RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
344	(46-1S&47)WRS-2	LAKE	234	121
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT. NO. 60956

FOR INFORMATION ONLY

NOTE: IDS LOCATION
FOR INTERSECTION DETAILS
SEE INTERSECTION DESIGN STUDY

LAKE COUNTY FOREST PRESERVE DISTRICT

BRAE LOCH GOLF COURSE

BRAE LOCH ROAD
℄ STA. 1136+02.05

STA. 1136+02.05 U.S. RT. 45 =
STA. 10+00 BRAE LOCH RD.

TEMPORARY CONSTRUCTION EASEMENT (TYP.) 280' X 135'

DRIVEWAY TO BE REMOVED

EXISTING R.O.W.

CONCRETE MEDIAN TYPE SB-6.12

PROPOSED R.O.W.

DRIVEWAY TO BE RELOCATED

PAVEMENT TO BE REMOVED (TYP.)

SPEED LIMIT 40

THREE CENTERED CURVE
120'-40'-120'R
5' OFFSET

TWO CENTERED CURVE
60'-220'R
10' OFFSET

GRASSED MEDIAN

MATCH LINE STA. 1126+00

MATCH LINE STA. 1138+00

US ROUTE 45
PROPOSED CURVE #13
PI STA. = 1127+20.71
Δ = 9°14'28.75"
D = 0°45'00.00"
R = 7,639.44'
T = 617.43'
L = 1232.18
E = 24.91'
SE = NORMAL CROWN
PC STA. = 1121+03.28
PT STA. = 1133+35.46

ORCHARD LANE
℄ STA. 1127+98

EXISTING GRASSED MEDIAN

BOTH DIRECTIONS

℄ PROPOSED CURVE #13

COMB. CONC. C&G, TYPE B-6.24

EXISTING ℄

B-105 225' STORAGE

B-106

B-107

B-108

B-109

230' STORAGE

210' TAPER

150' TAPER

350' STORAGE

460' TAPER (50:1)

U.S. ROUTE 45

HORIZONTAL SCALE: 1"=50'-0"

VERTICAL SCALE: 1"=5'-0"

16" Bituminous Concrete

EVALUATE SUBGRADE PER CONE PENETROMETER TESTS AND INSTALL GEO-TEXTILE FABRIC (AS NECESSARY) WITH OVERLYING GRANULAR BLANKET

PROPOSED PROFILE GRADE LINE

EXISTING GRADE LINE

FILL: Intermixed Dark Gr and Gr-Br Clay A-6

Stiff to Very Stiff Br Clay A-6

FILL: Br Sand A-1-b

Dark Br Organic Clay A-6

Possible FILL: Intermixed Br Silty Clay A-6 and Dark Gr Organic Silty Clay A-7-6

Very Stiff Br Clay A-6

Very Stiff to Hard Br-Gr Clay A-7-6

Dark Gr Organic Silty Clay Loam A-7-6

B-105 1128+95 7'Lt NO GWT

B-106 1128+95 21'Rt NO GWT

B-107 1132+85 24'Lt NO GWT

B-108 1135+00 30'Rt NO GWT

B-109 1137+95 46'Lt NO GWT

P.V.I. STA. 1132+00.00 EL. 796.57

P.V.C. STA. 1130+50.00 EL. 797.67

P.V.I. STA. 1133+50.00 EL. 795.12

P.V.C. STA. 1135+00.00 EL. 787.33

P.V.I. STA. 1137+00.00 EL. 785.000

P.V.I. STA. 1138+00.00 EL. 785.59

L.V.C. = 200'
F = 0.730'
K = 68

+0.500%

-2.393%

	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138
EXIST. GRADE LINE ELEV.	799.78	799.32	798.83	798.56	798.10	797.40	796.20	794.44	792.05	789.51	787.36	785.99	785.49
PROP. PROFILE GRADE LINE)	800.27	799.67	799.07	798.47	797.87	797.19	796.02	794.26	792.00	789.67	787.33	785.73	785.59

805 800 795 790 785 780

PLAN — SURVEYED — DATE; PLOTTED — BY; HORIZ. & VERT. CHECKED; BAR. NOTED; STRUCTURE NOTATIONS TYPED; NOTE BOOK; NO.; FILE NAME

PROFILE — SURVEYED — DATE; PLOTTED — BY; HORIZ. & VERT. CHECKED; BAR. NOTED; STRUCTURE NOTATIONS TYPED; NOTE BOOK; NO.

MIRZA ENGINEERING, INC.

GENERALIZED SOIL PROFILE