

PROJECT GROUND COORDINATES - US SURVEY FEET								EXISTING BOUNDARY MONUMENTS	STATE PLANE GRID COORDINATES					
PROJECT COORDINATES (US SURVEY FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS) BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF: 3.280942490									HORIZONTAL DATUM - NAD83(2011), OHIO NORTH ZONE (3401) FROM CORS			VERTICAL DATUM NAVD 88 BASE01 DEFINED BY GPS FROM CORS USING GEOID12A		
NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE	DESCRIPTION	NAME	NORTH (m)	EAST (m)	ORTHO HI (m)	NORTH (US FT)	EAST (US FT)
MN01	190+16.25	231.75	RT	730365.9273	2285211.059	0.000	IPF	5/8" IRON MOUNTMENT	MN01	222608.5735	696510.5502	0.000	730341.6281	2285135.0303
MN02	190+73.33	337.31	RT	730285.7666	2285300.351	0.000	IPF	5/8" IRON MOUNTMENT	MN02	222584.1412	696537.7656	0.000	730261.4701	2285224.3193
MN03	191+88.79	56.06	RT	730589.4667	2285314.34	0.000	IPF	5/8" IRON MOUNTMENT	MN03	222676.7061	696542.0293	0.000	730565.1601	2285238.3078
MN04	192+11.25	39.97	LT	730667.456	2285303.141	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D.C. INC"	MN04	222706.5723	696538.6160	0.000	730663.1461	2285227.1092
MN05	193+18.83	56.07	RT	730633.2572	2285436.789	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN05	222690.0531	696579.3506	0.000	730608.9491	2285360.7527
MN06	193+54.05	104.85	RT	730599.188	2285486.376	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN06	222679.6691	696594.4642	0.000	730574.8810	2285410.3381
MN07	193+11.15	39.92	LT	730721.0541	2285397.223	0.000	IPIPE	1.5" IRON PIPE (BENT)	MN07	222716.8127	696567.2913	0.000	730696.7431	2285321.1881
MN08	193+90.00	40.02	LT	730747.705	2285471.434	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D.C. INC"	MN08	222724.9357	696589.9101	0.000	730723.3931	2285395.3966
MN09	194+42.28	179.63	LT	730896.7679	2285473.63	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D.C. INC"	MN09	222770.3686	696590.5794	0.000	730872.4510	2285397.5925
MN10	195+08.42	320.24	LT	731051.4411	2285488.552	0.000	IPF	5/8" IRON MOUNTMENT	MN10	222817.5185	696595.1275	0.000	731027.1191	2285412.5140
MN11	195+35.12	392.26	LT	731128.2446	2285489.433	0.000	IPF	5/8" IRON MOUNTMENT	MN11	222840.9205	696595.3960	0.000	731103.9200	2285413.3950
MN12	197+09.90	941.35	LT	731704.1228	2285469.05	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN12	223016.4427	696589.1834	0.000	731679.7791	2285393.0127
MN13	195+17.38	96.88	LT	730844.1442	2285572.22	0.000	IPF	1/2" IRON MOUNTMENT	MN13	222754.3294	696620.6287	0.000	730819.8291	2285496.1792
MN14	196+16.16	366.57	LT	73131.3557	2285574.39	0.000	IPF	5/8" IRON MOUNTMENT	MN14	222771.8687	696621.2901	0.000	73107.0310	2285498.3492
MN15	197+32.23	326.88	LT	73133.0738	2285597.044	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "T. GERSON 6662"	MN15	222842.3924	696658.6738	0.000	73108.7491	2285620.9991
MN16	196+59.08	45.03	RT	730758.2533	2285753.438	0.000	IPF	5/8" IRON MOUNTMENT	MN16	222728.1507	696675.8622	0.000	730733.9410	2285677.3912
MN17	196+51.25	259.53	RT	730553.6555	2285810.309	0.000	IPIPE	3/4" IRON PIPE	MN17	222665.7912	696695.6343	0.000	730529.3501	2285742.2601
MN18	197+91.58	42.30	RT	730805.4609	2285877.276	0.000	IPF	5/8" IRON MOUNTMENT	MN18	222742.5391	696713.6068	0.000	730781.1471	2285801.2251
MN19	199+06.31	39.99	LT	730921.5748	2285957.582	0.000	IPF	5/8" IRON MOUNTMENT	MN19	222777.9295	696738.0833	0.000	730897.2571	2285881.5284
MN20	198+99.78	269.19	LT	731135.1859	2285874.24	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "POLARIS S-7087"	MN20	222843.0362	696712.6815	0.000	73110.8611	2285798.1892
MN21	199+74.60	634.85	LT	731504.4982	2285821.589	0.000	IPIPE	3/4" IRON PIPE	MN21	222955.5990	696696.6340	0.000	731480.1611	2285745.5399
MN22	200+40.05	650.86	LT	731541.8054	2285877.757	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D. GERSON 8137"	MN22	222966.9699	696713.7534	0.000	731517.4671	2285801.7061
MN23	201+70.84	690.26	LT	731622.9561	2285987.636	0.000	IPF	5/8" IRON MOUNTMENT	MN23	222991.7039	696741.2435	0.000	731598.6151	2285911.5014
MN24	201+87.01	690.80	LT	731628.913	2286002.679	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D. GERSON 8137"	MN24	222993.8889	696751.8285	0.000	731604.5701	2285926.6239
MN25	200+63.95	40.21	LT	730974.8785	2286105.936	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D. GERSON 8137"	MN25	222794.1760	696783.3002	0.000	730950.5590	2286029.8775
MN26	201+88.40	40.58	RT	730940.7334	2286250.332	0.000	IPF	5/8" IRON MOUNTMENT	MN26	222783.7889	696827.3107	0.000	730916.4151	2286174.2687
MN27	201+60.39	379.88	RT	730611.8215	2286338.233	0.000	IPIPE	5/8" IRON PIPE	MN27	222683.5197	696854.1021	0.000	730587.5141	2286262.1668
MN28	202+79.29	389.45	RT	730647.7357	2286465.026	0.000	IPIPE	1" IRON PIPE	MN28	222694.4660	696892.7474	0.000	730623.4271	2286368.9555
MN29	204+74.44	458.55	RT	730719.79	2286750.066	0.000	IPIPE	3/4" IRON PIPE	MN29	222716.4274	696979.6249	0.000	730695.4790	2286673.9861
MN30	206+14.27	259.49	RT	730978.9717	2286764.954	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN30	222795.4236	696984.1626	0.000	730954.6521	2286688.8736
MN31	206+89.66	370.04	RT	730937.5303	2286892.183	0.000	IPIPE	3/4" IRON PIPE	MN31	222782.7926	697022.9408	0.000	730913.2121	2286816.0983
MN32	206+25.20	29.38	RT	731167.808	2286632.999	0.000	IPIPE	3/4" IRON PIPE (BENT)	MN32	222852.9791	696943.9440	0.000	731143.4821	2286556.9229
MN33	207+02.07	30.68	LT	731262.3181	2286657.142	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D. GERSON 8137"	MN33	222881.7848	696951.3026	0.000	731237.9891	2286581.0651
MN34	207+12.32	29.51	RT	731220.9327	2286702.037	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN34	222869.1710	696964.9861	0.000	731196.6051	2286625.9586
MN35	208+56.03	30.76	LT	731356.4592	2286778.968	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "BABBOCK ASSOC."	MN35	222910.4781	696988.4340	0.000	731332.1270	2286702.8871
MN36	208+95.94	192.62	LT	731508.9753	2286711.654	0.000	IPF	5/8" IRON MOUNTMENT	MN36	222956.9636	696967.9173	0.000	731484.6381	2286635.5753
MN37	209+10.59	251.17	LT	731564.2741	2286687.475	0.000	IPF	3/4" IRON MOUNTMENT	MN37	222973.8181	696960.5478	0.000	731539.9350	2286611.3971
MN38	209+76.95	29.12	RT	731382.9531	2286911.277	0.000	IPF	5/8" IRON MOUNTMENT	MN38	222918.5532	697026.7605	0.000	731358.6201	2286835.1917
MN39	213+16.75	34.02	LT	731640.5687	2287141.672	0.000	IPF	5/8" IRON MOUNTMENT	MN39	222997.0720	697098.9827	0.000	731616.2271	2287065.5790
MN40	214+24.75	33.56	LT	731706.1949	2287227.449	0.000	IPIPE	1" IRON PIPE	MN40	223017.0743	697125.1267	0.000	731681.8511	2287151.3532
MN41	214+65.67	39.35	RT	731673.4858	2287304.39	0.000	IPF	5/8" REBAR WITH PLASTIC CAP	MN41	223007.1048	697148.5776	0.000	731649.1431	2287228.2916
MN42	213+03.08	273.03	RT	731389.1573	2287318.482	0.000	IPIPE	1" IRON PIPE	MN42	222920.4442	697152.8727	0.000	731364.8241	2287242.3831
MN43	214+39.58	350.83	RT	731410.986	2287474.075	0.000	IPIPE	1" IRON PIPE	MN43	222927.0974	697200.2960	0.000	731386.6520	2287397.9710
MN44	214+39.15	360.81	RT	731402.8268	2287479.831	0.000	IPIPE	1" IRON PIPE	MN44	222924.6105	697202.0503	0.000	731378.4931	2287403.7268
MN45	214+54.10	499.46	RT	731302.2024	2287576.391	0.000	IPIPE	3/4" IRON PIPE	MN45	222893.9412	697231.4809	0.000	731277.8720	2287500.2836
MN46	214+97.85	390.11	RT	731415.5012	2287544.199	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "CRABBS 7245."	MN46	222928.4736	697221.6691	0.000	731391.1671	2287468.0926
MN47	215+54.89	592.56	RT	731290.098	2287713.057	0.000	IPIPE	3/4" IRON PIPE	MN47	222890.2519	697273.1354	0.000	731265.7681	2287636.9450
MN48	215+14.85	29.28	RT	731711.512	2287337.17	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "CRABBS 7245."	MN48	223018.6949	697158.5686	0.000	731687.1680	2287261.0705
MN49	215+59.96	33.89	LT	731789.0866	2287334.276	0.000	IPIPE	1" IRON PIPE (BENT)	MN49	223042.3389	697157.6865	0.000	731764.7400	2287258.1766
MN50	214+60.99	301.46	LT	731940.4057	2287092.435	0.000	IPF	5/8" REBAR WITH PLASTIC CAP "D. HARRISON 7002"	MN50	223088.4595	697083.9757	0.000	731916.0541	2287016.3437
MN51	214+66.77	344.81	LT	731978.2559	2287070.513	0.000	IPF	3/4" IRON MOUNTMENT	MN51	223099.9959	697077.2941	0.000	731953.9031	2286994.4224
MN52	216+15.35	264.53	LT	732005.4978	2287237.188	0.000	IPF	5/8" IRON MOUNTMENT	MN52	223108.2989	697128.0951	0.000	731981.1440	2287161.0918
MN53	193+45.15	130.03	RT	730572.4911	2285486.477	0.000	CMON	CONCRETE MONUMENT	MN53	222671.5321	696594.4951	0.000	730548.1850	2285410.4392
MN54	194+38.95	0.00	RT	730726.5123	2285531	0.000	MONBX	1" IRON MONUMENT INSIDE MONUMENT BOX	MN54	222718.4763	696608.0652	0.000	730702.2011	2285454.9606
MN55	197+82.11	949.18	LT	731735.8109	2285534.415	0.000	MONBX	1" IRON MONUMENT INSIDE MONUMENT BOX	MN55	223026.1009	696609.1060	0.000	731711.4661	2285458.3752

PROJECT ADJUSTMENT FACTOR BASED ON: Inverse of the scale factor, as determined by Trimble Business Center for the final and accepted position of control point CPO1.

UNITLESS FACTOR = 1.000033271 State Plane Grid to Project Ground (same units)

PROJECT ADJ. FACTOR = 3.280942490 State Plane Grid (meters) to Project Ground (US Survey Feet)

ENG./METRIC CONV. = 3.28083333 US SURVEY FOOT TO METERS CONVERSION FACTOR

PROJECT Coordinates are Scaled From GRID Coordinates About THE OHIO NORTH ZONE Grid Point N=0,E=0.

Control point horizontal positions were established by averaging multiple VRS derived GNSS observations. Elevations were derived through conventional leveling holding the VRS derived position for CPO1. All positions are in conformance to the ODOT Surveying and Mapping Specifications

STATE PLANE GRID COORDINATES					
HORIZONTAL DATUM - NAD83(2011), OHIO NORTH ZONE (3401) FROM CORS			VERTICAL DATUM NAVD 88 BASE01 DEFINED BY GPS FROM CORS USING GEOID12A		
NAME	NORTH (m)	EAST (m)	ORTHO HI (m)	NORTH (US FT)	EAST (US FT)
MN01	222608.5735	696510.5502	0.000	730341.6281	2285135.0303
MN02	222584.1412	696537.7656	0.000	730261.4701	2285224.3193
MN03	222676.7061	696542.0293	0.000	730565.1601	2285238.3078
MN04	222706.5723	696538.6160	0.000	730663.1461	2285227.1092
MN05	222690.0531	696579.3506	0.000	730608.9491	2285360.7527
MN06	222679.6691	696594.4642	0.000	730574.8810	2285410.3381
MN07	222716.8127	696567.2913	0.000	730696.7431	2285321.1881
MN08	222724.9357	696589.9101	0.000	730723.3931	2285395.3966
MN09	222770.3686	696590.5794	0.000	730872.4510	2285397.5925
MN10	222817.5185	696595.1275	0.000	731027.1191	2285412.5140
MN11	222840.9205	696595.3960	0.000	731103.9200	2285413.3950
MN12	22				