

APPENDIX D

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

2004

GEODETTIC 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



6/28/104

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
BOWMAN-RESET	266533.00000 N	266533.00000 N
	1233750.62300 E	1233750.62300 E
Elevation	537.23300	537.73
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	240989.43600 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
GPS86-15	195754.79900 N	195754.79900 N
	1160612.80300 E	1160612.80300 E
Elevation	441.15800	441.59
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	219430.88800 N
	1209811.80500 E	1209811.80500 E
Elevation	516.33900	516.80
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	205024.01700 N
	1166763.97200 E	1166763.97200 E
Elevation	440.12500	440.57
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	227786.36400 N
	1247653.96000 E	1247653.96000 E
Elevation	687.11100	687.60
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	236108.62600 N
	1278479.39500 E	1278479.39500 E
Elevation	562.56400	563.07
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	254108.20600 N
	1289614.22500 E	1289614.22500 E
Elevation	575.03200	575.54
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	280623.07600 N
	1291410.17000 E	1291410.17000 E
Elevation	619.63900	620.15
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	305329.35700 N
	1264289.93900 E	1264289.93900 E
Elevation	690.52300	691.04
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	333339.96700 N
	1263875.18900 E	1263875.18900 E
Elevation	714.80200	715.32
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	225289.78700 N
	1239949.84300 E	1239949.84300 E
Elevation	633.90800	634.39
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	272414.58400 N
	1282627.53700 E	1282627.53700 E
Elevation	755.62600	756.12
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	272421.19800 N
	1281909.91100 E	1281909.91100 E
Elevation	738.14700	738.65
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	262372.87900 N
	1269988.65300 E	1269988.65300 E
Elevation	751.43100	751.93
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	241096.29300 N
	1271282.75000 E	1271282.75000 E
Elevation	567.96300	568.47
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	225367.51200 N
	1239130.25300 E	1239130.25300 E
Elevation	633.59300	634.08
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	232192.25600 N
	1195973.39600 E	1195973.39600 E
Elevation	479.53100	479.99
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	231592.44600 N
	1195661.24700 E	1195661.24700 E
Elevation	461.01700	461.47
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	204425.72900 N
	1166282.45200 E	1166282.45200 E
Elevation	438.04200	438.49
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	307196.32500 N
	1264622.61300 E	1264622.61300 E
Elevation	691.60800	692.12
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	261352.29800 N
	1270036.65800 E	1270036.65800 E
Elevation	755.56100	756.06
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	242227.70200 N
	1283522.40100 E	1283522.40100 E
Elevation	544.47600	544.99
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	241750.70200 N
	1271939.40900 E	1271939.40900 E
Elevation	587.93500	588.44
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	241324.89200 N
	1283537.83100 E	1283537.83100 E
Elevation	542.99600	543.51
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	234337.06900 N
	1204231.68500 E	1204231.68500 E
Elevation	451.65400	452.13
Convergence	-00 56 36.17541	-00 56 36.17541
Scale Factor	0.999978935	0.999978935
Combined Factor	0.999957332	0.999957332