CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EXISTING HORIZONTAL & VERTICAL CONTROL

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1962721.7431	2432897.8153	806.9900	EXIST52	39+16.4904 R2	4282.2392' LT	TOPO SURVEY POINT, NAIL
101	1962526.8198	2427010.0440	824.6700	EXIST52	1508+01.0686	28.3138' LT	TOPO SURVEY POINT, NAIL
102	1962704.7263	2426882.0740	835.6250	EXIST52	1505+82.6252	34.516' LT	TOPO SURVEY POINT, NAIL
103	1959624.3068	2429989.5356	805.1760	EXIST52	36+77.9570 R2	40.9254' LT	TOPO SURVEY POINT, NAIL
104	1954149.3933	2435692.3200	897.7540	EXIST52	115+92.3778 R2	31.5329' LT	TOPO SURVEY POINT, NAIL
105	1952275.0447	2437197.9497	938.4630	EXIST52	140+05.5728 R2	17.3904' RT	TOPO SURVEY POINT, PK NAIL
106	1951935.5806	2437675.6150	944.7030	EXIST52	145+90.0164 R2	19.0372' LT	TOPO SURVEY POINT, NAIL
107	1943881.2313	2448067.1043	911.6390	EXIST52	279+66.9617 R2	124.3926' RT	TOPO SURVEY POINT, PIN
108	1962548.6713	2427800.2622	806.9340	EXIST52	1512+59.4994	672.3352' LT	TOPO SURVEY POINT, PIN
109	1962538.9380	2428594.6961	768.8600	EXIST52	4+30.6846 R2	1300.7015' LT	TOPO SURVEY POINT, PIN
110	1962540.6148	2428648.4983	767.5610	EXIST52	4+61.7460 R2	1344.6638' LT	TOPO SURVEY POINT, PIN
111	1962137.4283	2427306.6331	809.6310	EXIST52	1512+90.5434	30.5979' LT	TOPO SURVEY POINT, PIN
112	1961614.9700	2427682.7140	788.4270	EXIST52	6+19.1217 R2	16.2096' LT	TOPO SURVEY POINT, PIN
113	1961317.9930	2427874.9110	786.3110	EXIST52	9+70.5544 R2	18.4367' RT	TOPO SURVEY POINT, PIN
114	1960944.3556	2428287.8318	764.1220	EXIST52	15+25.2734 R2	21.1844' RT	TOPO SURVEY POINT, PIN
115	1960597.7670	2428720.5202	761.2620	EXIST52	20+79.6103 R2	13.8677' RT	TOPO SURVEY POINT, PIN
116	1957436.1652	2432532.7041	783.4400	EXIST52	70+30.9467 R2	29.4095' LT	TOPO SURVEY POINT, PIN
117	1952769.6967	2436782.6780	924.3850	EXIST52	133+61.4157 R2	23.3591' LT	TOPO SURVEY POINT, PIN
118	1943972.7038	2448299.8668	902.1110	EXIST52	281+85.6363 R2	27.6557' RT	POT, PK NAIL
119	1943986.6699	2448335.9533	901.3110	EXIST52	282+21.9742 R2	14.3574' RT	POT, PK NAIL
120	1944087.5347	2448514.7947	894.5450	EXIST52	284+02.6449 R2	83.1928' LT	POT, PK NAIL
121	1944339.8849	2448519.8733	897.9410	EXIST52	284+12.3756 R2	335.4064' LT	POT, PK NAIL
122	1962533.2984	2427842.3592	.0000	EXIST52	1512+97.1234	696.6852' LT	PI, NAIL
123	1962558.5426	2428589.9584	.0000	EXIST52	4+12.1804 R2	1308.7253' LT	PI, NAIL
124	1962559.5005	2428618.3134	.0000	EXIST52	4+28.4912 R2	1331.9391' LT	PI, NAIL
125	1962736.4170	2433857.3885	.0000	EXIST52	46+42.4191 R2	4909.9523' LT	PI, NAIL
126	1962557.6701	2426951.3070	.0000	EXIST52	1507+41.0678	0.0000'	PI, NAIL
127	1962500.6827	2426994.2871	.0000	EXIST52	1508+12.4460	0.0055' RT	PI, NAIL
128	1962099.4750	2427296.9297	.0000	EXIST52	1513+14.9997	0.0044' RT	PI, NAIL
129	1961568.7695	2427697.2575	.0000	EXIST52	6+64.7636 R2	0.0021' RT	PI, NAIL
130	1961326.6606	2427891.9447	.0000	EXIST52	9+75.5901 R2	0.0055' RT	PI, NAIL
131	1960967.6709	2428292.8314	.0000	EXIST52	15+14.3189 R2	0.0042' RT	PI, NAIL
132	1960667.3191	2428657.8217	.0000	EXIST52	19+87.0017 R2	0.0022' RT	PI, NAIL
133	1960657.5128	2428669.7398	.0000	EXIST52	20+02.4357 R2	0.0012' RT	PI, NAIL
134	1959541.6886	2430025.0641	.0000	EXIST52	37+57.9896 R2	0.0031' RT	PI, NAIL
135	1957405.2164	2432522.1898	.0000	EXIST52	70+45.2015 R2	0.0044' RT	PI, NAIL
136	1952771.2776	2436749.5663	.0000	EXIST52	133+37.8983 R2	0.0035' RT	PI, NAIL
137	1952284.8270	2437213.0006	.0000	EXIST52	140+10.0220 R2	0.0026' RT	PI, NAIL
138	1952281.4512	2437216.6814	.0000	EXIST52	140+15.0163 R2	0.0034' RT	PI, NAIL
139	1948977.3995	2442122.1980	.0000	EXIST52	199+58.8236 R2	0.0081' RT	PI, NAIL
140	1948386.1922	2443126.3931	.0000	EXIST52	211+24.1278 R2	0.0073' RT	PI, NAIL
141	1944404.3854	2447382.6756	.0000	EXIST52	271+39.6847 R2	0.0028' RT	PI, NAIL
142	1944001.7378	2448374.9035	.0000	EXIST52	282+61.1956 R2	0.0102' RT	PI, NAIL
143	1944004.2866	2448513.1188	.0000	EXIST52	283+99.4344 R2	0.0103' RT	PI, NAIL
144	1949069.4630	2441967.1109	908.9450	EXIST52	197+78.4704 R2	0.6449' LT	POT, PK NAIL
145	1949054.7600	2441937.7360	909.3390	EXIST52	197+60.6162 R2	26.9285' RT	TOPO SURVEY POINT, NAIL
146	1951103.9543	2438572.9936	941.7960	EXIST52	158+20.2190 R2	24.4531' LT	TOPO SURVEY POINT, NAIL
147	1946977.5157	2445519.1102	924.9920	EXIST52	239+00.7200 R2	0.0005' RT	POT, PK NAIL

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
148	1949423.8960	2441363.8115	.0000	EXIST52	190+78.7616 R2	0.0036' RT	PI, NAIL
149	1962512.0899	2427290.8372	.0000	EXIST52	1509+81.9240	243.6116' LT	POT
150	1963969.1720	2425620.6301	858.4270	EXIST52	1487+98.6748	0.0000'	PI, PK NAIL

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
EXIST52	D220	220	221	222	223
EXIST52	D230	230	231	232	233
EXIST52	D240	240	241	242	243
EXIST52	D250	250	251	252	253
EXIST52	D260	260	261	262	263
EXIST52	D270	270	271	272	273
EXIST52	D280	280	281	282	283
EXIST52	D290	290	291	292	293
EXIST52	D300	300	301	302	303
EXIST52	D310	310	311	312	313
EXIST52	D320	320	321	322	323

Chain EXIST52 contains:
D3001 CUR D220 D152 D1210 CUR D230 CUR D240 CUR D250 CUR D260 CUR D270 CUR D28-
0 CUR D290 CUR D300 D1270 CUR D310 CUR D320 D36 D3014

Beginning chain EXIST52 description
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Point D3001 N 1,963,969.1720 E 2,425,620.6301 Sta 1487+98.6748

Course from D3001 to PC D220 134° 16' 03.5735" Dist 891.8616'

Curve Data
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Curve D220
P.I. Station 1502+01.6396 N 1,962,989.8869 E 2,426,625.2747
Delta = 8° 42' 14.9397" (RT)
Degree = 0° 51' 11.3310"
Tangent = 511.1032'
Length = 1,020.2398'
Radius = 6,715.8117'
External = 19.4205'
Long Chord = 1,019.2590'
Mid. Ord. = 19.3645'
P.C. Station 1496+90.5364 N 1,963,346.6426 E 2,426,259.2804
P.T. Station 1507+10.7761 N 1,962,581.8531 E 2,426,933.0651
C.C. N 1,958,537.5382 E 2,421,571.5686

Course from PT D220 to D152 142° 58' 18.5132" Dist 604.2235'

Point D152 N 1,962,099.4777 E 2,427,296.9333 Sta 1513+14.9997

Equation: Sta 1513+14.9997 (BK) = Sta 0+00.0000 (AH) End Region 1 ---------- Begin Region 2

Point D1210 N 1,962,099.4777 E 2,427,296.9333 Sta 0+00.0000

Course from D1210 to PC D230 142° 58' 18.5132" Dist 769.0937'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 2079 (US 52)
SECTION (16, 17, 18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

SCALE: VERT. HORIZ. DRAWN BY
DATE CHECKED BY

PLOT DATE = Thu Mar 09 05:54:46 2007
FILE NAME = c:\pwworking\d06\d0620685\sheet\ex-hvc.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = dossdd

EXISTING HORIZONTAL & VERTICAL CONTROL