

APPENDIX E

CORPSCON CONVERSION
NAVD88 – U.S. SURVEY FEET TO
NGVD29 – U.S. SURVEY FEET

2006
GEODETIC CONTROL DENSIFICATION
AND RESTORATION

of

JEFFERSON COUNTY, KENTUCKY

JUNE 2006

Jacobi, Toombs and Lanz, Inc.
401 West Main Street, Suite 600
Louisville, Kentucky 40202



Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Input Vertical Coordinates: NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
WC 1	217621.45400 N	217621.45400 N
	1166369.65200 E	1166369.65200 E
Elevation	445.72100	446.17
Convergence	-01 01 28.58504	-01 01 28.58504
Scale Factor	0.999984092	0.999984092
Combined Factor	0.999962773	0.999962773
WC 2RESET	217964.44600 N	217964.44600 N
	1166516.94800 E	1166516.94800 E
Elevation	445.17800	445.63
Convergence	-01 01 27.48687	-01 01 27.48687
Scale Factor	0.999983983	0.999983983
Combined Factor	0.999962690	0.999962690
GPS86-14RESET	212136.79400 N	212136.79400 N
	1163942.03300 E	1163942.03300 E
Elevation	456.94400	457.39
Convergence	-01 01 46.70358	-01 01 46.70358
Scale Factor	0.999985878	0.999985878
Combined Factor	0.999964022	0.999964022
AZI8614-2001	210504.89300 N	210504.89300 N
	1163843.51500 E	1163843.51500 E
Elevation	435.75400	436.20
Convergence	-01 01 47.24168	-01 01 47.24168
Scale Factor	0.999986419	0.999986419
Combined Factor	0.999965576	0.999965576
GREENWOOD#1	238359.35300 N	238359.35300 N
	1181861.30000 E	1181861.30000 E
Elevation	452.63900	453.11
Convergence	-00 59 30.86141	-00 59 30.86141
Scale Factor	0.999977940	0.999977940
Combined Factor	0.999956290	0.999956290
GREENWOOD#2	238360.83300 N	238360.83300 N
	1182602.17200 E	1182602.17200 E
Elevation	455.89600	456.36
Convergence	-00 59 25.09344	-00 59 25.09344
Scale Factor	0.999977936	0.999977936
Combined Factor	0.999956130	0.999956130

Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:
 NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
 NAD 83, Kentucky North - 1601, U.S. Survey Feet
Input Vertical Coordinates: NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
BK 09-01RESET	250101.25600 N	250101.25600 N
	1176693.44700 E	1176693.44700 E
Elevation	443.59100	444.05
Convergence	-01 00 12.69766	-01 00 12.69766
Scale Factor	0.999974961	0.999974961
Combined Factor	0.999953743	0.999953743
BL 09-01RESET	248929.25200 N	248929.25200 N
	1178679.34400 E	1178679.34400 E
Elevation	445.21900	445.69
Convergence	-00 59 57.07019	-00 59 57.07019
Scale Factor	0.999975238	0.999975238
Combined Factor	0.999953943	0.999953943
STA067-2006	221635.53800 N	221635.53800 N
	1228598.05400 E	1228598.05400 E
Elevation	525.21800	525.70
Convergence	-00 53 24.95161	-00 53 24.95161
Scale Factor	0.999982521	0.999982521
Combined Factor	0.999957399	0.999957399
AZI067-2006	221157.21500 N	221157.21500 N
	1229281.56200 E	1229281.56200 E
Elevation	536.80100	537.28
Convergence	-00 53 19.57537	-00 53 19.57537
Scale Factor	0.999982664	0.999982664
Combined Factor	0.999956988	0.999956988
STA028-2001RESET	254115.96600 N	254115.96600 N
	1289632.88900 E	1289632.88900 E
Elevation	574.66100	575.16
Convergence	-00 45 33.36187	-00 45 33.36187
Scale Factor	0.999973604	0.999973604
Combined Factor	0.999946118	0.999946118
AZI028-2001	254079.32200 N	254079.32200 N
	1288052.29700 E	1288052.29700 E
Elevation	568.76200	569.27
Convergence	-00 45 45.67284	-00 45 45.67284
Scale Factor	0.999973617	0.999973617
Combined Factor	0.999946413	0.999946413

Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Input Vertical Coordinates: NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
STA068-2006	263805.21000 N	263805.21000 N
	1254428.11100 E	1254428.11100 E
Elevation	641.33500	641.83
Convergence	-00 50 08.74709	-00 50 08.74709
Scale Factor	0.999971591	0.999971591
Combined Factor	0.999940916	0.999940916
AZI068-2006	264089.87500 N	264089.87500 N
	1253892.22700 E	1253892.22700 E
Elevation	644.15500	644.65
Convergence	-00 50 12.95608	-00 50 12.95608
Scale Factor	0.999971534	0.999971534
Combined Factor	0.999940723	0.999940723
AZITV1-2001RESET	264463.53100 N	264463.53100 N
	1244432.58600 E	1244432.58600 E
Elevation	554.27800	554.78
Convergence	-00 51 26.72664	-00 51 26.72664
Scale Factor	0.999971485	0.999971485
Combined Factor	0.999944974	0.999944974
TV-1	265271.07700 N	265271.07700 N
	1243840.93300 E	1243840.93300 E
Elevation	540.96700	541.47
Convergence	-00 51 31.43227	-00 51 31.43227
Scale Factor	0.999971320	0.999971320
Combined Factor	0.999945446	0.999945446
AZI014-2001RESET	217511.58600 N	217511.58600 N
	1275216.77500 E	1275216.77500 E
Elevation	689.62200	690.13
Convergence	-00 47 21.75115	-00 47 21.75115
Scale Factor	0.999983584	0.999983584
Combined Factor	0.999950599	0.999950599
STA014-2001RESET	217769.21000 N	217769.21000 N
	1274721.36900 E	1274721.36900 E
Elevation	688.05800	688.56
Convergence	-00 47 25.63324	-00 47 25.63324
Scale Factor	0.999983506	0.999983506
Combined Factor	0.999950595	0.999950595

Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Input Vertical Coordinates: NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
AZI8641-2001	273209.78200 N	273209.78200 N
	1275891.53000 E	1275891.53000 E
Elevation	727.51700	728.01
Convergence	-00 47 22.47358	-00 47 22.47358
Scale Factor	0.999969676	0.999969676
Combined Factor	0.999934879	0.999934879
PT#1	250257.75800 N	250257.75800 N
	1169848.20200 E	1169848.20200 E
Elevation	445.56000	446.01
Convergence	-01 01 06.03697	-01 01 06.03697
Scale Factor	0.999974952	0.999974952
Combined Factor	0.999953641	0.999953641
STA005-2001	250221.09100 N	250221.09100 N
	1169036.84800 E	1169036.84800 E
Elevation	445.86600	446.32
Convergence	-01 01 12.35153	-01 01 12.35153
Scale Factor	0.999974965	0.999974965
Combined Factor	0.999953638	0.999953638
AZIBU0701-2001	230350.46100 N	230350.46100 N
	1171200.01000 E	1171200.01000 E
Elevation	436.14000	436.60
Convergence	-01 00 52.76148	-01 00 52.76148
Scale Factor	0.999980220	0.999980220
Combined Factor	0.999959359	0.999959359
BH11-01	257108.26900 N	257108.26900 N
	1182738.81900 E	1182738.81900 E
Elevation	439.72700	440.20
Convergence	-00 59 26.55364	-00 59 26.55364
Scale Factor	0.999973294	0.999973294
Combined Factor	0.999952262	0.999952262
STA002-2001	225533.37600 N	225533.37600 N
	1184377.14600 E	1184377.14600 E
Elevation	477.54500	478.00
Convergence	-00 59 09.55529	-00 59 09.55529
Scale Factor	0.999981563	0.999981563
Combined Factor	0.999958722	0.999958722

Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Translated Horizontal Coordinates:
NAD 83, Kentucky North - 1601, U.S. Survey Feet
Input Vertical Coordinates: NAVD 88, U.S. Survey Feet
Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
STA044-2001	208580.77400 N	208580.77400 N
	1174394.90200 E	1174394.90200 E
Elevation	448.60500	449.04
Convergence	-01 00 24.91698	-01 00 24.91698
Scale Factor	0.999987001	0.999987001
Combined Factor	0.999965543	0.999965543
LOUISVILLE SOUTH	240989.44000 N	240989.44000 N
	1185268.16100 E	1185268.16100 E
Elevation	470.19900	470.66
Convergence	-00 59 04.68869	-00 59 04.68869
Scale Factor	0.999977225	0.999977225
Combined Factor	0.999954735	0.999954735
GPS86-11	257071.65000 N	257071.65000 N
	1172526.83000 E	1172526.83000 E
Elevation	459.13000	459.58
Convergence	-01 00 46.11133	-01 00 46.11133
Scale Factor	0.999973343	0.999973343
Combined Factor	0.999951383	0.999951383
STA009-2001	242934.16900 N	242934.16900 N
	1237384.06900 E	1237384.06900 E
Elevation	508.56200	509.06
Convergence	-00 52 19.10809	-00 52 19.10809
Scale Factor	0.999976501	0.999976501
Combined Factor	0.999952176	0.999952176
RILEY-3	218580.90900 N	218580.90900 N
	1222970.92300 E	1222970.92300 E
Elevation	542.56900	543.05
Convergence	-00 54 08.36285	-00 54 08.36285
Scale Factor	0.999983491	0.999983491
Combined Factor	0.999957539	0.999957539
GPS86-38	245849.39000 N	245849.39000 N
	1260903.76100 E	1260903.76100 E
Elevation	738.97800	739.47
Convergence	-00 49 16.27106	-00 49 16.27106
Scale Factor	0.999975676	0.999975676
Combined Factor	0.999940330	0.999940330

Jacobi, Toombs, and Lanz, Inc.
LOJIC

6/26/106

Original Horizontal Coordinates:

NAD 83, Kentucky North - 1601, U.S. Survey Feet

Translated Horizontal Coordinates:

NAD 83, Kentucky North - 1601, U.S. Survey Feet

Input Vertical Coordinates: NAVD 88, U.S. Survey Feet

Output Vertical Coordinates: NGVD 29, U.S. Survey Feet

Name	Input	Output
STA036-2001	213739.34600 N	213739.34600 N
	1264842.45200 E	1264842.45200 E
Elevation	515.34900	515.85
Convergence	-00 48 42.05101	-00 48 42.05101
Scale Factor	0.999984828	0.999984828
Combined Factor	0.999960178	0.999960178
STA049-2003	230622.88800 N	230622.88800 N
	1289663.01800 E	1289663.01800 E
Elevation	720.71000	721.21
Convergence	-00 45 30.70375	-00 45 30.70375
Scale Factor	0.999979620	0.999979620
Combined Factor	0.999945148	0.999945148