

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GRCDT09-00038-00-BT		MASSAC	55	8
FROM STA. 999+98		TO STA. 1216+44		
FEDERAL PROJECT NO. ARA-5045(009)			CONTRACT NO. 99417	

PROJECT BM DESCRIPTION:
 USGS BRASS MONUMENT MARKED: "USA/NAD '83/ILL. EAST #0022"
 ELEV. 339.89, LOCATED 34' LEFT OF CENTERLINE AT STATION 1000+20.60
 NEAR THE WESTERN ENTRANCE TO FORT MASSAC STATE PARK
 METROPOLIS ILLINOIS

MASSAC CREEK BRIDGE (BM #26) DESCRIPTION:
 1/2" X 24" REBAR, WITH PLASTIC SURVEY CAP MARKED "CITY
 OF METROPOLIS". C.P. # 26. ELEV. 337.57. LOCATED 575' RIGHT
 OF CENTERLINE OF EAST PARK ROAD AT STA. 9+50

FOUR MILE CREEK BRIDGE (BM #44) DESCRIPTION:
 1/2" X 24" REBAR, WITH PLASTIC SURVEY CAP MARKED "CITY
 OF METROPOLIS". C.P. # 44. ELEV. 339.12. LOCATED 2' RIGHT
 OF CENTERLINE OF RAILROAD BED AT STA. 1059+73.16.

FOUR MILE CREEK BRIDGE (BM #45) DESCRIPTION:
 1/2" X 24" REBAR, WITH PLASTIC SURVEY CAP MARKED "CITY
 OF METROPOLIS". C.P. # 45. ELEV. 315.86. LOCATED 9' LEFT
 OF CENTERLINE OF RAILROAD BED AT STA. 1063+06.27.

SEVEN MILE CREEK BRIDGE (BM #55) DESCRIPTION:
 1/2" X 24" REBAR, WITH PLASTIC SURVEY CAP MARKED "CITY
 OF METROPOLIS". C.P. (3-7)# 55. ELEV. 339.68. LOCATED ON
 CENTERLINE OF RAILROAD BED AT STA. 1205+87.88

GEOMETRIC CONTROL POINTS			
POINT	DESCRIPTION	NORTHING	EASTING
3	START AT PARK	174299.644	872979.791
5	P.I. CURVE 1	174139.073	873694.268
6	P.I. CURVE 2	174338.632	873628.586
107	P.I. CURVE 3	174448.103	873761.422
10	P.I. CURVE 4	174460.244	873931.883
204	P.I. CURVE 5	174574.513	873935.411
115	P.I. CURVE 6	174731.795	874181.855
201	P.I. CURVE 7	175173.570	874179.766
18	P.I. CURVE 8	175255.733	874037.706
203	P.I. CURVE 9	175795.892	874102.337
22	P.I. CURVE 10	175918.454	874100.898
147	P.I. CURVE 11	174860.120	876271.326
131	P.I. CURVE 12	173471.531	885915.944
124	P.I. CURVE 13	174307.322	889428.909
59	P.I. CURVE 14	172900.694	892176.229

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	174328.447	873007.181	339.89	USGS-0022/BRASS
2	174266.543	872867.810	339.60	GPS-0023/CAP
4	174185.393	873501.993	338.68	PK NAIL
19	175481.079	874052.323	335.33	PK NAIL
23	175839.095	874264.524	340.84	5/8"x24" IRON BOLT
24	174963.441	876059.528	339.09	5/8"x24" IRON BOLT
25	174903.700	876202.791	339.05	5/8"x24" IRON BOLT
26	174879.674	875946.867	337.57	FD CITY CAP
27	174855.390	876369.440	339.05	5/8"x24" IRON BOLT
28	174808.173	876612.842	338.17	5/8"x24" IRON BOLT
29	174718.597	877022.360	312.61	5/8"x24" IRON BOLT
30	174698.036	877429.171	314.18	5/8"x24" IRON BOLT
31	174619.119	877945.651	338.06	5/8"x24" IRON BOLT
32	174554.269	878389.367	338.72	5/8"x24" IRON BOLT
33	174404.060	879428.467	339.24	5/8"x24" IRON BOLT
34	174203.940	880819.829	341.60	5/8"x24" IRON BOLT
35	173975.409	882408.890	343.38	5/8"x24" IRON BOLT
36	173736.456	884070.087	343.15	5/8"x24" IRON BOLT
37	173544.349	885409.611	341.87	5/8"x24" IRON BOLT
38	173512.577	885653.112	341.18	5/8"x24" IRON BOLT
39	173557.190	885554.878	341.45	5/8"x24" IRON BOLT
40	173544.395	885701.154	340.88	5/8"x24" IRON BOLT
41	173510.350	886015.805	340.93	5/8"x24" IRON BOLT
42	173480.618	885968.190	340.20	CITY KAP
43	173570.182	886332.747	340.72	5/8"x24" IRON BOLT
44	173695.461	886868.371	339.12	CITY KAP
45	173783.697	887189.769	315.86	CITY KAP
46	173808.354	887331.667	338.88	5/8"x24" IRON BOLT
47	174011.546	888185.714	339.11	5/8"x24" IRON BOLT
48	174173.086	888875.286	339.96	5/8"x24" IRON BOLT
49	174197.325	889220.180	339.83	5/8"x24" IRON BOLT
50	174170.713	889499.093	340.23	5/8"x24" IRON BOLT
51	174113.150	889744.297	340.65	5/8"x24" IRON BOLT
52	173997.924	890028.326	340.10	5/8"x24" IRON BOLT
53	173841.654	890338.416	338.97	5/8"x24" IRON BOLT
54	173489.432	891026.439	339.22	5/8"x24" IRON BOLT
55	173376.832	891246.011	339.68	1/2"x24" REBAR
56	173380.740	892101.812	336.83	5/8"x24" IRON BOLT
57	173519.443	891366.031	325.75	5/8"x24" IRON BOLT
58	173292.015	891410.411	339.62	5/8"x24" IRON BOLT

