

APPENDIX F

CORPSCON CONVERSION  
NAD83 – U.S. SURVEY FEET TO  
NAD83 – METERS  
AND  
NAVD 88 - U.S. SURVEY FEET TO  
NGVD29 – METERS

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



<b>LOJIC</b>			
<b>27 June 2005</b>			
<b>INPUT</b>		<b>OUTPUT</b>	
<b>State Plane, NAD83 1601 - Kentucky North, U.S. Feet Vertical - NAVD88, U.S. Feet</b>		<b>State Plane, NAD83 1601 - Kentucky North, Meters Vertical - NGVD29 (Vertcon94), Meters</b>	
<b>LOUISVILLE SOUTH BASE</b>			<b>1/23</b>
Northing/Y:	240989.4400	Northing/Y:	73453.728
Easting/X:	1185268.1600	Easting/X:	361270.458
Elevation/Z:	470.20	Elevation/Z:	143.459
Convergence:	-0 59 04.68869	Convergence:	-0 59 04.68869
Scale Factor:	0.999977225	Scale Factor:	0.999977225
Combined Factor:	0.999959941	Combined Factor:	0.999959919
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			
<b>KY-05</b>			<b>2/23</b>
Northing/Y:	256631.0500	Northing/Y:	78221.300
Easting/X:	1212871.7900	Easting/X:	369684.061
Elevation/Z:	489.33	Elevation/Z:	149.300
Convergence:	-0 55 31.71816	Convergence:	-0 55 31.71816
Scale Factor:	0.999973288	Scale Factor:	0.999973288
Combined Factor:	0.999955105	Combined Factor:	0.999955081
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			
<b>BOWMAN-RESET</b>			<b>3/23</b>
Northing/Y:	266533.0000	Northing/Y:	81239.421
Easting/X:	1233750.6200	Easting/X:	376047.941
Elevation/Z:	537.40	Elevation/Z:	163.953
Convergence:	-0 52 50.22837	Convergence:	-0 52 50.22837
Scale Factor:	0.999971094	Scale Factor:	0.999971094
Combined Factor:	0.999950617	Combined Factor:	0.999950593

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

GPS86-43 RESET

4/23

Northing/Y:	278083.4240	Northing/Y:	84759.997
Easting/X:	1206849.4580	Easting/X:	367848.450
Elevation/Z:	460.56	Elevation/Z:	140.527
Convergence:	-0 56 21.38016	Convergence:	-0 56 21.38016
Scale Factor:	0.999968979	Scale Factor:	0.999968979
Combined Factor:	0.999952178	Combined Factor:	0.999952155

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

STA029-2001

5/23

Northing/Y:	246862.1350	Northing/Y:	75243.729
Easting/X:	1297346.9510	Easting/X:	395432.142
Elevation/Z:	652.92	Elevation/Z:	199.163
Convergence:	-0 44 32.52719	Convergence:	-0 44 32.52719
Scale Factor:	0.999975303	Scale Factor:	0.999975303
Combined Factor:	0.999949315	Combined Factor:	0.999949291

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

AZI8624-2001

6/23

Northing/Y:	236504.8600	Northing/Y:	72086.826
Easting/X:	1303550.2300	Easting/X:	397322.905
Elevation/Z:	673.71	Elevation/Z:	205.500
Convergence:	-0 43 43.18261	Convergence:	-0 43 43.18261
Scale Factor:	0.999977947	Scale Factor:	0.999977947
Combined Factor:	0.999950972	Combined Factor:	0.999950948

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

STA049-2003

7/23

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Northing/Y:	230622.8900	Northing/Y:	70293.997
Easting/X:	1289663.0200	Easting/X:	393090.075
Elevation/Z:	720.82	Elevation/Z:	219.860
Convergence:	-0 45 30.70373	Convergence:	-0 45 30.70373
Scale Factor:	0.999979620	Scale Factor:	0.999979620
Combined Factor:	0.999950387	Combined Factor:	0.999950362
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA043-2001		8/23	
Northing/Y:	278525.5170	Northing/Y:	84894.747
Easting/X:	1186831.0210	Easting/X:	361746.819
Elevation/Z:	456.05	Elevation/Z:	139.146
Convergence:	-0 58 57.53265	Convergence:	-0 58 57.53265
Scale Factor:	0.999968960	Scale Factor:	0.999968960
Combined Factor:	0.999952369	Combined Factor:	0.999952347
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA044-2001		9/23	
Northing/Y:	208580.7620	Northing/Y:	63575.543
Easting/X:	1174394.9330	Easting/X:	357956.291
Elevation/Z:	448.65	Elevation/Z:	136.883
Convergence:	-1 00 24.91673	Convergence:	-1 00 24.91673
Scale Factor:	0.999987001	Scale Factor:	0.999987001
Combined Factor:	0.999970732	Combined Factor:	0.999970711
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

CA20-01		10/23	
Northing/Y:	219430.9210	Northing/Y:	66882.678
Easting/X:	1209811.8470	Easting/X:	368751.388
Elevation/Z:	516.20	Elevation/Z:	157.479
Convergence:	-0 55 50.85018	Convergence:	-0 55 50.85018

Scale Factor:	0.999983292	Scale Factor:	0.999983292
Combined Factor:	0.999963811	Combined Factor:	0.999963789
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

BS30-02		11/23	
Northing/Y:	235929.8410	Northing/Y:	71911.559
Easting/X:	1240222.2800	Easting/X:	378020.507
Elevation/Z:	623.49	Elevation/Z:	190.189
Convergence:	-0 51 56.18130	Convergence:	-0 51 56.18130
Scale Factor:	0.999978341	Scale Factor:	0.999978341
Combined Factor:	0.999953743	Combined Factor:	0.999953719
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

AZI060-2005		12/23	
Northing/Y:	239406.9890	Northing/Y:	72971.396
Easting/X:	1298845.3130	Easting/X:	395888.843
Elevation/Z:	696.60	Elevation/Z:	212.477
Convergence:	-0 44 20.10725	Convergence:	-0 44 20.10725
Scale Factor:	0.999977192	Scale Factor:	0.999977192
Combined Factor:	0.999949118	Combined Factor:	0.999949094
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA060-2005		13/23	
Northing/Y:	239444.8320	Northing/Y:	72982.931
Easting/X:	1299826.4600	Easting/X:	396187.897
Elevation/Z:	672.16	Elevation/Z:	205.028
Convergence:	-0 44 12.47085	Convergence:	-0 44 12.47085
Scale Factor:	0.999977179	Scale Factor:	0.999977179
Combined Factor:	0.999950275	Combined Factor:	0.999950251
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA061-2005		14/23	
Northing/Y:	231790.6220	Northing/Y:	70649.923
Easting/X:	1228797.3790	Easting/X:	374538.190
Elevation/Z:	490.52	Elevation/Z:	149.662
Convergence:	-0 53 24.62840	Convergence:	-0 53 24.62840
Scale Factor:	0.999979537	Scale Factor:	0.999979537
Combined Factor:	0.999961296	Combined Factor:	0.999961272
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

AZI061-2005		15/23	
Northing/Y:	230994.8430	Northing/Y:	70407.369
Easting/X:	1229184.5610	Easting/X:	374656.204
Elevation/Z:	504.80	Elevation/Z:	154.013
Convergence:	-0 53 21.51835	Convergence:	-0 53 21.51835
Scale Factor:	0.999979761	Scale Factor:	0.999979761
Combined Factor:	0.999960836	Combined Factor:	0.999960813
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA062-2005		16/23	
Northing/Y:	212676.3490	Northing/Y:	64823.881
Easting/X:	1183687.8110	Easting/X:	360788.766
Elevation/Z:	491.07	Elevation/Z:	149.811
Convergence:	-0 59 13.19592	Convergence:	-0 59 13.19592
Scale Factor:	0.999985587	Scale Factor:	0.999985587
Combined Factor:	0.999967294	Combined Factor:	0.999967273
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

AZI062-2005		17/23	
Northing/Y:	213300.6330	Northing/Y:	65014.163

Easting/X:	1184396.4040	Easting/X:	361004.746
Elevation/Z:	495.63	Elevation/Z:	151.202
Convergence:	-0 59 07.76792	Convergence:	-0 59 07.76792
Scale Factor:	0.999985379	Scale Factor:	0.999985379
Combined Factor:	0.999966868	Combined Factor:	0.999966847
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA063-2005		18/23	
Northing/Y:	257129.6730	Northing/Y:	78373.281
Easting/X:	1192039.0710	Easting/X:	363334.236
Elevation/Z:	450.22	Elevation/Z:	137.371
Convergence:	-0 58 14.09625	Convergence:	-0 58 14.09625
Scale Factor:	0.999973254	Scale Factor:	0.999973254
Combined Factor:	0.999956935	Combined Factor:	0.999956913
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

AZI063-2005		19/23	
Northing/Y:	256922.5310	Northing/Y:	78310.144
Easting/X:	1192819.6380	Easting/X:	363572.153
Elevation/Z:	457.51	Elevation/Z:	139.593
Convergence:	-0 58 07.98735	Convergence:	-0 58 07.98735
Scale Factor:	0.999973297	Scale Factor:	0.999973297
Combined Factor:	0.999956630	Combined Factor:	0.999956608
Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0			

STA064-2005		20/23	
Northing/Y:	276241.9060	Northing/Y:	84198.701
Easting/X:	1195765.2320	Easting/X:	364469.972
Elevation/Z:	449.04	Elevation/Z:	137.012
Convergence:	-0 57 47.56826	Convergence:	-0 57 47.56826
Scale Factor:	0.999969343	Scale Factor:	0.999969343

Combined Factor:	0.999953090	Combined Factor:	0.999953067
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Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

AZI064-2005	21/23
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Northing/Y:	275434.9910	Northing/Y:	83952.753
Easting/X:	1195590.3080	Easting/X:	364416.655
Elevation/Z:	450.39	Elevation/Z:	137.423
Convergence:	-0 57 48.82632	Convergence:	-0 57 48.82632
Scale Factor:	0.999969491	Scale Factor:	0.999969491
Combined Factor:	0.999953173	Combined Factor:	0.999953150

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

STA065-2005	22/23
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Northing/Y:	273263.9730	Northing/Y:	83291.026
Easting/X:	1225384.2090	Easting/X:	373497.854
Elevation/Z:	446.77	Elevation/Z:	136.326
Convergence:	-0 53 56.26265	Convergence:	-0 53 56.26265
Scale Factor:	0.999969805	Scale Factor:	0.999969805
Combined Factor:	0.999953664	Combined Factor:	0.999953640

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

AZI065-2005	23/23
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Northing/Y:	272542.3360	Northing/Y:	83071.070
Easting/X:	1225567.8380	Easting/X:	373553.824
Elevation/Z:	446.32	Elevation/Z:	136.189
Convergence:	-0 53 54.74278	Convergence:	-0 53 54.74278
Scale Factor:	0.999969940	Scale Factor:	0.999969940
Combined Factor:	0.999953821	Combined Factor:	0.999953797

Grid Shift (m.): X/Easting = 0.0, Y/Northing = 0.0

**Remark:**

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