

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308		WHITESIDE	47	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• 109BR-3 & 109BR-4

EXISTING HORIZONTAL AND VERTICAL CONTROL

Chain IL84 contains:
24 CUR 200 10

Beginning chain IL84 description

Point 24 N 1,866,836.4120 E 2,284,042.1130 Sta 128+29.0967

Course from 24 to PC 200 72° 05' 55.6500" Dist 3,706.2501'

Curve Data

Curve 200
P.I. Station 167+95.4916 N 1,868,055.5893 E 2,287,816.4865
Delta = 10° 47' 18.2719" (LT)
Degree = 2° 04' 46.8731"
Tangent = 260.1448'
Length = 518.7516'
Radius = 2,755.0194'
External = 12.2549'
Long Chord = 517.9856'
Mid. Ord. = 12.2007'
P.C. Station 165+35.3468 N 1,867,975.6269 E 2,287,568.9358
P.T. Station 170+54.0983 N 1,868,180.4756 E 2,288,044.6942
C.C. N 1,870,597.2700 E 2,286,722.1071

Course from PT 200 to 10 61° 18' 37.3781" Dist 7,050.9986'

Point 10 N 1,871,565.4100 E 2,294,230.0640 Sta 241+05.0969

Ending chain IL84 description

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1866989.528	2284688.539	588.42	IL84	134+91.2922	52.9929' RT	FIRE HYDRANT, BOLT
402	1870277.463	2291586.88	584.888	IL84	211+68.1105	139.0691' LT	FOUNDATION, CHISELED SQUARE
403	1870820.378	2292911.204	585.421	IL84	225+90.4857	20.4289' RT	TOP OF ABUTMENT, CHISELED SQUARE
454	1868692.534	2289040.99	579.549	IL84	181+73.9031	29.0917' RT	HEADWALL, CHISELED SQUARE
455	1868265.383	2288150.396	586.753	IL84	171+87.5845	23.7399' LT	HEADWALL, CHISELED SQUARE
456	1867702.936	2286884.115	584.403	IL84	157+99.8608	48.9914' RT	PERM. SURVEY MARKER, DISK
490	1866309.12	2282185.938	585.023	IL84	OUT OF CHAIN	-----	PERM. SURVEY MARKER, DISK

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1868809.854	2289159.259	585.48	IL84	183+33.9738	17.0485' LT	GPS CONTROL POINT, PK NAIL
101	1869240.795	2289942.231	585.639	IL84	192+27.7023	19.2072' LT	GPS CONTROL POINT, PK NAIL
102	1867413.772	2285725.564	586.228	IL84	146+08.5153	31.9552' LT	TOPO SURVEY POINT, PK NAIL
103	1867900.176	2287392.762	586.263	IL84	163+44.5101	17.6464' RT	TOPO SURVEY POINT, NAIL
104	1868434.209	2288548.373	584.954	IL84	176+17.7505	19.215' RT	TOPO SURVEY POINT, NAIL
105	1868150.154	2288023.079	586.895	IL84	170+20.7783	16.4252' RT	TRAVERSE STATION, PK NAIL
106	1870818.241	2292829	587.493	IL84	225+17.3477	17.1597' LT	TRAVERSE STATION, PK NAIL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1867031.06	2284729.353	586.631	IL84	135+42.8962	26.0169' RT	GPS CONTROL POINT, PIN
2	1870198.618	2291688.122	585.698	IL84	212+19.0727	21.3009' LT	GPS CONTROL POINT, PIN
3	1871055.726	2293352.204	587.775	IL84	230+90.3278	25.6823' RT	GPS CONTROL POINT, PIN
10	1871565.41	2294230.064	589.239	IL84	241+05.0969	0.0000'	POT, PK NAIL
16	1869754.287	2290919.832	586.32	IL84	203+31.7956	0.3478' LT	POT, PK NAIL
18	1868261.689	2288150.864	586.997	IL84	171+86.2217	20.2747' LT	BRIDGE DECK, CORNER
19	1868236.623	2288104.896	586.958	IL84	171+33.8637	20.3536' LT	BRIDGE DECK, CORNER
20	1868200.989	2288124.346	587.231	IL84	171+33.8193	20.243' RT	BRIDGE DECK, CORNER
21	1868226.005	2288170.309	587.04	IL84	171+86.1489	20.3634' RT	BRIDGE DECK, CORNER
22	1868045.773	2287761.335	586.711	IL84	167+40.1815	0.0000'	POC, PK NAIL
23	1867788.368	2286989.213	586.904	IL84	159+26.1305	0.0000'	POT, PK NAIL
24	1866836.412	2284042.113	587.92	IL84	128+29.0967	0.0000'	POT, PK NAIL
65723018	1867008.78	2284456.006	583.609	IL84	132+75.9342	36.8022' LT	GPS CONTROL POINT, DISK
65723019	1867663.709	2286460.756	584.199	IL84	153+84.9400	43.8114' LT	GPS CONTROL POINT, DISK

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL84	134+91.9214	59.1914' RT	POWER POLE WITH LIGHT, SHINER
501	IL84	136+26.9652	45.3745' LT	POWER POLE WITH TRANSFORMER, SHINER
502	IL84	134+73.5073	45.5998' LT	POWER POLE, SHINER
503	IL84	131+68.5108	62.9663' LT	SIGN, SHINER
504	IL84	131+86.5905	44.7165' LT	POWER POLE, SHINER
505	IL84	131+58.8273	46.0457' RT	POWER POLE WITH LIGHT, SHINER
506	IL84	154+52.4835	41.8354' LT	POWER POLE, SHINER
507	IL84	154+22.3753	40.7039' RT	GUY POLE, SHINER
508	IL84	152+86.0322	45.3162' LT	POWER POLE WITH TRANSFORMER, SHINER
509	IL84	231+76.0596	44.1572' RT	WARNING SIGN, NAIL
510	IL84	231+32.5247	53.1211' RT	16" TREE DECIDUOUS, NAIL
511	IL84	230+41.3381	54.8875' RT	10" TREE DECIDUOUS, NAIL
512	IL84	211+95.1153	24.1418' LT	MAILBOX, NAIL
513	IL84	211+25.8104	26.1467' LT	WARNING SIGN
514	IL84	211+25.8215	26.5522' LT	WARNING SIGN, SHINER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE DRAWN BY CHECKED BY