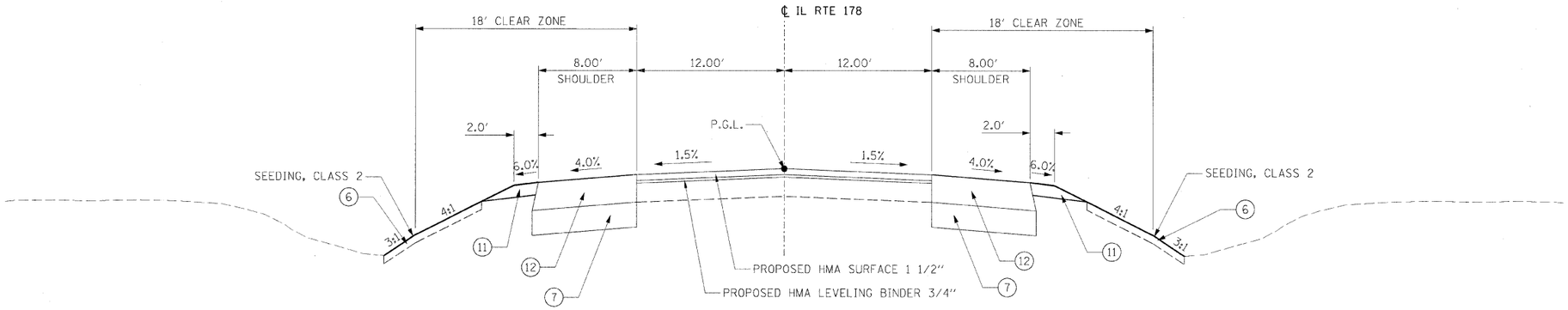
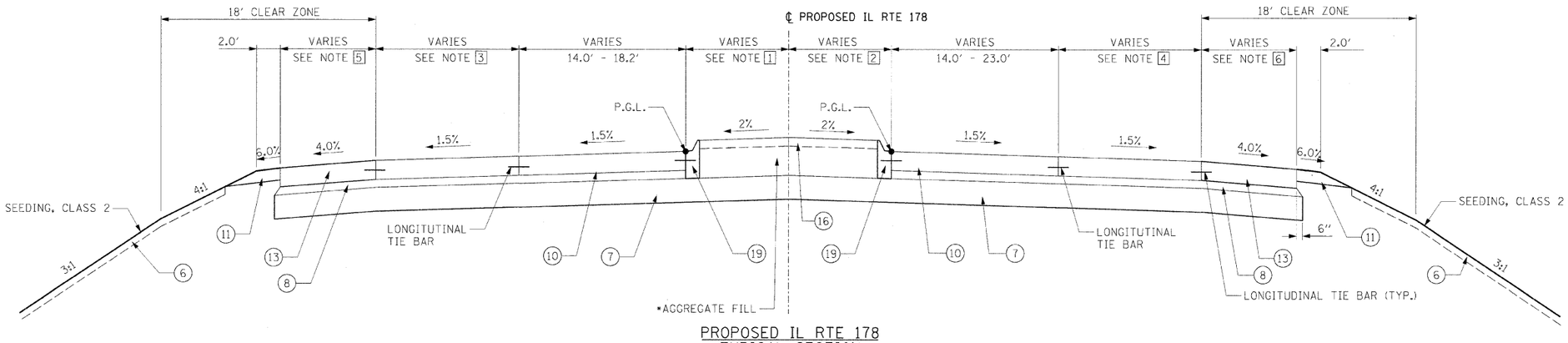
CONTRACT NO 66542

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-3)HBK	LASALLE	492	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED IL RTE 178 TYPICAL SECTION

STA. 136+67.34 TO STA. 141+55.00



PROPOSED IL RTE 178 TYPICAL SECTION

STA. 103+05.46 TO STA. 108+82.80
STA. 121+28.14 TO STA. 124+83.77
STA. 126+84.37 TO STA. 132+55.98

PROP. IL RTE 178 AND RAMPS K AND L INTERSECTION OMISSION
STA. 108+82.80 TO STA. 110+87.31

PROP. IL RTE 178 AND RAMPS I AND J INTERSECTION OMISSION
STA. 119+40.36 TO STA. 121+28.14

PROP. IL RTE 178 AND FRONTAGE RD INTERSECTION OMISSION
STA. 124+83.77 TO STA. 126+84.37

NOTES:

1 MEDIAN WIDTH
STA. 103+05.10 TO STA. 104+34.38 = CORRUGATED MEDIAN
STA. 104+34.38 TO STA. 104+36.35 = TRANSITION FROM 0.0' TO 6.5'
STA. 104+36.35 TO STA. 107+50.19 = TRANSITION FROM 6.5' TO 9.0'
STA. 107+50.19 TO STA. 110+02.02 = 9.0'
STA. 110+02.02 TO STA. 110+43.47 = TRANSITION FROM 9.0' TO 0.0'
STA. 119+77.78 TO STA. 119+80.78 = TRANSITION FROM 0.0' TO 9.0'
STA. 119+80.78 TO STA. 125+62.91 = 9.0'
STA. 125+62.91 TO STA. 125+65.91 = TRANSITION FROM 9.0' TO 0.0'
STA. 126+76.39 TO STA. 126+78.39 = TRANSITION FROM 0.0' TO 9.0'
STA. 126+78.39 TO STA. 127+28.87 = 9.0'
STA. 127+28.87 TO STA. 131+19.05 = TRANSITION FROM 9.0' TO 0.0'
STA. 131+19.05 TO STA. 132+55.98 = NO MEDIAN

3 TURN LANE
STA. 103+05.10 TO STA. 108+91.36 = NO TURN LANE
STA. 120+52.08 TO STA. 122+67.08 = 12.0'
STA. 122+67.08 TO STA. 124+83.77 = TRANSITION FROM 12.0' TO 0.0'
STA. 126+88.10 TO STA. 132+55.98 = NO TURN LANE

5 SHOULDER
STA. 103+05.10 TO STA. 108+91.36 = 8.0'
STA. 121+17.61 TO STA. 124+75.27 = 4.0'
STA. 126+88.10 TO STA. 132+55.98 = 8.0'

NOTES:

2 MEDIAN WIDTH
STA. 103+05.10 TO STA. 104+88.66 = NO MEDIAN
STA. 104+88.66 TO STA. 108+91.36 = TRANSITION FROM 0.0' TO 9.0'
STA. 108+91.36 TO STA. 110+48.76 = 9.0'
STA. 110+48.76 TO STA. 110+51.76 = TRANSITION FROM 9.0' TO 6.0'
STA. 119+86.05 TO STA. 120+27.52 = TRANSITION FROM 0.0' TO 9.0'
STA. 120+27.52 TO STA. 121+43.29 = 9.0'
STA. 121+43.29 TO STA. 123+08.70 = TRANSITION FROM 9.0' TO 0.0'
STA. 123+08.70 TO STA. 125+65.91 = NO MEDIAN
STA. 126+87.40 TO STA. 127+28.87 = TRANSITION FROM 0.0' TO 9.0'
STA. 127+28.87 TO STA. 128+70.04 = 9.0'
STA. 128+70.04 TO STA. 131+69.75 = TRANSITION FROM 9.0' TO 6.6'
STA. 131+69.75 TO STA. 131+71.71 = TRANSITION FROM 6.6' TO 4.5'
STA. 131+71.71 TO STA. 132+55.98 = CORRUGATED MEDIAN

4 TURN LANE
STA. 103+05.10 TO STA. 105+40.53 = NO TURN LANE
STA. 105+40.53 TO STA. 107+40.53 = TRANSITION FROM 0.0' TO 12.0'
STA. 107+40.53 TO STA. 109+55.53 = 12.0'
STA. 121+17.61 TO STA. 124+75.27 = NO TURN LANE
STA. 126+88.10 TO STA. 132+55.98 = NO TURN LANE

6 SHOULDER
STA. 103+05.10 TO STA. 106+50.36 = 8.0'
STA. 106+50.36 TO STA. 107+40.53 = TRANSITION FROM 8.0' TO 4.0'
STA. 107+40.53 TO STA. 109+55.53 = 4.0'
STA. 121+17.61 TO STA. 124+75.27 = 8.0'
STA. 126+88.10 TO STA. 132+55.98 = 8.0'

* AGGREGATE FILL IS TO BE INCLUDED IN THE COST FOR PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH

LEGEND

1. EXISTING GROUND LINE
2. EXISTING HOT-MIX ASPHALT SURFACE COURSE 2 1/4"
3. EXISTING HOT-MIX ASPHALT LEVELING BINDER 3/4"
4. EXISTING PCC PAVEMENT 10"
5. EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A 4"
6. PROPOSED TOPSOIL FURNISH AND PLACE 4"
7. PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
8. PROPOSED STABILIZED SUB-BASE HOT-MIX ASPHALT 4"
9. PROPOSED AGGREGATE BASE COURSE, TYPE B 12"
10. PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
11. PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
12. PROPOSED HOT-MIX ASPHALT SHOULDERS 13 3/4"
13. PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
14. PROPOSED PIPE UNDERDRAINS 4"
15. PROPOSED PIPE UNDERDRAINS 6"
16. PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
17. PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
18. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13 3/4"
19. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
20. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
21. PROPOSED MEDIAN, TYPE SM-4.06
22. PROPOSED HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL (TO BE PAID FOR AS HMA SHOULDERS 6")
23. PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 6"

STRUCTURAL DESIGN TRAFFIC Year 2018
PV = 78% SU = 8.2% MU = 13.8%
ROAD/STREET CLASSIFICATION Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%
TRAFFIC FACTOR Actual TF = 7.97 AC Type = N/A
Minimum TF= 5.51
PG GRADE: Top Binder = SBS PG64-28 Surface = 9 3/4" JOINTED PCC
Bottom Binder = PG64-22
SUBGRADE SUPPORT RATING:
SSR = POOR (Sta. 90+89.13 to 113+73.50)
SSR = POOR (Sta. 116+26.50 to 136+67.10)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
ILLINOIS ROUTE 178
(UTICA ROAD)

SCALE: VERT. N/A HORIZ. N/A
DATE
DRAWN BY JAP
CHECKED BY

LAYOUT	JAP	07/12/05
DRAWN	JAP	07/12/05
REVIEWED	MTM	10/1/07

MODEL NAME = IL RTE 178-3
PLOT DATE = 10/23/2008
FILE NAME = C:\PW_Export\C-58ITYP.dgn
PLOT SCALE = 5.0000 ' / in.
USER NAME = Johnsd09544

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide