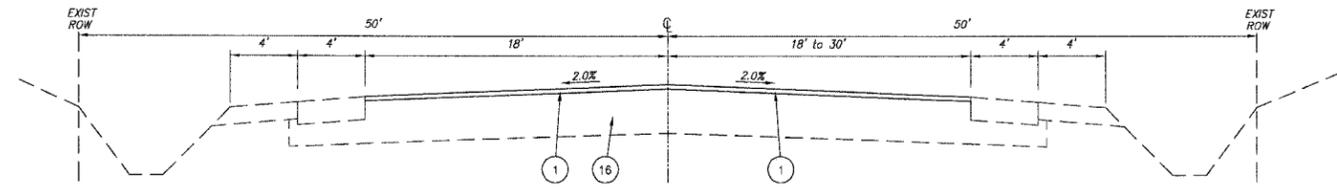
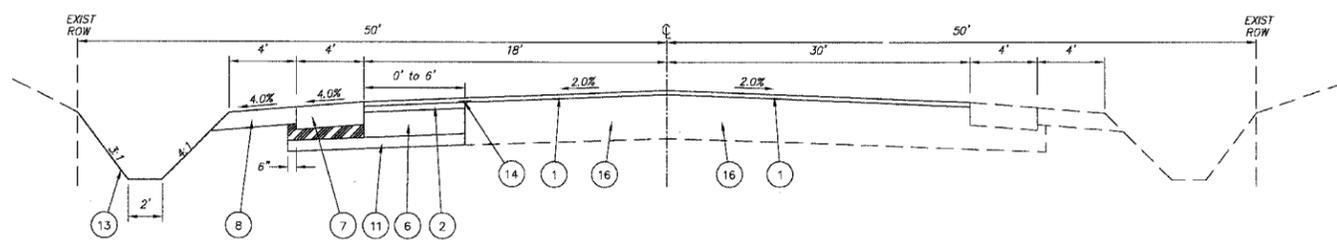


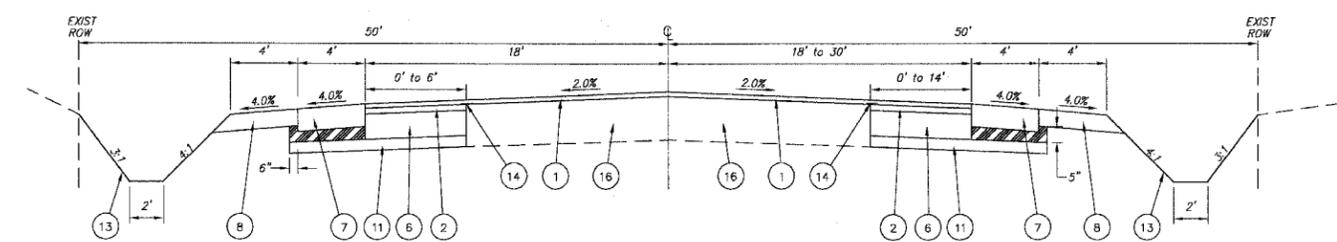
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3873	00-00243-00-FP	MCHENRY	84	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		



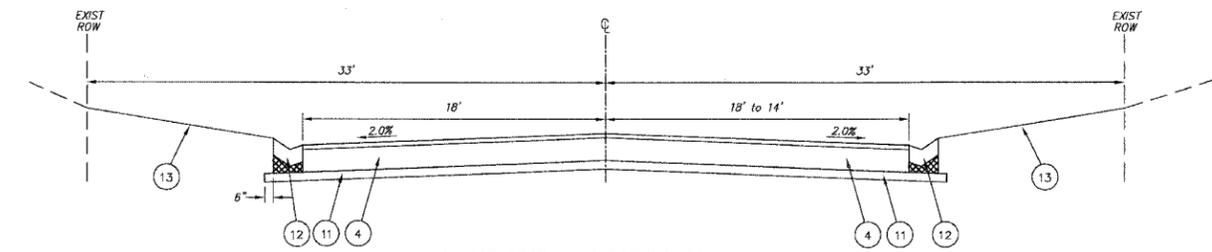
LAKWOOD ROAD - PROPOSED TYPICAL SECTION
STA 309+05 to STA 312+05



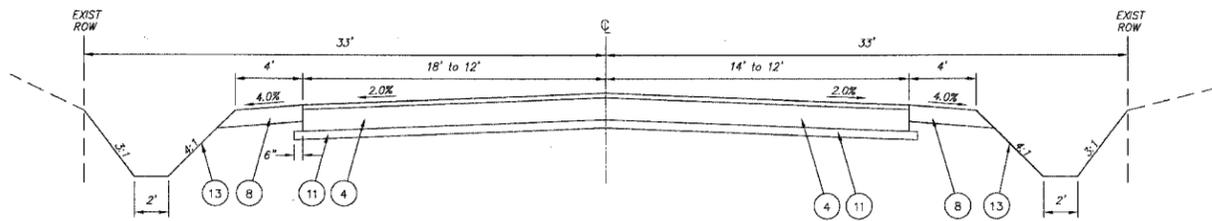
LAKWOOD ROAD - PROPOSED TYPICAL SECTION
STA 312+05 to STA 313+73



LAKWOOD ROAD - PROPOSED TYPICAL SECTION
STA 313+73 to STA 315+06



LAKWOOD ROAD - PROPOSED TYPICAL SECTION
STA 315+06 to STA 319+50



LAKWOOD ROAD - PROPOSED TYPICAL SECTION
STA 319+50 to STA 321+65 **

LEGEND

- POROUS GRANULAR EMBANKMENT, SUBGRADE
- ADDITIONAL SUB-BASE MATERIAL NEEDED TO ACHIEVE CORRECT ELEVATION TO BE CONSIDERED INCIDENTAL TO THE CONCRETE GUTTER
- ADDITIONAL SUB-BASE MATERIAL NEEDED TO ACHIEVE CORRECT ELEVATION TO BE CONSIDERED INCLUDED IN THE SUB-BASE GRANULAR MATERIAL PAY ITEM

"POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSUITABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINE IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO COMPENSATION WILL BE DUE THE CONTRACTOR. THE LIMITS OF THE PGES SHALL EXTEND 6" BEYOND THE EDGE OF THE BITUMINOUS SHOULDER (OR EDGE OF PAVEMENT IF NO BITUMINOUS SHOULDER).

ITEM DESCRIPTION	AC TYPE	VOIDS	RAP %
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70	PC 64-22	4% @ 70 Gyr.	10%
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PC 64-22	4% @ 70 Gyr.	15%
BITUMINOUS BASE COURSE, SUPERPAVE 6" & 9"	PC 58-22	2% @ 50 Gyr.	50%
BITUMINOUS SHOULDERS, SUPERPAVE B"	PC 58-22	2% @ 30 Gyr.	50%
TEMPORARY PAVEMENT	PC 58-22	2% @ 50 Gyr.	50%

"THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/INCH."

LEGEND

- 1 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1.5"
- 2 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 2.5"
- 3 BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 13" (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 2") (BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 11")
- 4 BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 10" (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 2") (BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 8")
- 5 BITUMINOUS BASE COURSE, SUPERPAVE, 6"
- 6 BITUMINOUS BASE COURSE, SUPERPAVE, 9"
- 7 BITUMINOUS SHOULDER, SUPERPAVE, B"
- 8 AGGREGATE SHOULDER, TYPE B, 6"
- 9 POROUS GRANULAR EMBANKMENT, SUBGRADE
- 10 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 11 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 12 CONCRETE GUTTER, TYPE B
- 13 TOPSOIL FURNISH AND PLACE 6" & SEEDING (SPECIAL)
- 14 STRIP REFLECTIVE CRACK CONTROL TREATMENT
- 15 EXISTING SIDEWALK
- 16 EXISTING PAVEMENT TO REMAIN
- 17 EXISTING BITUMINOUS BIKE PATH

* UNDERCUTS ARE FOR WIDENING ONLY.
PGE, SUBGRADE 10" W/UNDERDRAIN - STA. 319+50 TO STA. 321+10
** LAKWOOD ROAD TO BE RESURFACED WITH BITUMINOUS CONCRETE SURFACE FROM STA. 321+65 TO STA. 324+65

NO.	NAME	DATE
7.		
6.		
5.		
4.		
3.		
2.		
1.		

SMITH ENGINEERING CONSULTANTS, INC.
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* MCHENRY * BURLINGTON * YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

MCHENRY COUNTY DIVISION OF TRANSPORTATION
ACKMAN ROAD EXTENSION

PROPOSED TYPICAL
CROSS SECTIONS - LAKEWOOD RD

SCALE: NTS
DATE 10-05-2005
DRAWN BY MRJ
CHECKED BY TEH

PLANT FILE STANDARD
 FOR FILE
 COMM. FILE: typical sections admant.lmk