT NO 1744 FR E39 (29)
1100-11 (1041 507) 110
1100-11 (1041 507) 110
1100-11 (1041 507) 110