RAMP D

STRUCTURAL DESIGN TRAFFIC: YEAR 2030

PV = 11,092 SU = NA MU = 1,232

ROAD/STREET CLASSIFICATION: CLASS 1

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 100% S = NA M = 100%

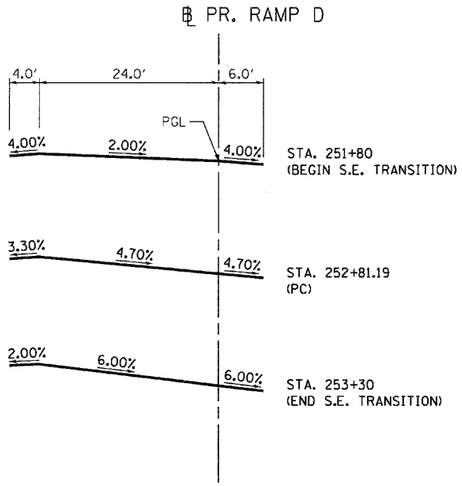
TRAFFIC FACTOR ACTUAL TF = 17.20 AC TYPE = 20

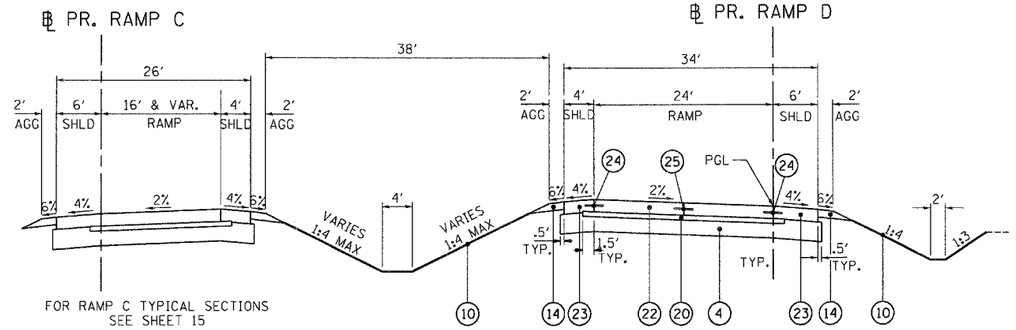
MINIMUM TF = 6.70

PG GRADE: BINDER = NA SURFACE = NA

SUBGRADE SUPPORT RATING:

SSR = POOR

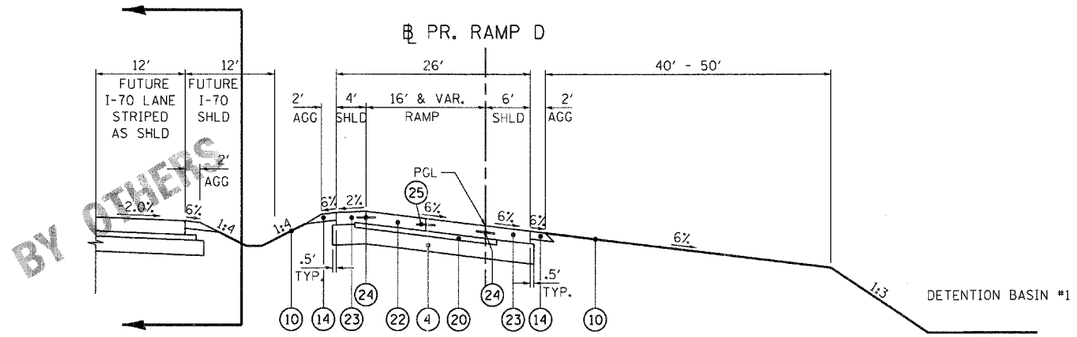




K

PROPOSED RAMP D TYPICAL SECTION

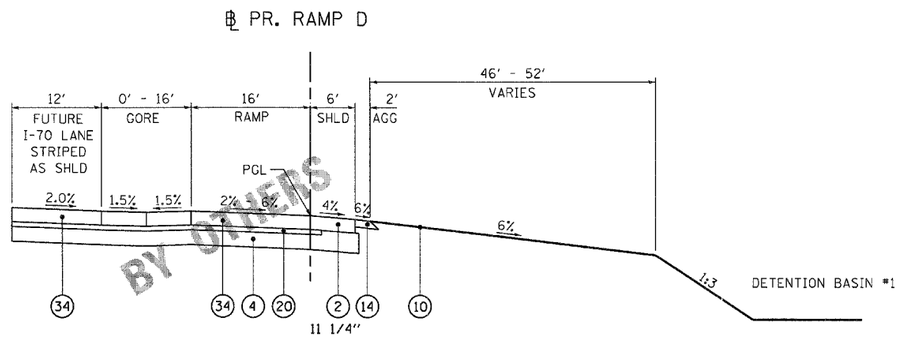
STA. 250+00.00 TO STA. 252+30.00



L

PROPOSED RAMP D TYPICAL SECTION

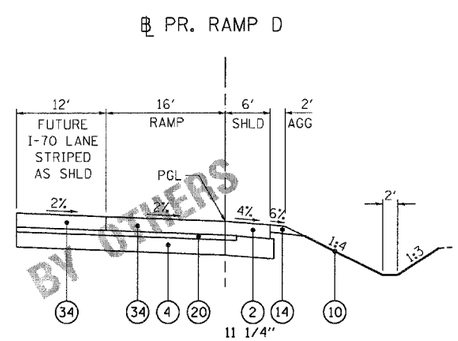
STA. 252+30.00 TO STA. 258+85.00
S.E. TRANSITION 251+80.00 (+2%) TO 253+30.00 (+6%)
PAVING LIMITS END AT STA. 258+00.00



M

PROPOSED RAMP D TYPICAL SECTION

STA. 258+59.78 TO STA. 263+35.79
S.E. TRANSITION 258+85.00 (+6%) TO 260+15.00 (+2%)



N

PROPOSED RAMP D TYPICAL SECTION

STA. 263+35.79 TO STA. 265+35.67

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".

\\DGCONN-99-MOTIFLOGN...\DGCONN-11-BORDERLOGN...\DGCONN-11-TYPSLLOGN...\DGCONN-11-LEGENDLOGN...\DGCONN-11-MOTIFLOGN...\DGCONN-11-MOTIFLOGN...\DGCONN-85-MOTIFLOGN...\DGCONN-11-TYPICAL_4.DGN
10/19/2011 14:25:03
BONDNJG \\FS-02\14-VAN\PROJ\12-7RAMPS-87\C282-2B868-98\CIVIL\CAD\PS\ALL CONTRACTS\CONTRACT 11\DGCONN-11-SHT-TYPICAL_4.DGN

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - JB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED RAMP D TYPICAL SECTIONS
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - JB	REVISED -	PROPOSED RELOCATED IL ROUTE 3 INTERCHANGE	
	PLOT SCALE = $SCALE$	CHECKED - ACL	REVISED -		
	PLOT DATE = $DATE$	DATE - 10/21/11	REVISED -	SCALE: N.T.S. / SHEET NO. 4 OF 9 SHEETS / STA. / TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1K	ST. CLAIR	353	16
		CONTRACT NO. 76E06		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		