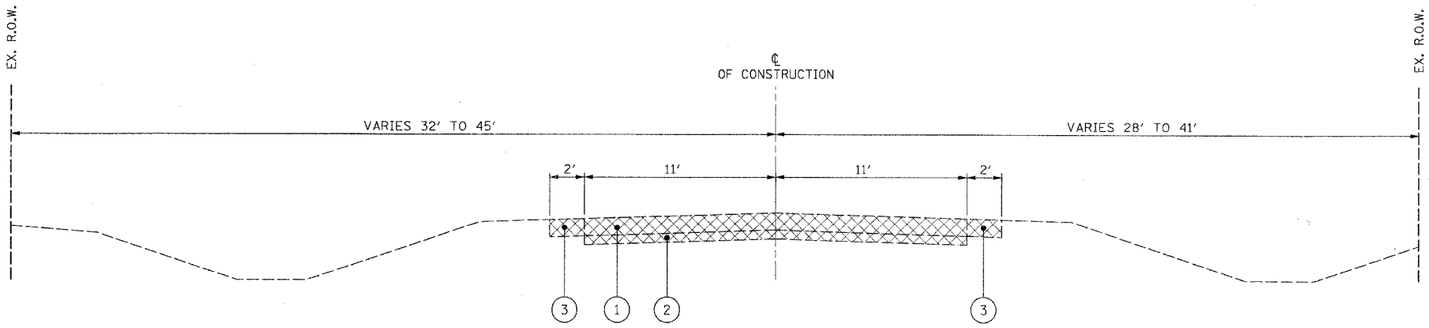
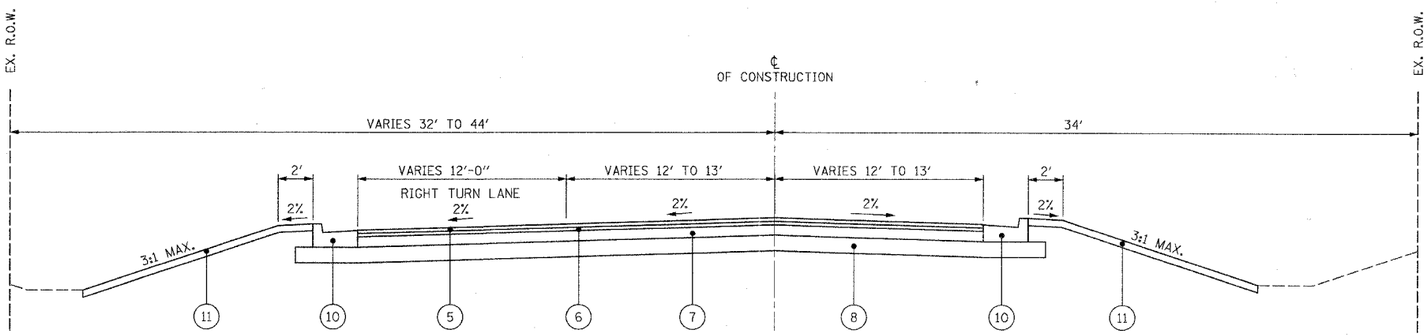
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	03-00052-00-PV	LAKE	78	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NUMBER 63002				



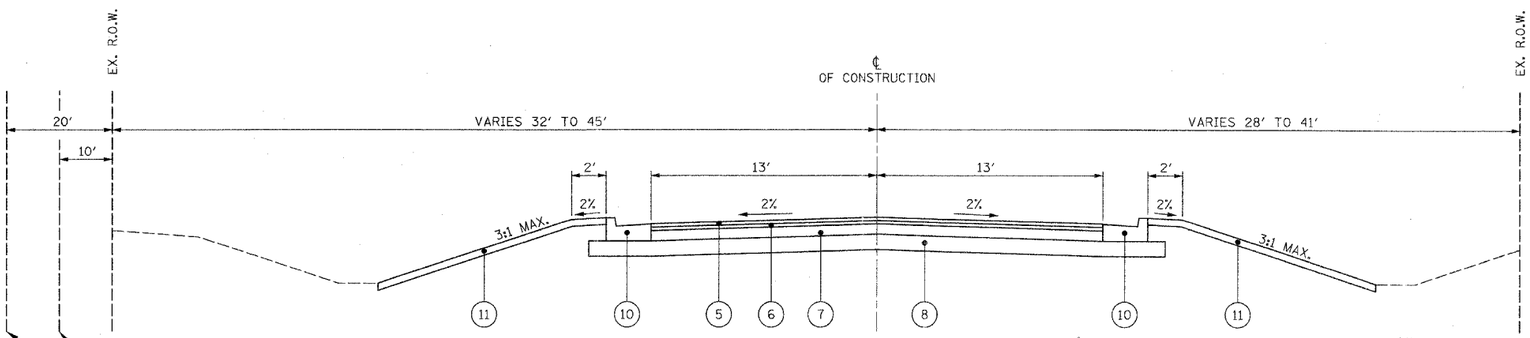
EXISTING SHOREWOOD ROAD

STA. 6+86.48 TO STA. 82+31.17



PROPOSED SHOREWOOD ROAD

STA. 6+86.48 TO STA. 10+88.39



PROPOSED SHOREWOOD ROAD

STA. 10+88.39 TO STA. 16+35.40
STA. 21+92.50 TO STA. 24+61.10
STA. 36+42.42 TO STA. 44+21.49
* STA. 51+00.15 TO STA. 58+83.05
* STA. 72+81.00 TO STA. 82+31.17

LEGEND

1. EXIST. BITUMINOUS PAVEMENT +/- 6"
2. EXIST. SUB-BASE +/- 6"
3. EXIST. AGGREGATE SHOULDER
4. EXIST. BITUMINOUS PATH
5. HMA SURF. CRSE., MIX "C", N50, 2"
6. HMA BINDER CRSE., IL-19.0, N50, 2 1/4"
7. HMA BASE CRSE., 8"

→ HOT-MIX ASPHALT PAVEMENT, (FULL-DEPTH), 12 1/4"

8. PROP. AGGREGATE SUBGRADE, 12"
9. PROP. AGGREGATE BASE COURSE, TYPE B, 14"
10. PROP. COMBINATION CONCRETE CURB & GUTTER, B-6.24
11. PROP. SODDING, SALT TOLERANT
    PROP. SEEDING, CLASS 2A
    PROP. SEEDING, CLASS 4A
    PROP. SEEDING, CLASS 4B
    TOPSOIL FURNISH AND PLACE, 4"
12. PROP. EXPANDED POLYSTYRENE (EPS) EMBANKMENT FILL, 48"
13. HMA SHOULDER, 3"

EXIST. PAVEMENT STRUCTURE TO BE REMOVED

HMA ~~BITUMINOUS~~ MIXTURE REQUIREMENTS

ITEM	AC TYPE	VOIDS
HMA PAVEMENT (FULL-DEPTH) 12 1/4"		
HMA SURFACE COURSE MIX "C", N50 (2")	PG 64-22	4% @ 50 GYR.
HMA BINDER COURSE IL-19.0, N50 (2 1/4")	PG 64-22	4% @ 50 GYR.
HMA BASE COURSE (8")	SBR/SBS PG 58-22	4% @ 50 GYR.
HMA ~~(DET)~~ DRIVEWAY		
HMA CONC. SURF. COURSE, MIX "C", N50 (2")	PG 64-22	4% @ 50 GYR.
HMA ~~(DET)~~ PATH		
HMA CONC. SURF. COURSE, MIX "C", N50 (2")	PG 64-22	4% @ 50 GYR.

NOTE: THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURES IS 112 LB/SY PER INCH THICKNESS.

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC Year 2030

PV 3800 SU 200 MU 0

ROAD/STREET CLASSIFICATION Class II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P= 95% S= 5% M= 0

TRAFFIC FACTOR Actual TF= .23 AC Type= 20

Minimum TF= 3.81

PG GRADE: Binder= 64 Surface= 64

SUBGRADE SUPORT RATING:

SSR= POOR (Sta. 17+50 To Sta. 41+50)

SSR= FAIR (Sta. 6+87 To Sta. 17+50)

(Sta. 41+50 To Sta. 82+38)

ANTICIPATED SUBGRADE REMEDIAL TREATMENT

TREATMENT	DEPTH	LIMITS
PROP. POROUS GRANULAR EMBANKMENT, SUBGRADE	12"	STA. 35+50 TO STA. 38+50
PROP. EXPANDED POLYSTYRENE (EPS) EMBANKMENT	48"	STA. 20+25 TO STA. 22+50

NOTE: POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. 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 UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / MATERIAL QUANTITIES / STRUCTURE QUANTITIES — NOTE BOOK — NO. — C-ADD FILE NAME — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / MATERIAL QUANTITIES / STRUCTURE QUANTITIES — NOTE BOOK — NO. — BY — DATE

REVISIONS	
NAME	DATE

VILLAGE OF GRAYSLAKE

SHOREWOOD ROAD
IL ROUTE 83 TO ROLLINS ROAD

TYPICAL SECTIONS

SCALE:

DATE: 11/06/07

DESIGNED BY: MTK
DRAWN BY: MTK/BB/GP
CHECKED BY: RPI