RAMP A - PROFILE

IL 31 SOUTHBOUND TRAFFIC LANES
ex = 0.09'
K = 33
50.00' V.C.
+36.00 EL. 642.47
+86.00 EL. 641.85
-2.00%
-0.50%
VPI STA. 300+61.00
ELEVATION 641.97
632.56
+71.00
EL. 632.20
-0.30%
+23.75
EL. 631.58
+90.00
EL. 631.58
-3.25%
+0.00%
+25.00
EL. 632.20
+0.30%
+0.30%
+50.00
EL. 634.70
+1.65%
+45.50
EL. 632.50
ex = 0.26'
K = 48
100.00' V.C.
+35.00 EL. 641.10
VPI STA. 302+85.00
ELEVATION 640.85
-0.50%
+1.60%
+35.00 EL. 641.65
+1.60%
PGL ALONG FACE OF BARRIER
OFFSET = 23.5' LT
PGL ALONG ℄
VPI STA. 307+20.00
ELEVATION 647.81
VPI STA. 307+20.00
ELEVATION 647.79
+50.00
EL. 639.00
+2.65%
1.00%
PROPOSED SURFACE ELEVATION
AT DITCH (NORTH OF RAMP A)
-3.16%
+15.00 EL. 649.31
+15.00 EL. 650.30
ex = -0.15'
K = 82
100.00' V.C.
+36.00
EL. 631.00
+1.60%
VPI STA. 308+65.00
ELEVATION 650.11
+0.38%
EXISTING SURFACE AT
BASE LINE
PROPOSED SURFACE AT PGL
PROFILE
CONTINUED
BELOW
PROFILE CONTINUED ABOVE
+31.00
EL. 631.00
+1.57%
PROPOSED DITCH (NORTH
OF RAMP A)
EXISTING SURFACE
ELEVATION AT BASE LINE
PROPOSED SURFACE ELEVATION
AT PGL
STA. 317+80.37
653.59
+0.00%

300+00	301+00	302+00	303+00	304+00	305+00	306+00	307+00	308+00	309+00	310+00	311+00
641.62	636.67	637.18	636.09	635.17	634.46	631.88	634.10	634.33	634.87	635.95	637.94
643.19	642.22	641.77	641.52	641.27	641.05	641.22	641.89	642.69	643.49	644.29	645.09
	636.35	637.17	639.00	638.50	634.84	633.25	639.07	639.19	639.80	650.21	650.23
										654.56	650.43
										655.72	650.62
										632.08	656.76	650.81
											657.25	651.00
											657.30	651.19

312+00	313+00	314+00	315+00
656.54	655.22	654.13	653.31	652.56	651.36	650.80
651.38	651.57	651.76	651.95	652.14	652.33	652.52

315+00	316+00	317+00
650.80	650.82	650.56	651.11	652.01	650.55
652.52	652.71	652.90	653.09	653.28	653.47

HORIZ. 1" = 50' 50 0 50 100 150 200 250 SCALE IN FEET
VERT. 1" = 5' 5 0 5 10 15 20 25 SCALE IN FEET

RAMP B - PROFILE

THIS SECTION OF PROPOSED
RAMP B PROFILE IS CONTROLLED
BY PROPOSED US 30 PROFILE
667.85
STA. 402+46.55
-1.83%
-5.07%
+50.00 EL. 667.79
VPI STA. 403+00.00
ELEVATION 666.87
+50.00 EL. 664.33
ex = -0.40'
K = 31
100.00' V.C.
PROPOSED SURFACE AT PGL
PGL ALONG ℄
PGL ALONG FACE OF BARRIER
ex = 0.46'
K = 39
120.00' V.C.
+40.00 EL. 649.62
+60.00 EL. 645.39
VPI STA. 407+62.00
ELEVATION 646.48
-5.07%
-1.98%
-1.99%
VPI STA. 407+00.00
ELEVATION 646.58
VPI STA. 407+62.00
ELEVATION 645.35
EXISTING SURFACE AT
BASE LINE
EXISTING SURFACE
ELEVATION AT BASE LINE
PROPOSED SURFACE
ELEVATION AT PGL
ex = 0.26'
K = 39
90.00' V.C.
+04.00 EL. 641.66
+94.00 EL. 641.08
-1.80%
+0.50%
VPI STA. 410+04.00
ELEVATION 641.66
VPI STA. 410+49.00
ELEVATION 640.85
IL 31 SOUTHBOUND
TRAFFIC LANES
ex = 0.09'
K = 33
50.00' V.C.
+48.00 EL. 641.85
+98.00 EL. 642.42
643.19
+0.50%
+2.00%
VPI STA. 412+73.00
ELEVATION 641.97

400+00	401+00	402+00	403+00	404+00	405+00	406+00	407+00	408+00	409+00	410+00	411+00	412+00	413+00
640.41	641.35	661.11	665.61	662.32	656.18	646.79	636.18	634.30	634.38	634.50	640.50	648.27	639.86	638.81	637.70	636.75	635.56	634.47	634.18	633.92	631.54	634.84	635.53	636.41	637.24	641.06
667.79	666.47	664.33	661.80	659.26	656.73	654.19	651.65	649.13	647.04	645.60	645.72	644.73	643.73	642.74	641.74	641.10	641.11	641.36	641.61	641.86	642.51

USER NAME = 1654	DESIGNED - JWB	REVISED -	
	DRAWN - JWB	REVISED -	
PLOT SCALE = 100.0000 ' / IN.	CHECKED - RS	REVISED -	
PLOT DATE = 6/15/2012	DATE - 06/15/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
PROFILES – RAMP A AND RAMP B

SCALE: H=50', V=5' | SHEET NO. -- OF -- SHEETS | (RAMP A) STA. 300+00 TO STA. 314+75 (RAMP B) STA. 400+00 TO STA. 413+34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	•	507	86
	• KANE AND KENDALL		CONTRACT NO. 60133	
		ILLINOIS FED. AID PROJECT		

PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, R/T OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE
PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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