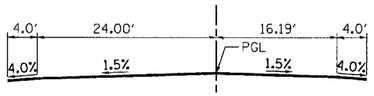
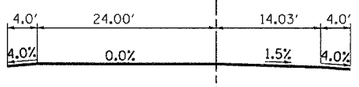
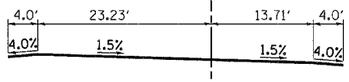
℄ PR. ST. CLAIR AVE. CONNECTOR



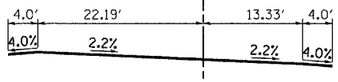
STA. 21+40.00
(NORMAL CROWN)



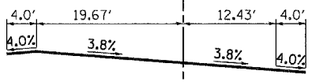
STA. 21+70.00



STA. 22+00.00

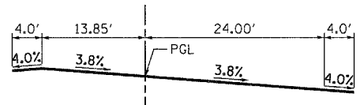


STA. 22+13.40
PC

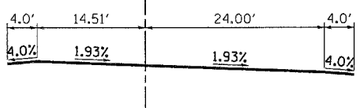


STA. 22+45.00
(FULL S.E.)

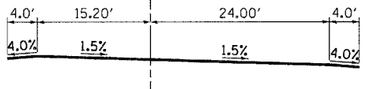
℄ PR. ST. CLAIR AVE. CONNECTOR



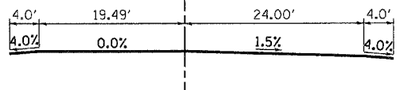
STA. 30+80.00
(FULL S.E.)



STA. 31+16.63
PC



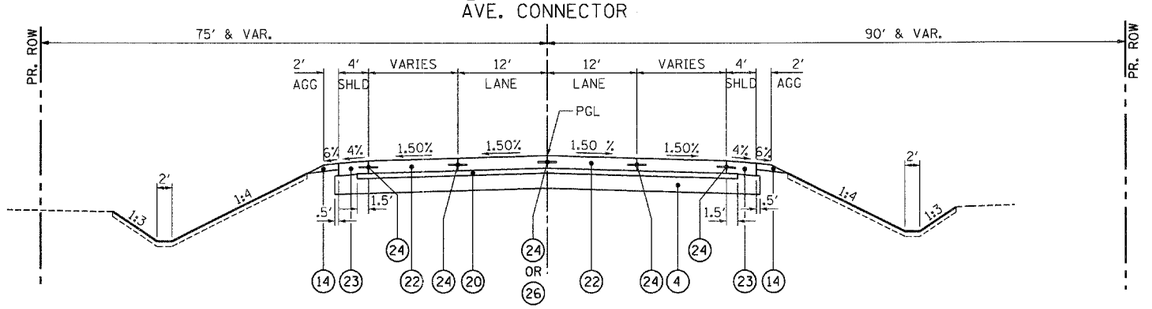
STA. 31+25.00



STA. 31+55.00

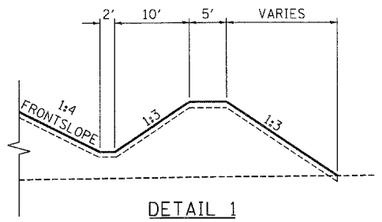
STA. 31+85.00
(NORMAL CROWN)

℄ PR. ST. CLAIR AVE. CONNECTOR



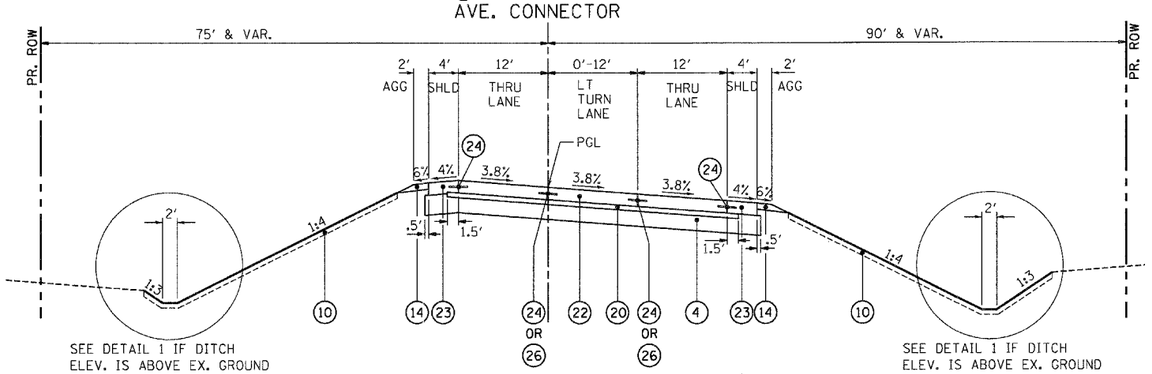
FF PROPOSED TYPICAL SECTION ST. CLAIR AVE. CONNECTOR

FROM STA. 20+00.00 TO STA. 21+40.00
& STA. 31+85.00 TO STA. 32+54.37



DETAIL 1

℄ PR. ST. CLAIR AVE. CONNECTOR



GG PROPOSED TYPICAL SECTION ST. CLAIR AVE. CONNECTOR

FROM STA. 21+40.00 TO STA. 31+85.00
S.E. TRANSITION FROM 21+40 (N.C.) TO 22+45 (3.8%)
S.E. TRANSITION FROM 30+80 (3.8%) TO 31+85 (N.C.)

ST. CLAIR AVE. CONNECTOR

STRUCTURAL DESIGN TRAFFIC: YEAR 2030

PV = 14,877 SU = NA MU = 1,653

ROAD/STREET CLASSIFICATION: CLASS 2

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = NA M = 50%

TRAFFIC FACTOR ACTUAL TF = 9.40 AC TYPE = 20

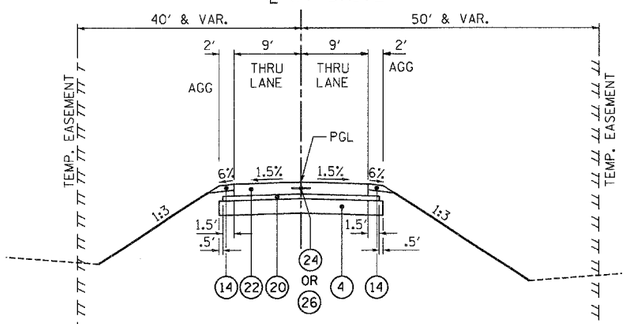
MINIMUM TF = 5.51

PG GRADE: BINDER = NA SURFACE = NA

SUBGRADE SUPPORT RATING:

SSR = POOR

℄ WT DRIVE



HH PROPOSED TYPICAL SECTION WT DRIVE

FROM STA. 900+50.00 TO STA. 903+13.13

EXISTING LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) AGGREGATE SHOULDER
- (D) CURB AND GUTTER
- (E) BITUMINOUS SHOULDER
- (F) TEMPORARY PAVEMENT
- (G) AGGREGATE SUBGRADE
- (H) EXISTING SIDEWALK
- [R] = REMOVAL

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (2) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (3) RETAINING WALL (BY OTHERS)
- (4) AGGREGATE SUBGRADE 12"
- (5) CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT
- (6) CONCRETE BARRIER BASE
- (7) AGGREGATE SURFACE COURSE, TYPE B, 12" (NOT USED)
- (8) EMBANKMENT
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) SEEDING & LANDSCAPING BY OTHERS
- (11) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 15.75"
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (14) AGGREGATE SHOULDERS, TYPE B 6"
- (15) 42" CONCRETE BARRIER (BY OTHERS)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A
- (17) CHAIN LINK FENCE, 6'
- (18) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- (19) CONCRETE MEDIAN SURFACE, 6"
- (20) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- (21) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (22) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (23) PORTLAND CEMENT CONCRETE SHOULDERS 10"
- (24) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS AT 24" CTS.
- (25) LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS AT 18" CTS.
- (26) LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS AT 30" CTS.

ALL TIE BARS SHALL BE EPOXY COATED

- (27) AGGREGATE BASE COURSE, TYPE B 6"
- (28) PORTLAND CEMENT CONCRETE PAVEMENT 12" (JOINTED)
- (29) ANCHORAGE SLAB (BY OTHERS)
- (30) POROUS GRANULAR BACKFILL
- (31) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL OR NON-SPECIAL WASTE DISPOSAL
- (32) LIMITS OF ARCHAEOLOGICAL EXPLORATION EARTH EXCAVATION (SPECIAL) AS REQUIRED UNDER PROPOSED ROADWAY SECTION
- (33) PORTLAND CEMENT CONCRETE SHOULDERS 12"
- (34) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 11 1/4" (BY OTHERS)
- (35) PIPE UNDERDRAINS 4"
- (36) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (37) CONCRETE MEDIAN, TYPE SB-6.12
- (38) CONCRETE MEDIAN, TYPE SB-6.24
- * = BY OTHERS
- [ ] = INDICATES PAYMENT INCLUDED IN COST OF ANOTHER ITEM

NOTE: THE COST OF THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE 12" REQUIRED BENEATH THE SHOULDERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQ YD FOR AGGREGATE SUBGRADE 12".

.\DBCONN-99-MOTIF1.DGN, ..\DBCONN-11-BORDER1.DGN, ..\DBCONN-11-TYPSL.DGN, ..\DBCONN-11-LEGEND1.DGN, ..\DBCONN-11-MOTIF1.DGN, ..\DBCONN-11-SHT-TYPICAL SLOPE.DGN
10-19-2011, 14:57:33 BOND#JD \\FS-8044\AM\VAULT\D-TRANS.87\2202\28888-001\CIVIL\CAD\99 ALL CONTRACTS\CONNSHEETS CONTRACT 11\DBCONN-11-SHT-TYPICAL SLOPE.DGN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JB	REVISED -	
		DRAWN - JB	REVISED -	
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - ACL	REVISED -	
	PLOT DATE = $DATE$	DATE - 10/21/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED RELOCATED IL ROUTE 3 INTERCHANGE

PROPOSED ST. CLAIR AVENUE CONNECTOR
PROPOSED W.T. DRIVE
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 9 OF 9 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1K	ST. CLAIR	353	21
		CONTRACT NO. 76E06		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		