

APPENDIX E

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

2004

GEODETIC CONTROL DENSIFICATION  
AND RESTORATION

of

JEFFERSON COUNTY, KENTUCKY  
JUNE 2004

Fuller, Mossbarger, Scott & May  
1901 Nelson Miller Parkway  
Louisville, Kentucky 40223-2177



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



6/25/104

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Original Horizontal Coordinates:

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

Translated Horizontal Coordinates:

NAD 83, Kentucky North - 1601, Meters

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

Output Vertical Coordinates: NGVD 29, Meters  
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Name	Input	Output
BOWMAN-RESET	266533.00000 N	81239.42088 N
	1233750.62300 E	376047.94199 E
Elevation	537.23300	163.902
Convergence	-00 52 50.22835	-00 52 50.22835
Scale Factor	0.999971094	0.999971094
Combined Factor	0.999945398	0.999945398
LOUISVILLE S B	240989.43600 N	73453.72700 N
	1185268.16100 E	361270.45801 E
Elevation	470.19900	143.459
Convergence	-00 59 04.68869	-00 59 04.68869
Scale Factor	0.999977225	0.999977225
Combined Factor	0.999954735	0.999954735
GPS86-15	195754.79900 N	59666.18207 N
	1160612.80300 E	353755.48987 E
Elevation	441.15800	134.597
Convergence	-01 02 10.29293	-01 02 10.29293
Scale Factor	0.999991600	0.999991600
Combined Factor	0.999970499	0.999970499
CA20-01	219430.88800 N	66882.66843 N
	1209811.80500 E	368751.37567 E
Elevation	516.33900	157.522
Convergence	-00 55 50.85051	-00 55 50.85051
Scale Factor	0.999983292	0.999983292
Combined Factor	0.999958595	0.999958595
STA 050-2003	205024.01700 N	62491.44536 N
	1166763.97200 E	355630.36993 E
Elevation	440.12500	134.287
Convergence	-01 01 23.76705	-01 01 23.76705
Scale Factor	0.999988261	0.999988261
Combined Factor	0.999967209	0.999967209
STA 011-2001	227786.36400 N	69429.42261 N
	1247653.96000 E	380285.68758 E
Elevation	687.11100	209.580
Convergence	-00 50 57.38199	-00 50 57.38199
Scale Factor	0.999980602	0.999980602
Combined Factor	0.999947737	0.999947737

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Name	Input	Output
GPS86-35	236108.62600 N	71966.05314 N
	1278479.39500 E	389681.29896 E
Elevation	562.56400	171.625
Convergence	-00 46 58.34386	-00 46 58.34386
Scale Factor	0.999978143	0.999978143
Combined Factor	0.999951235	0.999951235
STA 028-2001	254108.20600 N	77452.33609 N
	1289614.22500 E	393075.20193 E
Elevation	575.03200	175.424
Convergence	-00 45 33.50649	-00 45 33.50649
Scale Factor	0.999973606	0.999973606
Combined Factor	0.999946102	0.999946102
STA 037-2001	280623.07600 N	85534.08463 N
	1291410.17000 E	393622.60706 E
Elevation	619.63900	189.021
Convergence	-00 45 22.24045	-00 45 22.24045
Scale Factor	0.999968323	0.999968323
Combined Factor	0.999938685	0.999938685
AZI 8629-2001	305329.35700 N	93064.57414 N
	1264289.93900 E	385356.34412 E
Elevation	690.52300	210.628
Convergence	-00 48 56.49324	-00 48 56.49324
Scale Factor	0.999964890	0.999964890
Combined Factor	0.999931862	0.999931862
GOSHEN RM 1	333339.96700 N	101602.22515 N
	1263875.18900 E	385229.92807 E
Elevation	714.80200	218.031
Convergence	-00 49 02.85066	-00 49 02.85066
Scale Factor	0.999962612	0.999962612
Combined Factor	0.999928423	0.999928423
AZI 055-2004	225289.78700 N	68668.46441 N
	1239949.84300 E	377937.46802 E
Elevation	633.90800	193.364
Convergence	-00 51 57.05042	-00 51 57.05042
Scale Factor	0.999981369	0.999981369
Combined Factor	0.999951048	0.999951048

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Name	Input	Output
STA 058-2004	272414.58400 N	83032.13127 N
	1282627.53700 E	390945.65517 E
Elevation	755.62600	230.467
Convergence	-00 46 29.87053	-00 46 29.87053
Scale Factor	0.999969807	0.999969807
Combined Factor	0.999933666	0.999933666
AZI 058-2004	272421.19800 N	83034.14722 N
	1281909.91100 E	390726.92233 E
Elevation	738.14700	225.140
Convergence	-00 46 35.46625	-00 46 35.46625
Scale Factor	0.999969808	0.999969808
Combined Factor	0.999934502	0.999934502
AZI 056-2004	262372.87900 N	79971.41346 N
	1269988.65300 E	387093.31562 E
Elevation	751.43100	229.188
Convergence	-00 48 07.31393	-00 48 07.31393
Scale Factor	0.999971845	0.999971845
Combined Factor	0.999935904	0.999935904
AZI 059-2004	241096.29300 N	73486.29708 N
	1271282.75000 E	387487.75718 E
Elevation	567.96300	173.269
Convergence	-00 47 54.91701	-00 47 54.91701
Scale Factor	0.999976847	0.999976847
Combined Factor	0.999949681	0.999949681
STA 055-2004	225367.51200 N	68692.15504 N
	1239130.25300 E	377687.65649 E
Elevation	633.59300	193.268
Convergence	-00 52 03.43792	-00 52 03.43792
Scale Factor	0.999981349	0.999981349
Combined Factor	0.999951044	0.999951044
STA 054-2004	232192.25600 N	70772.34117 N
	1195973.39600 E	364533.42017 E
Elevation	479.53100	146.301
Convergence	-00 57 40.18312	-00 57 40.18312
Scale Factor	0.999979574	0.999979574
Combined Factor	0.999956637	0.999956637

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Name	Input	Output
AZI 054-2004	231592.44600 N	70589.51872 N
	1195661.24700 E	364438.27696 E
Elevation	461.01700	140.657
Convergence	-00 57 42.53449	-00 57 42.53449
Scale Factor	0.999979745	0.999979745
Combined Factor	0.999957694	0.999957694
AZI 050-2003 RESET	204425.72900 N	62309.08682 N
	1166282.45200 E	355483.60234 E
Elevation	438.04200	133.653
Convergence	-01 01 27.42803	-01 01 27.42803
Scale Factor	0.999988471	0.999988471
Combined Factor	0.999967518	0.999967518
GPS86-29 RESET	307196.32500 N	93633.62713 N
	1264622.61300 E	385457.74336 E
Elevation	691.60800	210.960
Convergence	-00 48 54.10366	-00 48 54.10366
Scale Factor	0.999964682	0.999964682
Combined Factor	0.999931602	0.999931602
STA 056-2004	261352.29800 N	79660.33975 N
	1270036.65800 E	387107.94757 E
Elevation	755.56100	230.447
Convergence	-00 48 06.82847	-00 48 06.82847
Scale Factor	0.999972061	0.999972061
Combined Factor	0.999935923	0.999935923
STA 057-2004	242227.70200 N	73831.15123 N
	1283522.40100 E	391218.41026 E
Elevation	544.47600	166.112
Convergence	-00 46 19.72171	-00 46 19.72171
Scale Factor	0.999976512	0.999976512
Combined Factor	0.999950469	0.999950469
STA 059-2004	241750.70200 N	73685.76134 N
	1271939.40900 E	387687.90724 E
Elevation	587.93500	179.357
Convergence	-00 47 49.87434	-00 47 49.87434
Scale Factor	0.999976676	0.999976676
Combined Factor	0.999948554	0.999948554

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AZI 057-2004	241324.89200 N	73555.97419 N
	1283537.83100 E	391223.11334 E
Elevation	542.99600	165.661
Convergence	-00 46 19.50680	-00 46 19.50680
Scale Factor	0.999976745	0.999976745
Combined Factor	0.999950773	0.999950773
AZI 031-2001	234337.06900 N	71426.08148 N
	1204231.68500 E	367050.55169 E
Elevation	451.65400	137.810
Convergence	-00 56 36.17541	-00 56 36.17541
Scale Factor	0.999978935	0.999978935
Combined Factor	0.999957332	0.999957332