PROP. CURVE E_176-1
PI STA. = 115+83.84
Δ = 20° 31′ 03″ (LT)
D = 0° 55′ 38″
R = 6,179.11′
T = 1,118.34′
L = 2,212.73′
E = 100.39′
P.C. STA = 104+65.50
P.T. STA = 126+78.22

RECOMMENDED DEWATERING SITE 109+00, 36′ LT

WETLAND SITE #1

EXISTING R.O.W.

CONC HW FOR PIPE DRAIN 111+75, 32′ LT INV. 903.2

15″ FES 113+00, 40′ LT INV 899.5

(15″ SS TY 1 RUBBERGASKET CL A 84′ @ 0.56%)

RECOMMENDED DEWATERING SITE 114+75, 35′ LT

A-1P, 5′ DIA. 113+90, 38′ LT FR. 903.0 INV. E = 900.5 INV. W = 899.0 INV. S = 898.5

A-1P, 4′ DIA. 115+00, 33′ LT FR 906.0 INV S. 904.0 U.D. INV W. 902.0

HMA SURFACE REMOVAL VARIABLE DEPTH (TYP.)

HMA BASE COURSE WIDENING, 10.25″

111+00.00 16.00 LT

111+50.00 16.00 LT

113+00.00 19.00 LT

13′-4″ PIPE UNDERDRAIN (SPECIAL)

50′-4″ PIPE UNDERDRAIN

REMOVE TB 76.0 CY 82′

RCP

CMP

REMOVE

14″

109+50.00 12.00 LT

4′ AGGREGATE SHOULDER

4′ HMA SHOULDER

50:1 TAPER

CLASS D PATCH

51.78′

13′

11′

109

BUTT JOINT

110+00

111

112

113

114

6′ TYP

91″

61″

SAWCUT

8′ HMA SHOULDER

48.22′

109+50.00 12.00 RT

4″

14″ R

HMA BASE COURSE WIDENING, 10.25″

REMOVE EXISTING GUARDRAIL

50′-4″ PIPE UNDERDRAIN

16′-4″ PIPE UNDERDRAIN (SPECIAL)

SIGN WITH FLASHING BEACON TO BE REMOVED

HMA BASE COURSE, 10.25″

REMOVE TB 83.4 CY 90′

MATCH LINE STA. 115+00 SEE SHEET NO. 12

EXISTING R.O.W.

TIE INTO EXISTING GUARDRAIL

IMPROVEMENT BEGINS STA. 109+50

TO BE RELOCATED BY OTHERS

STEEL PLATE BEAM GUARD RAIL WITH 9′ POSTS

WETLAND SITE #2

CONC HW FOR PIPE DRAIN 111+75, 32′ RT INV. 903.1

TO BE RELOCATED BY OTHERS

113+00.00 19.00 RT

24″ SS TY 2 RUBBERGASKET CL A 82′ @ 0.50% TB 55.6 CY 60′

24″ FES 113+90, 48′ RT INV. 898.6

WETLAND SITE #2

RECOMMENDED DEWATERING SITE 114+75, 38′ RT

TO BE RELOCATED BY OTHERS

EXTEND DITCH GRADING AND RESTORATION TO STA. 108+00

ILLINOIS ROUTE 176

N

SCALE: 1″=20′

PLAN — SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES | RT. OF WAY CHECKED | NOTE BOOK | ELEV. NOTED | NO. | CADD FILE NAME | BY | DATE

PROFILE — SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES | ELEV. NOTED | NOTE BOOK | STRUCTURE NO'S CHKD | NO.

910 / 908 / 906 / 904 / 902 / 900 / 898 / 896 / 894

907.02

ex = 0.06′
K = 208
100.00′ V.C.

ex = 0.21′
K = 241
200.00′ V.C.

PROPOSED ℄ PROFILE

EXISTING ℄ PROFILE

PROPOSED NORTH DITCH PROFILE

+50.00 906.54

+50.00 906.30

+00.00 906.30

+00.00 907.13

-0.48% +0.00% +0.00% +0.83%

3.0% 0.5% 0.5% 0.5%

VPI STA. 111+00.00 ELEVATION 906.30

VPI STA. 113+00.00 ELEVATION 906.30

RIM = 906.0

RIM = 903.0

3.0%

10′ - 15″ SS

INV. 902.0

90′ - 15″ SS

INV. 900.5

900.0

15″ FES INV. = 899.5

INV. 899.0

24″ FES INV. 898.5

897.0

+90

ELEVATION
EXISTING ℄ ELEVATION
PROPOSED ℄ ELEVATION

907.38	907.18	906.98 907.02	906.82 906.90	906.66 906.78	906.55 906.66	906.43 906.54	906.33 906.43	906.22 906.36	906.24 906.31	906.26 906.30	906.30 906.30	906.34 906.30	906.35 906.31	906.36 906.35	906.36 906.42	906.36 906.51	906.55 906.62	906.74 906.77	906.97 906.94	907.21 907.13	907.43 907.34	907.65 907.54	907.86 907.75	908.07 907.96
109+00		109+50		110+00		110+50		111+00		111+50		112+00		112+50		113+00		113+50		114+00		114+50		115+00

FILE NAME = P:\2010\100174\cad\phase 2\dwg\100174-sht-plan-rt176.dgn	USER NAME = $USER$	DESIGNED -	REVISED - 02/09/2011	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**IL ROUTE 176 PLAN AND PROFILE IL ROUTE 176 AND BRIARWOOD RD.**
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = 7/18/2011	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	11-00114-00-CH	McHENRY	56	11
		CONTRACT NO. 63551		
	ILLINOIS FED. AID PROJECT			