

# APPENDIX E

## CORPSCON CONVERSION NAD<sub>83</sub> - U.S. SURVEY FEET TO NAD<sub>27</sub> - U.S. SURVEY FEET AND NAVD<sub>88</sub> - U.S. SURVEY FEET TO NAVD<sub>29</sub> - U.S. SURVEY FEET

2003

### GEODETIC CONTROL RESTORATION

of

### JEFFERSON COUNTY, KENTUCKY

JUNE 2003

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



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Original Horizontal Coordinates:

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

## Translated Horizontal Coordinates:

NAD 27, 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
GOSHEN RM1	333339.96683 N	101592.78245 N
	1263875.18916 E	494824.71591 E
Elevation	714.80200	218.031
Convergence	-00 49 02.85066	-00 49 02.93863
Scale Factor	0.999962612	0.999962616
Combined Factor	0.999928423	0.999928427
Grid Shift(m),	Delta North = -9.443	
	Delta East = 109594.788	
Datum Shift(m),	Delta Lat. = 7.330	
	Delta Lon. = -3.429	
LOUISVILLE SOUTH BASE	240989.43617 N	73444.48023 N
	1185268.16113 E	470864.83778 E
Elevation	470.19900	143.459
Convergence	-00 59 04.68868	-00 59 04.77118
Scale Factor	0.999977225	0.999977234
Combined Factor	0.999954735	0.999954744
Grid Shift(m),	Delta North = -9.247	
	Delta East = 109594.380	
Datum Shift(m),	Delta Lat. = 7.750	
	Delta Lon. = -3.226	
GPS86-34	245182.15102 N	74722.65604 N
	1277152.28791 E	498871.37871 E
Elevation	692.77700	211.313
Convergence	-00 47 09.64573	-00 47 09.74175
Scale Factor	0.999975786	0.999975794
Combined Factor	0.999942650	0.999942658
Grid Shift(m),	Delta North = -9.013	
	Delta East = 109594.583	
Datum Shift(m),	Delta Lat. = 7.465	
	Delta Lon. = -3.755	
STA008-2001	272736.42476 N	83120.64416 N
	1243753.05662 E	488691.32825 E
Elevation	512.96100	156.504
Convergence	-00 51 32.98977	-00 51 33.07739
Scale Factor	0.999969851	0.999969858
Combined Factor	0.999945316	0.999945323
Grid Shift(m),	Delta North = -9.584	
	Delta East = 109594.638	
Datum Shift(m),	Delta Lat. = 7.865	
	Delta Lon. = -3.423	

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## Original Horizontal Coordinates:

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

## Translated Horizontal Coordinates:

0260rmp1.out

NAD 27, Kentucky North - 1601, Meters  
 Input Vertical Coordinates: NAVD 88, U.S. Survey Feet  
 Output Vertical Coordinates: NGVD 29, Meters

Name	Input	Output
BU07-01	230607.23644 N 1172558.05512 E	70280.02763 N 466990.73910 E
Elevation	447.44700	136.521
Convergence	-01 00 42.22685	-01 00 42.30809
Scale Factor	0.999980140	0.999980149
Combined Factor	0.999958738	0.999958747
Grid Shift(m),	Delta North =	-9.199
	Delta East =	109594.329
Datum Shift(m),	Delta Lat. =	7.773
	Delta Lon. =	-3.178
B008-01	243906.71611 N 1173498.37615 E	74333.64036 N 467277.38714 E
Elevation	445.12300	135.814
Convergence	-01 00 36.73335	-01 00 36.81377
Scale Factor	0.999976520	0.999976529
Combined Factor	0.999955230	0.999955239
Grid Shift(m),	Delta North =	-9.275
	Delta East =	109594.367
Datum Shift(m),	Delta Lat. =	7.763
	Delta Lon. =	-3.144
GPS86-37 RESET	234960.69958 N 1255897.53297 E	71607.25395 N 492392.80753 E
Elevation	662.47600	202.071
Convergence	-00 49 54.03126	-00 49 54.12578
Scale Factor	0.999978542	0.999978551
Combined Factor	0.999946856	0.999946865
Grid Shift(m),	Delta North =	-8.911
	Delta East =	109594.474
Datum Shift(m),	Delta Lat. =	7.435
	Delta Lon. =	-3.698
AN40-01 RESET	296060.47946 N 1271616.58120 E	90229.84169 N 497184.30412 E
Elevation	703.97200	214.726
Convergence	-00 47 58.29052	-00 47 58.37982
Scale Factor	0.999966024	0.999966030
Combined Factor	0.999932353	0.999932359
Grid Shift(m),	Delta North =	-9.573
	Delta East =	109594.795
Datum Shift(m),	Delta Lat. =	7.695
	Delta Lon. =	-3.486

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Original Horizontal Coordinates:  
 NAD 83, Kentucky North - 1601, U.S. Survey Feet  
 Translated Horizontal Coordinates:  
 NAD 27, Kentucky North - 1601, Meters  
 Input Vertical Coordinates: NAVD 88, U.S. Survey Feet  
 Output Vertical Coordinates: NGVD 29, Meters

Name	Input	Output
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0260rmp1.out

GPS86-43 RESET	278083.39985 N	84750.37143 N
	1206849.46238 E	477442.94398 E
Elevation	460.49600	140.507
Convergence	-00 56 21.38012	-00 56 21.46395
Scale Factor	0.999968979	0.999968986
Combined Factor	0.999946953	0.999946960
Grid Shift(m),	Delta North =	-9.618
	Delta East =	109594.492
Datum Shift(m),	Delta Lat. =	7.875
	Delta Lon. =	-3.274

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