KENNETH B. TENBOER

PROPOSED SN 098-1067
STA. 1281+24.00
REMOVAL OF EXISTING STRUCTURES NO. 1
88' - 10x8 CIP CONCRETE BOX CULVERT
44' LT - 44' RT
℄ 671.73 - 671.30 0.49%
RIP-RAP CLASS A4 22' x 30' LT
RIP-RAP CLASS A4 24' x 24' RT
HMA SHOULDERS, 6 1/2"
1 1/2" HMA SURFACE COARSE, MIX "C", N50

CONCRETE HEADWALL REMOVAL

PIPE CULVERT REMOVAL

1279+00.00
70.00 LT

1280+21.78
75.00 LT

PROPOSED ROW

CONSTRUCTION LIMITS

EXISTING R.O.W.

EXISTING R.O.W.

AGGREGATE SHOULDERS, TYPE B

STA. 1282+67 - 1283+17 45' LT
℄ = 633.10 TO 631.67 = 2.86%
50' P CUL, CL D, T1, 15"
2 EA. END SECTIONS, 15"

FE+92

24'

CONSTRUCTION LIMITS

1283+45.00
19.20 LT

1283+45.00
13.20 LT

1284+16.50
23.39 LT

1284+16.50
13.22 LT

IMPROVEMENT ENDS
STA. 1284+16.50

1281+63.00
13.40 LT

MATCHLINE STA. 1278+75

13'

13'

1279 | 1280+00 | 1281 | 1282 | US RTE 30 | 1283 | 1284

SECTION BEGINS
STA. 1280+83

SECTION ENDS
STA. 1281+63

1279+04.50
12.69 RT

1279+04.50
18.69 RT

CONSTRUCTION LIMITS

AGGREGATE SHOULDERS, TYPE B

HMA SHOULDERS, 6 1/2"
1 1/2" HMA SURFACE COARSE, MIX "C", N50

CLASS C PATCHES, TY IV, 10"

1283+45.00
13.11' RT

1283+45.00
19.20' RT

24'

FE+72.5

1284+16.50
13.06 RT

1284+16.50
23.04 RT

STA. 1283+54.50 - 1283+90.50 40' LT
℄ = 634.17 TO 632.70 = 4.38%
36' P CUL, CL D, T1, 15"
2 EA. END SECTIONS, 15"

EXISTING R.O.W.

PROPOSED ROW

PROPOSED ROW

1279+06.86
60.00 RT

1280+22.79
80.00 RT

1281+17.73
80.00 RT

1282+50.00
75.00 RT

WOVEN WIRE FENCE REMOVAL

1283+00.00
60.00 RT

LEGEND

= PERIMETER EROSION BARRIER
= TEMPORARY DITCH CHECK
= EROSION CONTROL BLANKET
= TURF REINFORCEMENT MAT
= INLET AND PIPE PROTECTION
= ROADWAY DITCH FLOW

EXIST. CURVE 390
PI STA. = 1273+65.30
△ = 3° 11' 13" (LT)
D = 0° 17' 39"
R = 19,477.96'
T = 541.84'
L = 1,083.41'
E = 7.54'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1268+23.45
P.T. STA. = 1279+06.86

Drainage Area =	395.0	acres		
Existing Low Grade Elevation:		684.56	ft. @	1276+91
Proposed Low Grade Elevation:		684.56	ft. @	1276+91

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	243	678.05	676.18
Design	50	497	683.56	678.89
OVT (Existing)	62	531	684.56	-
Base	100	655	-	680.56
OVT (Proposed)	269	975	-	684.56

10-Year Velocit 13.8 fps
10-Year Velocit 10.5 fps

KENNETH B. TENBOER

690 / 685 / 680 / 675 / 670 / 665

CLASS C PATCHES, TYPE IV, 10"

+83

+63

LEFT SIDE DITCH PROFILE

-0.78 %

-3.40 %

-5.30 %

-21.35 %

1:1.5

1:1.5

2.86 %

4.38 %

GRANULAR SUB-GRADE REPLACEMENT
GEOTECHNICAL REINFORCEMENT

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

EXISTING 15" RCP TO BE REMOVED

PROPOSED 10'x8' CIP
BOX CULVERT

6" BEDDING STONE PER SECTION 540 AND
12" BREAKER-RUN CRUSHED STONE

STA. 1277+16 to 1284+16.50		
EARTH EX. =	410.4	CU.YDS.
EMB. =	754.0	CU.YDS.
HAUL IN =	446.2	CU.YDS.

685.00 | 685.27 | 685.57 | 685.89 | 686.18 | 686.48 | 686.80 | 687.16 | 687.55 | 687.92 | 688.28 | 688.65

1279+00 | 1279+50 | 1280+00 | 1280+50 | 1281+00 | 1281+50 | 1282+00 | 1282+50 | 1283+00 | 1283+50 | 1284+00 | 1284+50

PLAN: SURVEYED, DRAWN, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, DRAWN, GRADES CHECKED, BM. NOTED, STRUCTURE NO'S & TYPE CHKD, NOTE BOOK, NO., BY, DATE

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -
c:\pw_work\pwidot\hensonke\d0133232\D208629-sht-plnprf.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Jun 24 07:44:06 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EX SN 098-1019
PLAN & PROFILE SHEETS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	21
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		