

APPENDIX E

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

2005
GEODETIC CONTROL DENSIFICATION
AND RESTORATION

of

JEFFERSON COUNTY, KENTUCKY

JUNE 2005

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



LOJIC			
27 June 2005			
INPUT		OUTPUT	
State Plane, NAD83 1601 - Kentucky North, U.S. Feet Vertical - NAVD88, U.S. Feet		Geographic, NAD83 Vertical - NGVD29 (Vertcon94), U.S. Feet	
LOUISVILLE SOUTH BASE			1/23
Northing/Y:	240989.4400	Latitude:	38 09 03.69573
Easting/X:	1185268.1600	Longitude:	85 49 58.24030
Elevation/Z:	470.20	Elevation/Z:	470.666
Convergence:	-0 59 04.68869		
Scale Factor:	0.999977225		
Combined Factor:	0.999959941		
KY-05			2/23
Northing/Y:	256631.0500	Latitude:	38 11 42.85082
Easting/X:	1212871.7900	Longitude:	85 44 15.88096
Elevation/Z:	489.33	Elevation/Z:	489.829
Convergence:	-0 55 31.71816		
Scale Factor:	0.999973288		
Combined Factor:	0.999955105		
BOWMAN-RESET			3/23
Northing/Y:	266533.0000	Latitude:	38 13 23.97897
Easting/X:	1233750.6200	Longitude:	85 39 56.27915
Elevation/Z:	537.40	Elevation/Z:	537.902
Convergence:	-0 52 50.22837		
Scale Factor:	0.999971094		
Combined Factor:	0.999950617		
GPS86-43 RESET			4/23
Northing/Y:	278083.4240	Latitude:	38 15 13.92456

Easting/X:	1206849.4580	Longitude:	85 45 35.71476
Elevation/Z:	460.56	Elevation/Z:	461.046
Convergence:	-0 56 21.38016		
Scale Factor:	0.999968979		
Combined Factor:	0.999952178		

STA029-2001	5/23
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Northing/Y:	246862.1350	Latitude:	38 10 18.44266
Easting/X:	1297346.9510	Longitude:	85 26 36.20298
Elevation/Z:	652.92	Elevation/Z:	653.422
Convergence:	-0 44 32.52719		
Scale Factor:	0.999975303		
Combined Factor:	0.999949315		

AZI8624-2001	6/23
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Northing/Y:	236504.8600	Latitude:	38 08 36.84934
Easting/X:	1303550.2300	Longitude:	85 25 16.87943
Elevation/Z:	673.71	Elevation/Z:	674.212
Convergence:	-0 43 43.18261		
Scale Factor:	0.999977947		
Combined Factor:	0.999950972		

STA049-2003	7/23
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Northing/Y:	230622.8900	Latitude:	38 07 36.92506
Easting/X:	1289663.0200	Longitude:	85 28 09.72429
Elevation/Z:	720.82	Elevation/Z:	721.325
Convergence:	-0 45 30.70373		
Scale Factor:	0.999979620		
Combined Factor:	0.999950387		

STA043-2001	8/23
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Northing/Y:	278525.5170	Latitude:	38 15 14.97539
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Easting/X:	1186831.0210	Longitude:	85 49 46.73665
Elevation/Z:	456.05	Elevation/Z:	456.516
Convergence:	-0 58 57.53265		
Scale Factor:	0.999968960		
Combined Factor:	0.999952369		

STA044-2001	9/23
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Northing/Y:	208580.7620	Latitude:	38 03 41.49235
Easting/X:	1174394.9330	Longitude:	85 52 07.21034
Elevation/Z:	448.65	Elevation/Z:	449.090
Convergence:	-1 00 24.91673		
Scale Factor:	0.999987001		
Combined Factor:	0.999970732		

CA20-01	10/23
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Northing/Y:	219430.9210	Latitude:	38 05 34.65927
Easting/X:	1209811.8470	Longitude:	85 44 46.63651
Elevation/Z:	516.20	Elevation/Z:	516.663
Convergence:	-0 55 50.85018		
Scale Factor:	0.999983292		
Combined Factor:	0.999963811		

BS30-02	11/23
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Northing/Y:	235929.8410	Latitude:	38 08 22.45580
Easting/X:	1240222.2800	Longitude:	85 38 29.39614
Elevation/Z:	623.49	Elevation/Z:	623.979
Convergence:	-0 51 56.18130		
Scale Factor:	0.999978341		
Combined Factor:	0.999953743		

AZI060-2005	12/23
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Northing/Y:	239406.9890	Latitude:	38 09 04.94094
Easting/X:	1298845.3130	Longitude:	85 26 16.23738
Elevation/Z:	696.60	Elevation/Z:	697.102
Convergence:	-0 44 20.10725		
Scale Factor:	0.999977192		
Combined Factor:	0.999949118		

STA060-2005	13/23
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Northing/Y:	239444.8320	Latitude:	38 09 05.43992
Easting/X:	1299826.4600	Longitude:	85 26 03.96155
Elevation/Z:	672.16	Elevation/Z:	672.662
Convergence:	-0 44 12.47085		
Scale Factor:	0.999977179		
Combined Factor:	0.999950275		

STA061-2005	14/23
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Northing/Y:	231790.6220	Latitude:	38 07 39.81098
Easting/X:	1228797.3790	Longitude:	85 40 51.57867
Elevation/Z:	490.52	Elevation/Z:	491.015
Convergence:	-0 53 24.62840		
Scale Factor:	0.999979537		
Combined Factor:	0.999961296		

AZI061-2005	15/23
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Northing/Y:	230994.8430	Latitude:	38 07 32.00451
Easting/X:	1229184.5610	Longitude:	85 40 46.57914
Elevation/Z:	504.80	Elevation/Z:	505.292
Convergence:	-0 53 21.51835		
Scale Factor:	0.999979761		
Combined Factor:	0.999960836		

STA062-2005	16/23
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Northing/Y:	212676.3490	Latitude:	38 04 23.57264
Easting/X:	1183687.8110	Longitude:	85 50 11.91603
Elevation/Z:	491.07	Elevation/Z:	491.506
Convergence:	-0 59 13.19592		
Scale Factor:	0.999985587		
Combined Factor:	0.999967294		

AZI062-2005	17/23
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Northing/Y:	213300.6330	Latitude:	38 04 29.86382
Easting/X:	1184396.4040	Longitude:	85 50 03.19029
Elevation/Z:	495.63	Elevation/Z:	496.070
Convergence:	-0 59 07.76792		
Scale Factor:	0.999985379		
Combined Factor:	0.999966868		

STA063-2005	18/23
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Northing/Y:	257129.6730	Latitude:	38 11 44.37190
Easting/X:	1192039.0710	Longitude:	85 48 36.91075
Elevation/Z:	450.22	Elevation/Z:	450.692
Convergence:	-0 58 14.09625		
Scale Factor:	0.999973254		
Combined Factor:	0.999956935		

AZI063-2005	19/23
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Northing/Y:	256922.5310	Latitude:	38 11 42.45505
Easting/X:	1192819.6380	Longitude:	85 48 27.09043
Elevation/Z:	457.51	Elevation/Z:	457.982
Convergence:	-0 58 07.98735		
Scale Factor:	0.999973297		
Combined Factor:	0.999956630		

STA064-2005	
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		20/23	
Northing/Y:	276241.9060	Latitude:	38 14 53.90341
Easting/X:	1195765.2320	Longitude:	85 47 54.26587
Elevation/Z:	449.04	Elevation/Z:	449.512
Convergence:	-0 57 47.56826		
Scale Factor:	0.999969343		
Combined Factor:	0.999953090		

AZI064-2005		21/23	
Northing/Y:	275434.9910	Latitude:	38 14 45.89861
Easting/X:	1195590.3080	Longitude:	85 47 56.28824
Elevation/Z:	450.39	Elevation/Z:	450.862
Convergence:	-0 57 48.82632		
Scale Factor:	0.999969491		
Combined Factor:	0.999953173		

STA065-2005		22/23	
Northing/Y:	273263.9730	Latitude:	38 14 29.22655
Easting/X:	1225384.2090	Longitude:	85 41 42.43211
Elevation/Z:	446.77	Elevation/Z:	447.262
Convergence:	-0 53 56.26265		
Scale Factor:	0.999969805		
Combined Factor:	0.999953664		

AZI065-2005		23/23	
Northing/Y:	272542.3360	Latitude:	38 14 22.12206
Easting/X:	1225567.8380	Longitude:	85 41 39.98885
Elevation/Z:	446.32	Elevation/Z:	446.812
Convergence:	-0 53 54.74278		
Scale Factor:	0.999969940		
Combined Factor:	0.999953821		

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers