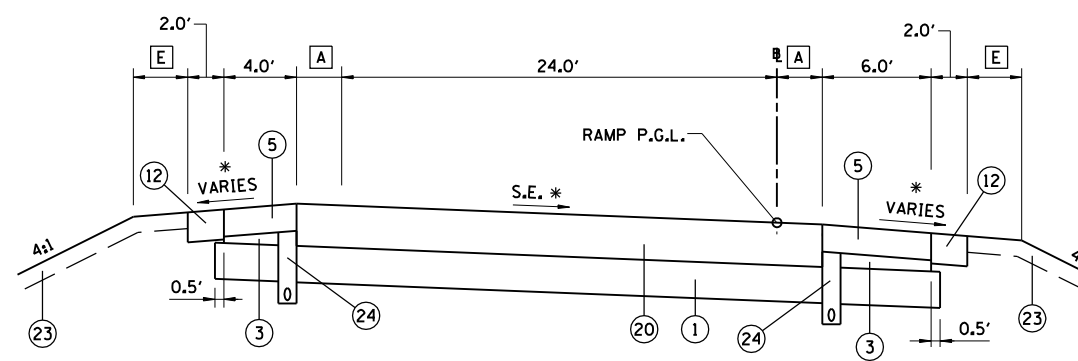


FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8071	*	SANGAMON	559	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(84-9-4)A,HBK,BY,BY-1 * 02-00382-02-PV				



**RAMP A**  
STA 22+98.41 (PT) TO STA 25+93.47 (PC)

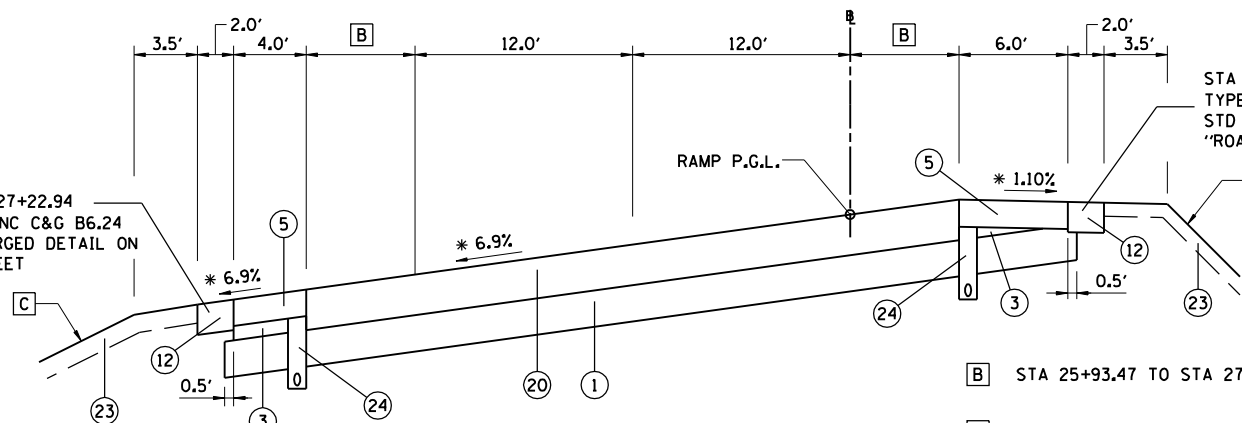
- A** STA 22+98.41 TO STA 25+60.00 = 0.0'  
STA 25+60.00 TO STA 25+93.47 = TAPER 0.0' TO 1.91'
- E** STA 22+98.41 TO STA 24+00.00 = 0.0'  
STA 24+00.00 TO STA 24+10.00 = TAPER 0.0' TO 3.0'  
STA 24+10.00 TO STA 25+93.47 = 3.5'

- LEGEND**
- ① PROCESSING MODIFIED SOILS 12"
  - ② BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 13"
  - ③ SUBBASE GRANULAR MATERIAL, TYPE C
  - ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
  - ⑤ BITUMINOUS SHOULDERS SUPERPAVE 9"
  - ⑥ BITUMINOUS SHOULDERS SUPERPAVE 13"
  - ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
  - ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - ⑨ CONCRETE MEDIAN SURFACE, 4"
  - ⑩ SUBBASE GRANULAR MATERIAL, TYPE C 4"
  - ⑪ PORTLAND CEMENT CONCRETE SIDEWALK 4"
  - ⑫ AGGREGATE SHOULDERS, TYPE B 10"
  - ⑬ BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 10"
  - ⑭ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N50, 1 1/2"
  - ⑮ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50, 1 1/2"
  - ⑯ SUBBASE GRANULAR MATERIAL, TYPE A
  - ⑰ AGGREGATE SHOULDERS, TYPE B 4"
  - ⑱ AGGREGATE BASE COURSE, TYPE A 6"
  - ⑲ SAWING PAVEMENT (FULL DEPTH)
  - ⑳ BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 14"
  - ㉑ BITUMINOUS CONCRETE SHOULDER REMOVAL
  - ㉒ PAVEMENT REMOVAL
  - ㉓ TOPSOIL PLACEMENT 6"
  - ㉔ PIPE UNDERDRAIN STD 601001
  - ㉕ CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL)
  - ㉖ SUBBASE GRANULAR MATERIAL, TYPE A 12"

NOTE: SOIL MODIFICATION, PAVEMENT, SUBBASE, CURBS, SHOULDERS, PIPE UNDERDRAINS AND MEDIAN SHOWN FOR INFORMATION ONLY. SUBGRADE SHALL BE CONSTRUCTED 3" ABOVE PROPOSED BOTTOM OF FUTURE PAVEMENT SUBBASE. TRIMMING THE TOP 3", SOIL MODIFICATION, PIPE UNDERDRAINS & PAVING WILL BE BY OTHERS. SEE EMBANKMENT TYPICAL SECTIONS SHEET.

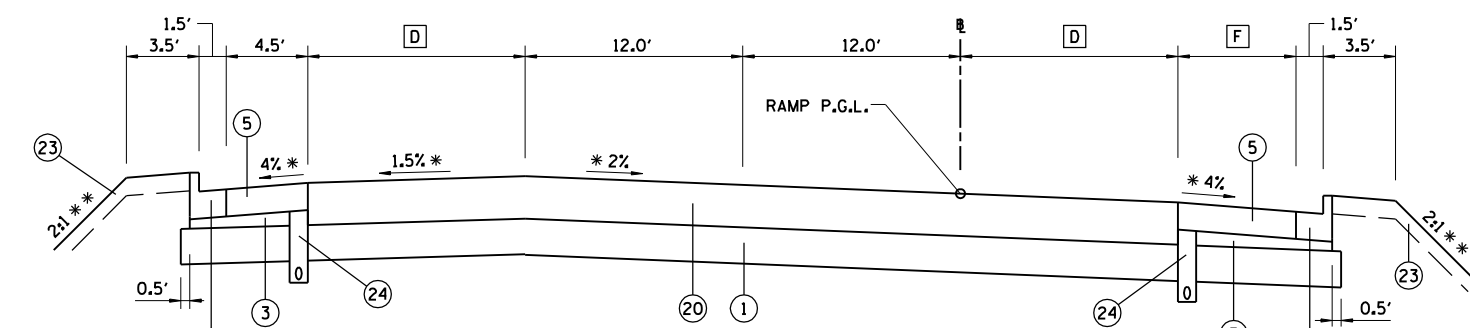
STRUCTURAL DESIGN TRAFFIC YEAR 2013		
PV = 7647	SU = 242	MU = 161
ROAD/STREET CLASSIFICATION:		CLASS
TRAFFIC FACTOR:	ACTUAL TF = 2.22	AC TYPE = 20
	MINIMUM TF = 4.74	
DESIGN STRAIN =	65 MICROSTRAIN	
SUBGRADE SUPPORT RATING:	POOR	

\* SEE RAMP SUPERELEVATION TRANSITION DETAILS.  
\*\* PROVIDE BENCH WITH DITCH IN 2:1 FORESLOPE. SEE SHEET "BENCH & DITCH DETAILS" AND STATION CROSS SECTIONS.



**RAMP A**  
STA 25+93.47 (PC) TO STA 27+22.94 (PT)

- B** STA 25+93.47 TO STA 27+22.94 = TAPER 1.91' TO 9.31'
- C** STA 25+93.47 TO STA 26+00.00 = 4:1  
STA 26+00.00 TO STA 27+00.00 = TRANSITION 4:1 TO 2:1  
STA 27+00.00 TO STA 27+22.94 = 2:1 \*\*



**RAMP A**  
STA 27+22.94 (PT) TO STA 28+52.16 (INTERSECTION OMISSION)

- D** STA 27+22.94 TO STA 27+70.00 = TAPER 9.31' TO 12.0'  
STA 27+70.00 TO STA 28+52.16 = 12.0'
- F** STA 27+22.94 TO STA 27+26.18 = 6.0'  
STA 27+26.18 TO STA 27+34.18 = TAPER FROM 6.0' TO 6.5'  
STA 27+34.18 TO STA 28+52.16 = 6.5'

STA 27+00.00 TO STA 27+22.94  
TYPE 2 OUTLET FOR CONC C&G B6.24  
STD 606006, SEE ENLARGED DETAIL ON  
"ROADWAY DETAILS" SHEET

STA 27+00.00 TO STA 27+22.94  
TYPE 2 OUTLET FOR CONC C&G B6.24  
STD 606006, SEE ENLARGED DETAIL ON  
"ROADWAY DETAILS" SHEET

STA 27+22.94 TO STA 27+26.75  
TYPE 2 OUTLET FOR CONC C&G B6.24  
STD 606006, SEE "ROADWAY DETAILS"  
SHEET

STA 27+22.94 TO STA 27+26.18  
TYPE 2 OUTLET FOR CONC C&G B6.24  
STD 606006, SEE "ROADWAY DETAILS" SHEET  
STA 27+26.18 TO STA 27+34.18  
TRANSITION B6.24 C&G TO B6.18 C&G  
B6.18 C&G STA 27+34.18 TO STA 28+52.16

STA 27+26.75 TO STA 27+34.75  
TRANSITION B6.24 C&G TO B6.18 C&G  
B6.18 C&G STA 27+34.75.00 TO STA 28+52.16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TYPICAL SECTIONS RAMP A -2  
FAI-72, MACARTHUR BLVD  
SEC NO. 02-00382-02-PV  
SEC NO. (84-9-4)A,HBK,BY,BY-1  
SANGAMON COUNTY, ILLINOIS

SCALE: VERT.      DRAWN BY CLG  
          HORIZ.      CHECKED BY JAD  
DATE 12/16/2006



12/16/2006  
\$FILES  
LAYOUT CLG 08/05/06  
DRAWN CLG 08/05/06  
REVIEWED JAD/JMW 08/05/06