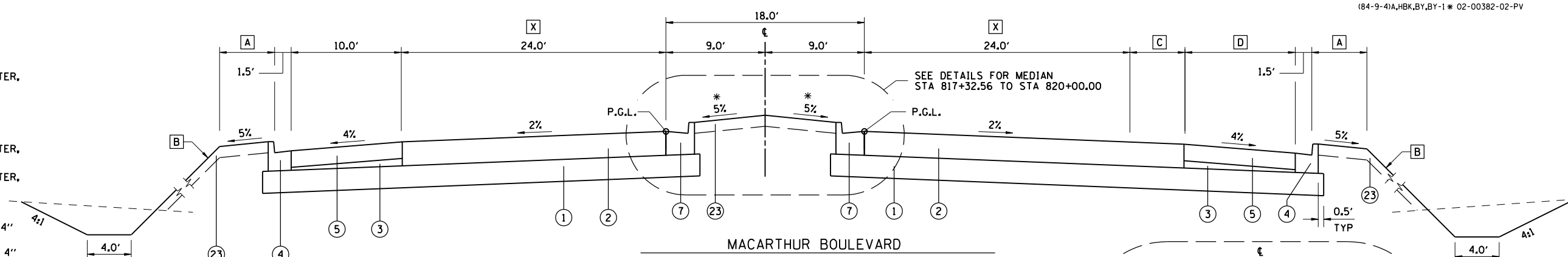


FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8071	*	SANGAMON	559	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(84-9-4)A,HBK,BY,BY-1 * 02-00382-02-PV				

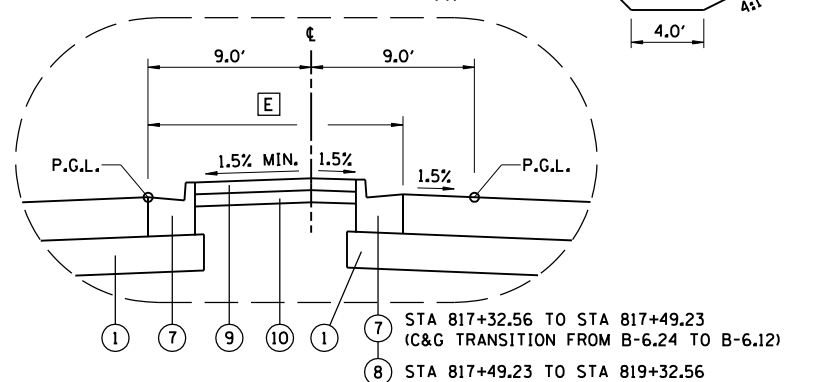
**LEGEND**

- 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"

X FROM STA 803+50 TO 862+00 SEE EMBANKMENT WIDENING PLANS & EMBANKMENT TYPICAL SECTIONS FOR LOCATION OF FUTURE FACE OF CURB.

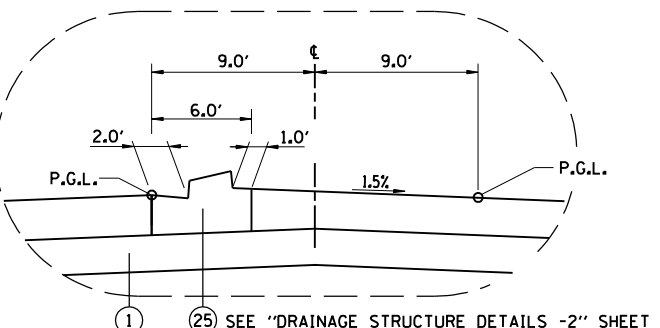


**MACARTHUR BOULEVARD**  
 STA 769+93.00 BEGIN IMPROVEMENT  
 STA 769+93.00 TO STA 771+43.35 RECREATION DRIVE INTERSECTION OMISSION  
 STA 771+43.35 (END RECREATION DRIVE INTERSECTION OMISSION TO STA 781+33.60 (BEGIN TURN LANE TAPER)  
 STA 803+94.99 (END TURN LANE TAPER) TO STA 820+00.00 (BEGIN LINCOLNSHIRE BLVD. INTERSECTION OMISSION)



**MACARTHUR BOULEVARD**  
 STA 817+32.56 TO STA 819+32.56  
 STA 817+32.56 TO STA 817+49.23 (C&G TRANSITION FROM B-6.24 TO B-6.12)  
 STA 817+49.23 TO STA 819+32.56

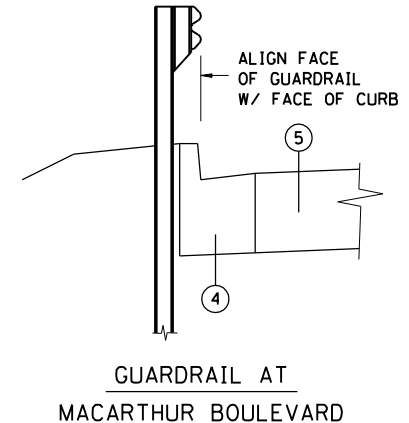
- A STA 771+43.35 TO STA 781+33.60 = 5.0'  
 STA 803+94.99 TO STA 808+00.00 = 3.5'  
 STA 808+00.00 TO STA 810+00.00 = TRANSITION 3.5' TO 5.0'  
 STA 810+00.00 TO STA 820+00.00 = 5.0'
- B STA 771+43.35 TO STA 781+33.60 = 4:1  
 STA 803+94.99 TO STA 808+00.00 = 2:1 (PROVIDE BENCH WITH DITCH. SEE BENCH & DITCH DETAILS SHEET AND STATION CROSS SECTIONS)  
 STA 808+00.00 TO STA 810+00.00 = TRANSITION 2:1 TO 4:1  
 STA 810+00.00 TO STA 820+00.00 = 4:1
- C STA 771+43.35 TO STA 781+33.60 = 0.0'  
 STA 803+94.99 TO STA 817+32.56 = 0.0'  
 STA 817+32.56 TO STA 819+32.56 = TRANSITION 0.0' TO 12.0'  
 STA 819+32.56 TO STA 820+00.00 = 12.0'
- D STA 771+43.35 TO STA 781+33.60 = 10.0'  
 STA 803+94.99 TO STA 817+32.56 = 10.0'  
 STA 817+32.56 TO STA 818+32.56 = TRANSITION 10.0' TO 4.0'  
 STA 818+32.56 TO STA 820+00.00 = 4.0'
- E STA 817+32.56 TO STA 819+32.56 = TRANSITION 18.0' TO 6.0'  
 STA 819+32.56 TO STA 820+00.00 = 6.0'



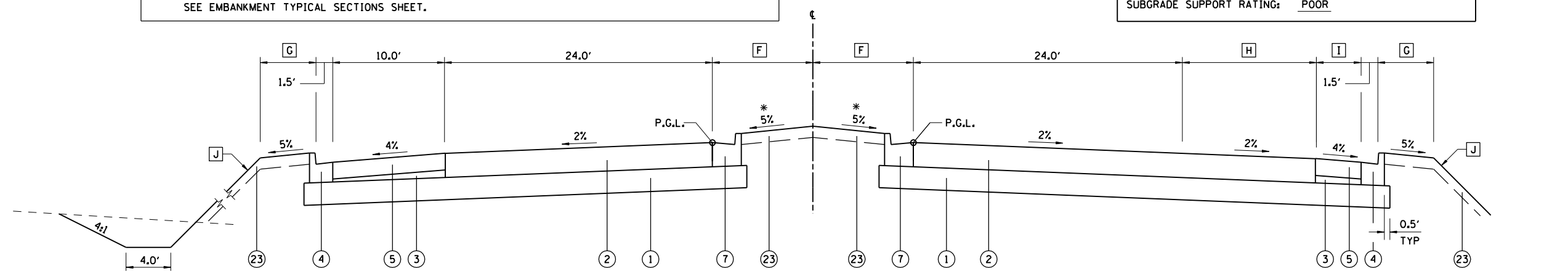
**MACARTHUR BOULEVARD**  
 STA 819+32.56 TO STA 820+00.00

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

STRUCTURAL DESIGN TRAFFIC	YEAR 2013
PV = 20,710	SU = 654 MU = 436
ROAD/STREET CLASSIFICATION:	CLASS I
80,000 *	
TRAFFIC FACTOR:	ACTUAL TF = 2.69 AC TYPE = 20
	MINIMUM TF = N/A
DESIGN STRAIN = 76 MICROSTRAIN	
SUBGRADE SUPPORT RATING:	POOR



**GUARDRAIL AT MACARTHUR BOULEVARD**



**MACARTHUR BOULEVARD**  
 STA 781+33.60 (BEGIN TURN LANE TAPER) TO STA 785+73.80 (BEGIN RAMP A /RAMP B INTERSECTION OMISSION)

- F STA 781+33.60 TO STA 781+91.30 = 9.0'  
 STA 781+91.30 TO STA 785+73.80 = TAPER 9.0' TO 17.5'
- G STA 781+33.60 TO STA 783+00.00 = 5.0'  
 STA 783+00.00 TO STA 785+00.00 = TRANSITION 5.0' TO 3.5'  
 STA 785+00.00 TO STA 785+73.80 = 3.5'
- H STA 781+33.60 TO STA 783+33.60 = TAPER 0.0' TO 12.0'  
 STA 783+33.60 TO STA 785+73.80 = 12.0'
- I STA 781+33.60 TO STA 781+91.30 = TAPER 10.0' TO 6.54'  
 STA 781+91.30 TO STA 782+22.17 TAPER 6.54' TO 4.0'  
 STA 782+22.17 TO STA 785+73.80 = 4.0'
- J STA 781+33.60 TO STA 783+00.00 = 4:1  
 STA 783+00.00 TO STA 785+00.00 = TRANSITION 4:1 TO 2:1  
 STA 785+00.00 TO STA 785+73.80 = 2:1 (PROVIDE BENCH WITH DITCH. SEE BENCH AND DITCH DETAILS SHEET AND STATION CROSS SECTIONS)

\* TRANSITION TO PAVED MEDIAN CROSS SLOPE IN 10.00'

REVISIONS	
NAME	DATE

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

SCALE: VERT. 1"=10'  
 HORIZ. 1"=40'  
 DATE: 12/16/2006  
 DRAWN BY: CLG  
 CHECKED BY: JAD



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