



LiDAR Ground Control Survey Report

USGS WI Dodge County 2017 B17 LiDAR Project

Task Order Number: G17PD00370

December 2017

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Section 1: LiDAR Ground Control Survey Report

Introduction

This report contains a comprehensive outline of the LiDAR ground control survey that supported the USGS WI Dodge County 2017 B17 LiDAR Project. All surveys were performed in compliance with the American Society for Photogrammetry and Remote Sensing (ASPRS) standards required to support new LiDAR data with 0.7 meter average point density and the U.S. Geological Survey National Geospatial Program LiDAR Base Specification Version 1.2.

Project Area

The project area includes LiDAR for the entire Dodge County boundary, approximately 907 square miles, in addition to a 100 meter buffer zone outside the county line.

Purpose

The purpose of this survey was to establish three-dimensional coordinates for one hundred twenty-one (121) new LiDAR control and/or quality control stations. LiDAR quality control stations will be used as quality control for eventual LiDAR data with 0.7 meter average point density. Specifications for these point densities are outlined in the ASPRS Positional Accuracy Standards for Digital Geospatial Data (Edition 1, Version 1.0, November 2014).

Date of Survey

The latest effort of ground control field operations took place between May 18 and May 23, 2017.

Monumentation

Woolpert field crews performed a field reconnaissance to verify the existence and suitability of preselected existing National Geodetic Survey (NGS) control stations. These existing control stations were utilized to ensure that quality x, y, and z coordinate values were computed for each of the newly established LiDAR quality control stations.

Recovery information sheets and photographs for the newly established LiDAR control and quality control stations can be found in Section 4. A control diagram showing the ground control stations used to support this LiDAR mapping project can be found in Section 5 of this report. LiDAR quality control station information sheets and photographs were not documented.



Methodology

Real-Time Kinematic (RTK) GPS

For this particular field effort, Woolpert field crews utilized two (2) Woolpert-owned, Trimble Navigation R8 Model 3 series dual frequency GPS receivers, and one (1) Woolpert-owned, Trimble Navigation R8 Model 2 series receiver.

Using NGS station BURNETT W GPS as a base station, RTK observations were performed on all LiDAR control and LiDAR quality control points in order to collect data efficiently and accurately. The survey was conducted using a 1-second epoch rate, in a fixed solution RTK mode, with each observation lasting 180 seconds. Each station was occupied twice to ensure the necessary horizontal and vertical accuracies were being met for this project.

RTK surveys were performed where cellular phone coverage was available and where baseline distance accuracy was maintained.

Static GPS

Stations that could not be collected via RTK observations were collected using traditional static GPS. NGS station WATERTOWN C GPS was incorporated into the network to allow for redundancy measurements during static observations. In addition, due to the usage of RTK techniques, static stations with accompanying measurements were not contiguous. These stations were linked together via concurrent static observations, allowing for one contiguous network. Data from observation sessions typically lasted several hours, with each session utilizing a 5-second sync rate.

Post-Processing and/or Adjustments

All static GPS observations were processed using Trimble Navigation's Trimble Business Center (TBC) 3.82 baseline processor with precise ephemeris. Both unconstrained and constrained adjustments were computed using trivial and nontrivial baselines. After an acceptable unconstrained least-squares adjustment was obtained, Woolpert performed a fully constrained least-squares adjustment by fixing the GPS network to existing NGS control stations with known coordinate data. Fixed solutions were obtained for all vector baselines.

During this project, the following stations were fixed during the constrained adjustment:

3D STATIONS	
Description	PID
BURNETT W GPS	OM1344
WATERTOWN C GPS	DF9982

3D STATION CHECKS	
2K75	AI6150
BRANDON GPS	AI9582
COLUMBUS CENTRAL GPS	DH5546



Datum Reference and Final Coordinates

All new horizontal GPS control was based on the Wisconsin Coordinate Reference System (WISCRS) Dodge County, referenced to the North American Datum 1983, 2011 adjustment, expressed in U.S. Feet. All vertical control was based on the North American Vertical Datum of 1988 (NAVD88) with GEOID12B applied to model the elevations, also expressed in U.S. Feet. The coordinates for the ground control survey can be found in Section 2 of this report.

Accuracy Statement

The GPS adjustment indicates that the survey control network meets or exceeds the standards set forth by ASPRS in support of LiDAR data with 0.7 meter average point density.



Section 2: Ground Control Station Coordinate Listings

This section includes a complete listing of the final coordinates, orthometric heights, and ellipsoid heights for the USGS WI Dodge County 2017 B17 LiDAR Project.

USGS WI DODGE COUNTY 2017 B17 LiDAR PROJECT 2017 LiDAR CONTROL & LiDAR QUALITY CONTROL

Horizontal Datum: NAD 83(2011)

Vertical Datum: NAVD 88

Units: U.S. Survey Feet

State Plane Zone: Wisconsin Coordinate Reference System (WISCRS) Dodge County

Geoid Model: Geoid 12B

Coordinate System: Grid

Date: December 2017

LiDAR Control Stations:					
Station Name	Northing (USFT)	Easting (USFT)	Elevation (USFT)	Station Description	Station Type
1001	686660.388	801234.069	843.569	GRAVEL	CONTROL
1002	693667.406	813177.272	884.169	LIGHT ASPHALT	CONTROL
1003	704576.066	825010.545	874.170	LIGHT ASPHALT	CONTROL
1004	713947.631	837116.650	894.982	LIGHT ASPHALT	CONTROL
1005	715862.304	848926.983	853.707	LIGHT ASPHALT	CONTROL
1006	719987.777	860668.617	846.646	GRAVEL	CONTROL
1007	718881.708	872717.466	932.693	LIGHT ASPHALT	CONTROL
1008	719042.711	884603.141	932.757	LIGHT ASPHALT	CONTROL
1009	718801.291	896431.272	919.916	LIGHT ASPHALT	CONTROL
1010	718740.169	908449.440	914.041	LIGHT ASPHALT	CONTROL
1011	718353.835	920347.531	948.898	LIGHT ASPHALT	CONTROL
1012	718276.664	932338.681	1123.955	LIGHT ASPHALT	CONTROL
1013	715921.235	944263.933	1143.662	GRAVEL	CONTROL
1014	712500.148	956031.066	1078.647	LIGHT ASPHALT	CONTROL
1015	710978.063	964187.759	1071.756	GRAVEL	CONTROL
2001	787603.436	802995.346	1020.205	LIGHT ASPHALT	NVA
2002	787624.119	840681.396	942.153	LIGHT ASPHALT	NVA
2003	787503.520	879218.451	887.391	LIGHT ASPHALT	NVA
2004	787258.234	925725.810	1126.125	GRAVEL	NVA
2005	787061.862	963012.488	1030.715	LIGHT ASPHALT	NVA



LiDAR Control Stations:					
Station Name	Northing (USFT)	Easting (USFT)	Elevation (USFT)	Station Description	Station Type
2006	753843.381	963335.437	971.933	LIGHT ASPHALT	NVA
2007	723504.092	963363.372	1034.629	LIGHT ASPHALT	NVA
2008	692112.675	963284.735	1082.768	LIGHT ASPHALT	NVA
2009	665072.996	958762.398	978.538	LIGHT ASPHALT	NVA
2010	627955.148	959185.188	961.726	LIGHT ASPHALT	NVA
2011	628419.971	924415.365	846.438	LIGHT ASPHALT	NVA
2012	628820.708	877143.611	813.807	LIGHT ASPHALT	NVA
2013	628883.235	840789.792	794.362	LIGHT ASPHALT	NVA
2014	628938.516	801582.162	847.467	LIGHT ASPHALT	NVA
2015	663440.185	801642.030	867.916	LIGHT ASPHALT	NVA
2016	691676.337	802433.806	840.197	LIGHT ASPHALT	NVA
2017	721366.934	802664.876	943.873	LIGHT ASPHALT	NVA
2018	755718.856	802703.346	961.763	GRAVEL	NVA
2019	755791.697	836961.178	930.980	LIGHT ASPHALT	NVA
2020	755758.044	878874.340	902.720	LIGHT ASPHALT	NVA
2021	750000.657	929020.975	1038.208	LIGHT ASPHALT	NVA
2022	709384.097	839674.579	878.682	LIGHT ASPHALT	NVA
2023	706367.332	882422.903	912.803	LIGHT ASPHALT	NVA
2024	710422.678	924351.920	912.238	LIGHT ASPHALT	NVA
2025	666602.603	844825.033	822.331	LIGHT ASPHALT	NVA
2026	668588.457	878033.072	914.181	LIGHT ASPHALT	NVA
2027	667963.167	928339.902	889.127	LIGHT ASPHALT	NVA
2028	764470.098	819345.371	897.348	CORNER OF CONCRETE	NVA
2029	740360.341	856539.476	970.266	CORNER OF CONCRETE	NVA
2030	709103.098	911442.236	891.576	CORNER OF CONCRETE	NVA
2031	650785.073	902906.734	930.171	CORNER OF CONCRETE	NVA
2032	745909.407	947906.466	964.621	LIGHT ASPHALT	NVA
2033	709133.134	942374.478	1115.316	LIGHT ASPHALT	NVA
2034	742097.675	818735.941	900.495	LIGHT ASPHALT	NVA
2035	710915.378	818951.102	882.211	GRAVEL	NVA
2036	677635.622	818417.254	820.371	LIGHT ASPHALT	NVA
2037	655063.236	823126.816	809.793	GRAVEL	NVA
2038	768887.270	862446.455	966.372	LIGHT ASPHALT	NVA
2039	709979.206	861645.200	891.502	GRAVEL	NVA
2040	681874.488	861848.482	799.867	LIGHT ASPHALT	NVA
2041	652696.902	864844.528	862.651	GRAVEL	NVA
2042	771657.975	904780.720	911.737	LIGHT ASPHALT	NVA
2043	747676.252	913277.999	868.673	LIGHT ASPHALT	NVA
2044	682303.289	899532.525	898.649	LIGHT ASPHALT	NVA
2045	772393.330	949769.293	1020.366	WOOD CHIPS	NVA
2046	680957.544	940242.621	1068.214	LIGHT ASPHALT	NVA



LiDAR Control Stations:					
Station Name	Northing (USFT)	Easting (USFT)	Elevation (USFT)	Station Description	Station Type
2047	649210.950	940350.572	927.384	LIGHT ASPHALT	NVA
2048	737399.967	885466.009	878.208	GRAVEL	NVA
2049	697562.595	851181.258	828.564	LIGHT ASPHALT	NVA
2050	735274.060	836394.737	874.489	GRAVEL	NVA
2051	731385.659	937072.095	939.596	LIGHT ASPHALT	NVA
2052	718698.909	868677.107	899.254	GRAVEL	NVA
2053	655023.899	881949.780	888.264	LIGHT ASPHALT	NVA
2054	723602.485	903601.422	869.655	DIRT	NVA
2055	782710.537	828291.966	953.964	GRAVEL	NVA
2056	633848.624	902099.897	935.315	GRAVEL	NVA
2057	692074.155	926184.599	893.995	LIGHT ASPHALT	NVA
2058	771113.676	925912.793	1027.934	LIGHT ASPHALT	NVA
3001	787535.996	802884.557	1017.055	FOREST	VVA
3002	667931.867	928295.795	888.220	TALL WEEDS	VVA
3003	714337.614	925701.793	978.508	FOREST	VVA
3004	771142.328	925031.983	1029.049	BRUSH	VVA
3005	664892.205	843450.001	854.940	TALL WEEDS	VVA
3006	628903.427	801727.305	852.512	FOREST	VVA
3007	627979.572	957361.078	983.290	FOREST	VVA
3008	755840.311	837334.568	942.481	TALL WEEDS	VVA
3009	786964.109	879627.318	889.169	TALL GRASS	VVA
3010	755823.177	804097.167	950.333	TALL WEEDS	VVA
3011	720541.059	861803.505	851.425	FOREST	VVA
3012	633794.647	902022.493	935.111	TALL GRASS	VVA
3013	628938.955	840167.218	793.464	FOREST	VVA
3014	755064.179	963377.887	971.346	FOREST	VVA
3015	710534.483	818997.795	925.226	DIRT	VVA
3016	755714.575	879947.450	899.109	TALL WEEDS	VVA
3017	786977.424	957745.890	1026.781	TALL WEEDS	VVA
3018	675354.796	817830.779	840.473	TALL WEEDS	VVA
3019	684239.257	899623.694	892.390	FOREST	VVA
3020	723718.098	906905.050	878.327	BRUSH	VVA
3021	667975.622	878510.376	891.107	TALL GRASS	VVA
3022	697516.421	852670.686	806.292	BRUSH	VVA
3023	749872.796	930394.671	990.642	TALL WEEDS	VVA
3024	691253.146	802985.274	836.495	BRUSH	VVA
3025	693741.548	963236.829	1052.604	TALL WEEDS	VVA
3026	708952.799	884910.635	921.348	BRUSH	VVA
3027	787555.290	841324.209	929.032	TALL WEEDS	VVA
3028	630309.132	874619.156	834.145	BRUSH	VVA

LiDAR Control Stations:					
Station Name	Northing (USFT)	Easting (USFT)	Elevation (USFT)	Station Description	Station Type
3029	723459.511	963218.720	1030.109	TALL WEEDS	VVA
3030	771573.650	907225.349	870.464	TALL WEEDS	VVA
3031	681819.691	861746.528	796.905	BRUSH	VVA
3032	768877.587	862482.006	965.373	TALL WEEDS	VVA
3033	740015.439	836055.005	878.561	DIRT	VVA
3034	649329.148	939498.623	902.978	TALL WEEDS	VVA
3035	737431.842	885426.833	876.592	TALL WEEDS	VVA
3036	654081.184	823439.054	801.801	BRUSH	VVA
3037	707850.651	941534.799	1111.015	FOREST	VVA
3038	740047.990	856042.065	960.088	TALL WEEDS	VVA
3039	721514.147	802626.660	939.986	FOREST	VVA
3040	652649.094	865384.430	856.161	TALL WEEDS	VVA
3041	692058.417	925430.150	870.928	TALL WEEDS	VVA
3042	709813.182	840818.038	881.825	DIRT	VVA
3043	787197.220	925708.434	1125.700	DIRT	VVA
3044	665079.419	958716.785	974.826	TALL WEEDS	VVA
3045	743891.364	814632.840	873.707	TALL WEEDS	VVA
3046	666425.623	898163.113	923.621	FOREST	VVA
3047	750533.422	898769.409	856.840	TALL WEEDS	VVA
3048	693666.439	835807.372	825.092	BRUSH	VVA

Geodetic Control Stations and Geodetic Control Station Checks:				
Station Name	Northing (USFT)	Easting (USFT)	Elevation (USFT)	PID
2K75	4809107.598	392559.691	328.137	AI6150
BRANDON GPS	4841518.688	357006.708	295.864	AI9582
BURNETT W GPS	728137.575	868206.168	938.810	OM1344
COLUMBUS CENTRAL GPS	4798856.306	333866.192	269.377	DH5546
WATERTOWN C GPS	4779554.691	358956.526	257.576	DF9982



**USGS WI DODGE COUNTY 2017 B17 LIDAR PROJECT
2017 LIDAR CONTROL & LIDAR QUALITY CONTROL**

Horizontal Datum: NAD 83 (2011)

Vertical Datum: NAVD 88

Units: U.S. Survey Feet

State Plane Zone: Wisconsin Coordinate Reference System (WISCRS) Dodge County

Geoid Model: Geoid 12B

Coordinate System: Geographic

Date: December 2017

LiDAR Control Stations:					
Station Name	Latitude	Longitude	Height	Station Description	Station Type
			(USFT)		
1001	N43°21'21.84753"	W89°00'39.52239"	728.327	GRAVEL	CONTROL
1002	N43°22'31.35163"	W88°57'58.09212"	768.859	LIGHT ASPHALT	CONTROL
1003	N43°24'19.32346"	W88°55'18.14107"	758.722	LIGHT ASPHALT	CONTROL
1004	N43°25'52.05559"	W88°52'34.30931"	779.455	LIGHT ASPHALT	CONTROL
1005	N43°26'11.07557"	W88°49'54.27952"	738.223	LIGHT ASPHALT	CONTROL
1006	N43°26'51.86721"	W88°47'15.15752"	731.203	GRAVEL	CONTROL
1007	N43°26'40.92913"	W88°44'31.83895"	817.363	LIGHT ASPHALT	CONTROL
1008	N43°26'42.44143"	W88°41'50.73245"	817.512	LIGHT ASPHALT	CONTROL
1009	N43°26'39.91718"	W88°39'10.41184"	804.759	LIGHT ASPHALT	CONTROL
1010	N43°26'39.10737"	W88°36'27.51441"	798.989	LIGHT ASPHALT	CONTROL
1011	N43°26'35.02433"	W88°33'46.25720"	833.963	LIGHT ASPHALT	CONTROL
1012	N43°26'33.92859"	W88°31'03.73209"	1009.139	LIGHT ASPHALT	CONTROL
1013	N43°26'10.27112"	W88°28'22.21408"	1028.962	GRAVEL	CONTROL
1014	N43°25'36.03253"	W88°25'42.93410"	964.049	LIGHT ASPHALT	CONTROL
1015	N43°25'20.65096"	W88°23'52.50249"	957.206	GRAVEL	CONTROL
2001	N43°37'58.79890"	W89°00'19.46564"	903.480	LIGHT ASPHALT	NVA
2002	N43°37'59.71692"	W88°51'47.05882"	825.604	LIGHT ASPHALT	NVA
2003	N43°37'58.59602"	W88°43'03.07852"	770.747	LIGHT ASPHALT	NVA
2004	N43°37'55.36992"	W88°32'30.74220"	1009.792	GRAVEL	NVA
2005	N43°37'52.08455"	W88°24'03.79285"	914.645	LIGHT ASPHALT	NVA
2006	N43°32'24.01759"	W88°24'01.43784"	856.562	LIGHT ASPHALT	NVA
2007	N43°27'24.39293"	W88°24'02.91017"	919.852	LIGHT ASPHALT	NVA
2008	N43°22'14.37781"	W88°24'05.88220"	968.450	LIGHT ASPHALT	NVA
2009	N43°17'47.52758"	W88°25'08.66498"	864.415	LIGHT ASPHALT	NVA
2010	N43°11'40.92598"	W88°25'05.09035"	847.855	LIGHT ASPHALT	NVA
2011	N43°11'46.71358"	W88°32'54.42831"	732.603	LIGHT ASPHALT	NVA
2012	N43°11'51.44071"	W88°43'32.56518"	699.902	LIGHT ASPHALT	NVA
2013	N43°11'51.97730"	W88°51'43.33158"	680.381	LIGHT ASPHALT	NVA



LiDAR Control Stations:					
Station Name	Latitude	Longitude	Height	Station Description	Station Type
			(USFT)		
2014	N43°11'51.78052"	W89°00'32.62320"	733.381	LIGHT ASPHALT	NVA
2015	N43°17'32.53183"	W89°00'33.11936"	753.112	LIGHT ASPHALT	NVA
2016	N43°22'11.41883"	W89°00'23.47272"	724.873	LIGHT ASPHALT	NVA
2017	N43°27'04.65066"	W89°00'21.45803"	828.052	LIGHT ASPHALT	NVA
2018	N43°32'43.90741"	W89°00'22.22983"	845.445	GRAVEL	NVA
2019	N43°32'45.30441"	W88°52'37.11074"	814.858	LIGHT ASPHALT	NVA
2020	N43°32'45.08623"	W88°43'08.04869"	786.777	LIGHT ASPHALT	NVA
2021	N43°31'47.33022"	W88°31'47.43398"	922.738	LIGHT ASPHALT	NVA
2022	N43°25'07.01498"	W88°51'59.57769"	763.234	LIGHT ASPHALT	NVA
2023	N43°24'37.27733"	W88°42'20.42761"	797.735	LIGHT ASPHALT	NVA
2024	N43°25'16.59192"	W88°32'52.27452"	797.470	LIGHT ASPHALT	NVA
2025	N43°18'04.54636"	W88°50'49.29555"	707.675	LIGHT ASPHALT	NVA
2026	N43°18'24.19716"	W88°43'20.21927"	799.732	LIGHT ASPHALT	NVA
2027	N43°18'17.14608"	W88°31'59.90694"	774.896	LIGHT ASPHALT	NVA
2028	N43°34'10.72795"	W88°56'36.52154"	781.032	CORNER OF CONCRETE	NVA
2029	N43°30'13.05682"	W88°48'11.22208"	854.503	CORNER OF CONCRETE	NVA
2030	N43°25'03.86994"	W88°35'47.22888"	776.707	CORNER OF CONCRETE	NVA
2031	N43°15'28.07299"	W88°37'44.25387"	816.072	CORNER OF CONCRETE	NVA
2032	N43°31'06.29651"	W88°27'31.30520"	849.335	LIGHT ASPHALT	NVA
2033	N43°25'03.29897"	W88°28'48.14636"	1000.725	LIGHT ASPHALT	NVA
2034	N43°30'29.76890"	W88°56'44.17581"	784.433	LIGHT ASPHALT	NVA
2035	N43°25'21.81748"	W88°56'40.39504"	766.642	GRAVEL	NVA
2036	N43°19'53.13138"	W88°56'46.70249"	705.350	LIGHT ASPHALT	NVA
2037	N43°16'10.29080"	W88°55'42.42473"	695.242	GRAVEL	NVA
2038	N43°34'54.79755"	W88°46'51.10529"	850.117	LIGHT ASPHALT	NVA
2039	N43°25'13.02301"	W88°47'01.90533"	776.204	GRAVEL	NVA
2040	N43°20'35.45627"	W88°46'59.11413"	685.035	LIGHT ASPHALT	NVA
2041	N43°15'47.29037"	W88°46'18.58689"	748.384	GRAVEL	NVA
2042	N43°35'21.78809"	W88°37'15.91480"	795.579	LIGHT ASPHALT	NVA
2043	N43°31'24.77742"	W88°35'21.19136"	753.108	LIGHT ASPHALT	NVA
2044	N43°20'39.41148"	W88°38'29.16846"	784.108	LIGHT ASPHALT	NVA
2045	N43°35'27.77340"	W88°27'04.62595"	904.560	WOOD CHIPS	NVA
2046	N43°20'25.10891"	W88°29'18.34072"	953.942	LIGHT ASPHALT	NVA
2047	N43°15'11.56976"	W88°29'18.35343"	813.354	LIGHT ASPHALT	NVA
2048	N43°29'43.72971"	W88°41'38.79494"	762.658	GRAVEL	NVA
2049	N43°23'10.35956"	W88°49'23.58468"	713.365	LIGHT ASPHALT	NVA
2050	N43°29'22.66700"	W88°52'44.45318"	758.640	GRAVEL	NVA
2051	N43°28'43.24260"	W88°29'58.98851"	824.535	LIGHT ASPHALT	NVA
2052	N43°26'39.13587"	W88°45'26.60458"	783.896	GRAVEL	NVA
2053	N43°16'10.20135"	W88°42'27.39840"	774.045	LIGHT ASPHALT	NVA



LiDAR Control Stations:					
Station Name	Latitude	Longitude	Height (USFT)	Station Description	Station Type
2054	N43°27'27.21860"	W88°37'33.10818"	754.472	DIRT	NVA
2055	N43°37'11.02751"	W88°54'35.40681"	837.480	GRAVEL	NVA
2056	N43°12'40.81572"	W88°37'55.54761"	821.411	GRAVEL	NVA
2057	N43°22'15.33069"	W88°32'28.14036"	779.503	LIGHT ASPHALT	NVA
2058	N43°35'15.92606"	W88°32'28.81736"	911.998	LIGHT ASPHALT	NVA
3001	N43°37'58.12985"	W89°00'20.96944"	900.330	FOREST	VVA
3002	N43°18'16.83822"	W88°32'00.50464"	773.990	TALL WEEDS	VVA
3003	N43°25'55.21913"	W88°32'33.83703"	863.698	FOREST	VVA
3004	N43°35'16.23330"	W88°32'40.78337"	913.105	BRUSH	VVA
3005	N43°17'47.64181"	W88°51'07.86818"	740.308	TALL WEEDS	VVA
3006	N43°11'51.43797"	W89°00'30.66250"	738.426	FOREST	VVA
3007	N43°11'41.24328"	W88°25'29.71226"	869.422	FOREST	VVA
3008	N43°32'45.78901"	W88°52'32.04197"	826.361	TALL WEEDS	VVA
3009	N43°37'53.26611"	W88°42'57.52447"	772.537	TALL GRASS	VVA
3010	N43°32'44.97549"	W89°00'03.30980"	834.023	TALL WEEDS	VVA
3011	N43°26'57.33286"	W88°46'59.77464"	735.984	FOREST	VVA
3012	N43°12'40.28392"	W88°37'56.59401"	821.207	TALL GRASS	VVA
3013	N43°11'52.52113"	W88°51'51.73695"	679.480	FOREST	VVA
3014	N43°32'36.07192"	W88°24'00.78688"	855.954	FOREST	VVA
3015	N43°25'18.05667"	W88°56'39.75188"	809.664	DIRT	VVA
3016	N43°32'44.64953"	W88°42'53.47934"	783.170	TALL WEEDS	VVA
3017	N43°37'51.47868"	W88°25'15.40280"	910.683	TALL WEEDS	VVA
3018	N43°19'30.59349"	W88°56'54.57294"	725.490	TALL WEEDS	VVA
3019	N43°20'58.53005"	W88°38'27.89272"	777.819	FOREST	VVA
3020	N43°27'28.29955"	W88°36'48.31675"	763.173	BRUSH	VVA
3021	N43°18'18.14159"	W88°43'13.76971"	776.672	TALL GRASS	VVA
3022	N43°23'09.91155"	W88°49'03.41530"	691.105	BRUSH	VVA
3023	N43°31'46.02709"	W88°31'28.79343"	875.185	TALL WEEDS	VVA
3024	N43°22'07.25440"	W89°00'15.99134"	721.180	BRUSH	VVA
3025	N43°22'30.46664"	W88°24'06.43209"	938.271	TALL WEEDS	VVA
3026	N43°25'02.78987"	W88°41'46.69363"	806.259	BRUSH	VVA
3027	N43°37'59.04382"	W88°51'38.31766"	812.483	TALL WEEDS	VVA
3028	N43°12'06.15437"	W88°44'06.63499"	720.217	BRUSH	VVA
3029	N43°27'23.95907"	W88°24'04.87392"	915.332	TALL WEEDS	VVA
3030	N43°35'20.90926"	W88°36'42.70216"	754.335	TALL WEEDS	VVA
3031	N43°20'34.91497"	W88°47'00.49369"	682.073	BRUSH	VVA
3032	N43°34'54.70194"	W88°46'50.62231"	849.119	TALL WEEDS	VVA
3033	N43°30'09.48842"	W88°52'49.14286"	762.643	DIRT	VVA
3034	N43°15'12.76579"	W88°29'29.85939"	788.947	TALL WEEDS	VVA

LiDAR Control Stations:					
Station Name	Latitude	Longitude	Height	Station Description	Station Type
			(USFT)		
3035	N43°29'44.04488"	W88°41'39.32598"	761.040	TALL WEEDS	VVA
3036	N43°16'00.59736"	W88°55'38.18049"	687.273	BRUSH	VVA
3037	N43°24'50.66238"	W88°28'59.58338"	996.440	FOREST	VVA
3038	N43°30'09.97034"	W88°48'17.96927"	844.326	TALL WEEDS	VVA
3039	N43°27'06.10348"	W89°00'21.98162"	824.163	FOREST	VVA
3040	N43°15'46.81794"	W88°46'11.29060"	741.898	TALL WEEDS	VVA
3041	N43°22'15.19602"	W88°32'38.35466"	756.431	TALL WEEDS	VVA
3042	N43°25'11.26477"	W88°51'44.09142"	766.377	DIRT	VVA
3043	N43°37'54.76785"	W88°32'30.98078"	1009.368	DIRT	VVA
3044	N43°17'47.59293"	W88°25'09.28136"	860.703	TALL WEEDS	VVA
3045	N43°30'47.39635"	W88°57'39.90383"	757.595	TALL WEEDS	VVA
3046	N43°18'02.62095"	W88°38'48.02967"	809.317	FOREST	VVA
3047	N43°31'53.26737"	W88°38'38.04246"	741.106	TALL WEEDS	VVA
3048	N43°22'31.74012"	W88°52'51.70246"	709.862	BRUSH	VVA

Geodetic Control Stations and Geodetic Control Station Checks:				
Station Name	Latitude	Longitude	Height	PID
			(USFT)	
2K75	N43°25'37.77657"	W88°19'38.55484"	293.224	AI6150
BRANDON GPS	N43°42'46.49663"	W88°46'29.94590"	260.158	AI9582
BURNETT W GPS	N43°28'12.35344"	W88°45'32.96355"	823.316	OM1344
COLUMBUS CENTRAL GPS	N43°19'27.11790"	W89°02'56.48059"	234.310	DH5546
WATERTOWN C GPS	N43°09'20.15511"	W88°44'05.22189"	222.924	DF9982



Section 3: Existing NGS Control Information Sheets

This section contains the published National Geodetic Survey (NGS) Datasheets used in the final control network for the USGS WI Dodge County 2017 B17 LiDAR Project.



The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1      National Geodetic Survey,  Retrieval Date = JULY 10, 2017
AI6150 *****
AI6150 DESIGNATION - 2K75
AI6150 PID - AI6150
AI6150 STATE/COUNTY- WI/WASHINGTON
AI6150 COUNTRY - US
AI6150 USGS QUAD - ALLENTON (1971)
AI6150
AI6150 *CURRENT SURVEY CONTROL
AI6150
AI6150* NAD 83(2011) POSITION- 43 25 37.77752(N) 088 19 38.55473(W) ADJUSTED
AI6150* NAD 83(2011) ELLIP HT- 293.207 (meters) (06/27/12) ADJUSTED
AI6150* NAD 83(2011) EPOCH - 2010.00
AI6150* NAVD 88 ORTHO HEIGHT - 328.119 (meters) 1076.50 (feet) ADJUSTED
AI6150
AI6150 GEOID HEIGHT - -34.912 (meters) GEOID12B
AI6150 NAD 83(2011) X - 135,425.739 (meters) COMP
AI6150 NAD 83(2011) Y - -4,637,695.255 (meters) COMP
AI6150 NAD 83(2011) Z - 4,362,289.616 (meters) COMP
AI6150 LAPLACE CORR - 0.64 (seconds) DEFLEC12B
AI6150 DYNAMIC HEIGHT - 328.042 (meters) 1076.25 (feet) COMP
AI6150 MODELED GRAVITY - 980,376.5 (mgal) NAVD 88
AI6150
AI6150 VERT ORDER - SECOND CLASS I
AI6150
AI6150 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AI6150 Standards:
AI6150 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AI6150 Horiz Ellip SD_N SD_E SD_h (unitless)
AI6150 -----
AI6150 NETWORK 0.72 0.84 0.34 0.23 0.43 -0.06682307
AI6150 -----
AI6150 Click here for local accuracies and other accuracy information.
AI6150
AI6150
AI6150.The horizontal coordinates were established by GPS observations
AI6150.and adjusted by the National Geodetic Survey in June 2012.
AI6150
AI6150.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AI6150.been affixed to the stable North American tectonic plate. See
AI6150.NA2011 for more information.
AI6150
AI6150.The horizontal coordinates are valid at the epoch date displayed above
AI6150.which is a decimal equivalence of Year/Month/Day.
AI6150
AI6150.The orthometric height was determined by differential leveling and
AI6150.adjusted by the WI DEPT OF TRANSP
AI6150.in May 2012.
AI6150

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AI6150.Significant digits in the geoid height do not necessarily reflect accuracy.
AI6150.GEOID12B height accuracy estimate available [here](#).

AI6150
AI6150.[Photographs](#) are available for this station.

AI6150
AI6150.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AI6150
AI6150.The Laplace correction was computed from DEFLEC12B derived deflections.

AI6150
AI6150.The ellipsoidal height was determined by GPS observations
AI6150.and is referenced to NAD 83.

AI6150
AI6150.The dynamic height is computed by dividing the NAVD 88
AI6150.geopotential number by the normal gravity value computed on the
AI6150.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AI6150.degrees latitude (g = 980.6199 gals.).

AI6150
AI6150.The modeled gravity was interpolated from observed gravity values.

AI6150
AI6150. The following values were computed from the NAD 83(2011) position.

AI6150;		North	East	Units	Scale Factor	Converg.
AI6150;SPC WI S	-	159,902.091	735,420.557	MT	0.99993265	+1 08 57.4
AI6150;SPC WI S	-	524,612.11	2,412,792.28	sFT	0.99993265	+1 08 57.4
AI6150;UTM 16	-	4,809,107.627	392,559.694	MT	0.99974199	-0 54 45.2
AI6150!	-	Elev Factor	x Scale Factor	=	Combined Factor	
AI6150!SPC WI S	-	0.99995402	x 0.99993265	=	0.99988668	
AI6150!UTM 16	-	0.99995402	x 0.99974199	=	0.99969602	

AI6150
AI6150_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TCP9255909107(NAD 83)

AI6150
AI6150
AI6150 SUPERSEDED SURVEY CONTROL

AI6150	NAD 83(2007)-	43 25 37.77750(N)	088 19 38.55558(W)	AD(2002.00)	0
AI6150	ELLIP H (02/10/07)	293.243 (m)		GP(2002.00)	
AI6150	ELLIP H (11/17/00)	293.253 (m)		GP()	3 2
AI6150	NAD 83(1997)-	43 25 37.77751(N)	088 19 38.55580(W)	AD()	1
AI6150	ELLIP H (07/06/00)	293.253 (m)		GP()	2 1
AI6150	NAVD 88	328.09 (m)	1076.4 (f)	LEVELING	3
AI6150	NAVD 88 (04/20/07)	328.092 (m)	1076.42 (f)	SUPERSEDED	2 1
AI6150	NAVD 88 (10/20/00)	328.062 (m)	1076.32 (f)	SUPERSEDED	2 1
AI6150	NAVD 88 (07/06/00)	328.06 (m)	GEOID99 model used	GPS OBS	

AI6150
AI6150.Superseded values are not recommended for survey control.

AI6150
AI6150.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AI6150.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AI6150
AI6150_MARKER: DD = SURVEY DISK
AI6150_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AI6150_STAMPING: 2K75 1999
AI6150_MARK LOGO: WIDT
AI6150_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
AI6150_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL



AI6150_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI6150+SATELLITE: SATELLITE OBSERVATIONS - May 22, 2017

AI6150				
AI6150	HISTORY	- Date	Condition	Report By
AI6150	HISTORY	- 1999	MONUMENTED	WIDT
AI6150	HISTORY	- 20031121	GOOD	USPSQD
AI6150	HISTORY	- 20060523	GOOD	WIDT
AI6150	HISTORY	- 20090802	GOOD	GEOCAC
AI6150	HISTORY	- 20170522	GOOD	WOOLPT

AI6150

AI6150 STATION DESCRIPTION

AI6150

AI6150'DESCRIBED BY WI DEPT OF TRANSP 1999 (DJH)
AI6150'THE STATION IS LOCATED ABOUT 12.9 KM (8.00 MI) NORTH-NORTHEAST OF
AI6150'HARTFORD, AND 11.3 KM (7.00 MI) WEST OF WEST BEND.
AI6150'OWNERSHIP--WISCONSIN DEPARTMENT OF TRANSPORTATION. TO REACH THE
AI6150'STATION FROM THE JUNCTION OF STATE HIGHWAY 33 WITH US HIGHWAY 41 ABOUT
AI6150'0.8 KM (0.50 MI) NORTHEAST OF THE VILLAGE OF ALLENTON, GO EAST ON
AI6150'STATE HIGHWAY 33 FOR 0.72 KM (0.45 MI) TO THE STATION ON THE LEFT.
AI6150'THE STATION IS A BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION
AI6150'GEODETIC SURVEY CONTROL STATION DISK STAMPED --2K75 1999-- AND SET IN
AI6150'THE TOP OF A 41 CM (16-INCH) DIAMETER CONCRETE POST FLUSH WITH THE
AI6150'GROUND AND ABOUT LEVEL WITH THE HIGHWAY PAVEMENT. THE STATION IS 17.2
AI6150'M (56.4 FT) NORTH OF THE CENTERLINE OF STATE HIGHWAY 33, 57 M (187.0
AI6150'FT) WEST OF THE SOUTHERN MOST WOOD POST FOR --WELCOME TO ALLENTON--
AI6150'SIGN, 33.1 M (108.6 FT) EAST-NORTHEAST OF THE TOP CENTER OF THE EAST
AI6150'END OF A 45 CM (18-INCH) DIAMETER CORRUGATED METAL CULVERT PIPE, 18.5
AI6150'M (60.7 FT) EAST OF A 120 CM (48-INCH) HIGH POWER PEDESTAL --1649--,
AI6150'6.9 M (22.6 FT) EAST-SOUTHEAST OF A METAL POST FOR --BURIED FIBER
AI6150'OPTICS-- SIGN, AND 0.8 M (2.6 FT) SOUTH OF A WHITE PLASTIC WITNESS
AI6150'POST.

AI6150

AI6150 STATION RECOVERY (2003)

AI6150

AI6150'RECOVERY NOTE BY US POWER SQUADRON 2003 (DRB)

AI6150'RECOVERED IN GOOD CONDITION.

AI6150

AI6150 STATION RECOVERY (2006)

AI6150

AI6150'RECOVERY NOTE BY WI DEPT OF TRANSP 2006 (DRB)

AI6150'RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS 0.3 MILE WEST OF
AI6150'COUNTY HIGHWAY WW NORTH, 39.0 M EAST OF THE EXTENDED CENTERLINE OF
AI6150'PRIVATE ENTRANCE --5821--, 37.0 M EAST OF THE EAST ENTRANCE TO A
AI6150'CEMETERY, AND 0.8 M SOUTH, 1.0 M NORTHWEST, AND 1.0 M NORTHEAST OF
AI6150'THREE WHITE PLASTIC WITNESS POSTS.

AI6150

AI6150 STATION RECOVERY (2009)

AI6150

AI6150'RECOVERY NOTE BY GEOCACHING 2009 (WS)

AI6150'RECOVERED IN GOOD CONDITION.

AI6150

AI6150 STATION RECOVERY (2017)

AI6150

AI6150'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2017 (CC)

AI6150'RECOVERED AS DESCRIBED



The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1      National Geodetic Survey,  Retrieval Date = JULY 10, 2017
AI9582 *****
AI9582 DESIGNATION - BRANDON GPS
AI9582 PID - AI9582
AI9582 STATE/COUNTY- WI/FOND DU LAC
AI9582 COUNTRY - US
AI9582 USGS QUAD - BRANDON (1980)
AI9582
AI9582 *CURRENT SURVEY CONTROL
AI9582
AI9582* NAD 83(2011) POSITION- 43 42 46.49768(N) 088 46 29.94659(W) ADJUSTED
AI9582* NAD 83(2011) ELLIP HT- 260.169 (meters) (06/27/12) ADJUSTED
AI9582* NAD 83(2011) EPOCH - 2010.00
AI9582* NAVD 88 ORTHO HEIGHT - 295.876 (meters) 970.72 (feet) ADJUSTED
AI9582
AI9582 GEOID HEIGHT - -35.706 (meters) GEOID12B
AI9582 NAD 83(2011) X - 98,722.795 (meters) COMP
AI9582 NAD 83(2011) Y - -4,616,709.451 (meters) COMP
AI9582 NAD 83(2011) Z - 4,385,270.672 (meters) COMP
AI9582 LAPLACE CORR - -1.20 (seconds) DEFLEC12B
AI9582 DYNAMIC HEIGHT - 295.810 (meters) 970.50 (feet) COMP
AI9582 MODELED GRAVITY - 980,388.0 (mgal) NAVD 88
AI9582
AI9582 VERT ORDER - SECOND CLASS I
AI9582
AI9582 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AI9582 Standards:
AI9582 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AI9582 Horiz Ellip SD_N SD_E SD_h (unitless)
AI9582 -----
AI9582 NETWORK 0.20 0.27 0.09 0.07 0.14 0.04539160
AI9582 -----
AI9582 Click here for local accuracies and other accuracy information.
AI9582
AI9582
AI9582.The horizontal coordinates were established by GPS observations
AI9582.and adjusted by the National Geodetic Survey in June 2012.
AI9582
AI9582.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AI9582.been affixed to the stable North American tectonic plate. See
AI9582.NA2011 for more information.
AI9582
AI9582.The horizontal coordinates are valid at the epoch date displayed above
AI9582.which is a decimal equivalence of Year/Month/Day.
AI9582
AI9582.The orthometric height was determined by differential leveling and
AI9582.adjusted by the WI DEPT OF TRANSP
AI9582.in May 2012.
AI9582

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AI9582.No vertical observational check was made to the station.
 AI9582
 AI9582.Significant digits in the geoid height do not necessarily reflect accuracy.
 AI9582.GEOID12B height accuracy estimate available [here](#).
 AI9582
 AI9582.[Photographs](#) are available for this station.
 AI9582
 AI9582.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AI9582
 AI9582.The Laplace correction was computed from DEFLEC12B derived deflections.
 AI9582
 AI9582.The ellipsoidal height was determined by GPS observations
 AI9582.and is referenced to NAD 83.

AI9582
 AI9582.The dynamic height is computed by dividing the NAVD 88
 AI9582.geopotential number by the normal gravity value computed on the
 AI9582.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AI9582.degrees latitude (g = 980.6199 gals.).
 AI9582
 AI9582.The modeled gravity was interpolated from observed gravity values.
 AI9582
 AI9582. The following values were computed from the NAD 83(2011) position.
 AI9582

AI9582;		North	East	Units	Scale	Factor	Converg.
AI9582;SPC WI S	-	191,015.583	698,717.544	MT	0.99994732	+0 50	30.2
AI9582;SPC WI S	-	626,690.29	2,292,375.81	sFT	0.99994732	+0 50	30.2
AI9582;UTM 16	-	4,841,518.721	357,006.693	MT	0.99985150	-1 13	36.5
AI9582!	-	Elev Factor x Scale Factor =		Combined Factor			
AI9582!SPC WI S	-	0.99995920	x 0.99994732	=	0.99990653		
AI9582!UTM 16	-	0.99995920	x 0.99985150	=	0.99981071		

AI9582
 AI9582_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TCP5700641518(NAD 83)
 AI9582

SUPERSEDED SURVEY CONTROL

AI9582	NAD 83(2007)-	43 42 46.49773(N)	088 46 29.94742(W)	AD(2002.00)	0
AI9582	ELLIP H (02/10/07)	260.205 (m)		GP(2002.00)	
AI9582	NAD 83(1997)-	43 42 46.49792(N)	088 46 29.94763(W)	AD()	1
AI9582	ELLIP H (07/20/01)	260.211 (m)		GP()	4 1
AI9582	NAVD 88	295.85 (m)	970.6 (f)	LEVELING	3
AI9582	NAVD 88 (04/20/07)	295.849 (m)	970.63 (f)	SUPERSEDED	2 1
AI9582	NAVD 88	295.83 (m)	970.6 (f)	LEVELING	3
AI9582	NAVD 88 (02/05/01)	295.829 (m)	970.57 (f)	SUPERSEDED	2 1

AI9582
 AI9582.Superseded values are not recommended for survey control.
 AI9582
 AI9582.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AI9582.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 AI9582

AI9582_MARKER: DD = SURVEY DISK
 AI9582_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AI9582_STAMPING: BRANDON GPS 1993
 AI9582_MARK LOGO: WI-039
 AI9582_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT



AI9582_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AI9582_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI9582+SATELLITE: SATELLITE OBSERVATIONS - May 18, 2017

AI9582	HISTORY	- Date	Condition	Report By
AI9582	HISTORY	- 1993	MONUMENTED	WI-039
AI9582	HISTORY	- 20000313	GOOD	WIDT
AI9582	HISTORY	- 20030730	GOOD	USPSQD
AI9582	HISTORY	- 2004	GOOD	WIDT
AI9582	HISTORY	- 20050527	GOOD	WIDT
AI9582	HISTORY	- 20060919	GOOD	USPSQD
AI9582	HISTORY	- 20170518	GOOD	WOOLPT

AI9582

AI9582 STATION DESCRIPTION

AI9582

AI9582'DESCRIBED BY WI DEPT OF TRANSP 2000 (DJH)
AI9582'THE STATION IS LOCATED ABOUT 9.66 KM (6.00 MI) NORTH-NORTHWEST OF
AI9582'WAUPUN AND 3.21 KM (2.00 MI) SOUTH OF BRANDON. OWNERSHIP--WISCONSIN
AI9582'DEPARTMENT OF TRANSPORTATION. TO REACH THE STATION FROM THE JUNCTION
AI9582'OF STATE HIGHWAY 49 WITH COUNTY HIGHWAY TC ABOUT 0.81 KM (0.50 MI)
AI9582'SOUTHEAST OF THE VILLAGE OF BRANDON, GO SOUTH ON STATE HIGHWAY 49 FOR
AI9582'0.81 KM (0.50 MI) TO LINER ROAD, CONTINUE SOUTH ON STATE HIGHWAY 49
AI9582'FOR 0.81 KM (0.50 MI) TO THE STATION ON THE LEFT. THE STATION IS A
AI9582'BRONZE FOND DU LAC COUNTY GEODETIC CONTROL MARKER DISK STAMPED
AI9582'--BRANDON GPS 1993-- SET IN THE TOP OF A 45-CM (18-INCH) DIAMETER
AI9582'CONCRETE POST FLUSH WITH THE GROUND AND ABOUT LEVEL WITH THE HIGHWAY
AI9582'PAVEMENT. THE STATION IS 13.6 M (44.6 FT) EAST OF THE CENTERLINE OF
AI9582'STATE HIGHWAY 49, 35.2 M (115.5 FT) NORTH OF TELEPHONE PEDESTAL --TOLL
AI9582'8--, 31.3 M (102.7 FT) EAST-SOUTHEAST OF TELEPHONE PEDESTAL --3 17A--,
AI9582'15.6 M (51.2 FT) SOUTH OF A WOOD RIGHT-OF-WAY POST, 2 M (6.6 FT) WEST
AI9582'OF A CULTIVATED FIELD, AND 0.7 M (2.3 FT) NORTHWEST OF A WHITE PLASTIC
AI9582'WITNESS POST. ---NOTE---THIS STATION HAS NO VISIBLE OBSTRUCTION
AI9582'EXTENDING HIGHER THAN 15 DEGREES ABOVE THE HORIZON.

AI9582

AI9582 STATION RECOVERY (2003)

AI9582

AI9582'RECOVERY NOTE BY US POWER SQUADRON 2003 (DRB)
AI9582'STATION RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS ABOUT 51
AI9582'FEET SOUTH OF THE EXTENDED CENTERLINE OF A FIELD ROAD WEST. IT IS 1 M
AI9582'NORTH, 1 M SOUTH AND 1 MEAST OF THREE 4X4 ORANGE PLASTIC GUARD POSTS.

AI9582

AI9582 STATION RECOVERY (2004)

AI9582

AI9582'RECOVERY NOTE BY WI DEPT OF TRANSP 2004 (TSS)
AI9582'RECOVERED AS DESCRIBED.

AI9582

AI9582 STATION RECOVERY (2005)

AI9582

AI9582'RECOVERY NOTE BY WI DEPT OF TRANSP 2005 (DRB)
AI9582'RECOVERED IN GOOD CONDITION.

AI9582

AI9582 STATION RECOVERY (2006)

AI9582

AI9582'RECOVERY NOTE BY US POWER SQUADRON 2006
AI9582'RECOVERED IN GOOD CONDITION.



AI9582

AI9582

STATION RECOVERY (2017)

AI9582

AI9582'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2017 (CC)

AI9582'RECOVERED AS DESCRIBED



The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1      National Geodetic Survey,  Retrieval Date = JULY 10, 2017
OM1344 *****
OM1344 DESIGNATION -  BURNETT W GPS
OM1344 PID          -  OM1344
OM1344 STATE/COUNTY-  WI/DODGE
OM1344 COUNTRY      -  US
OM1344 USGS QUAD    -  BEAVER DAM (1980)
OM1344
OM1344                      *CURRENT SURVEY CONTROL
OM1344 _____
OM1344* NAD 83(2011) POSITION- 43 28 12.35344(N) 088 45 32.96355(W)  ADJUSTED
OM1344* NAD 83(2011) ELLIP HT- 250.948 (meters)                (06/27/12)  ADJUSTED
OM1344* NAD 83(2011) EPOCH   - 2010.00
OM1344* NAVD 88 ORTHO HEIGHT - 286.150 (meters)                938.81 (feet) ADJUSTED
OM1344 _____
OM1344 GEOID HEIGHT   -          -35.203 (meters)                GEOID12B
OM1344 NAD 83(2011) X   -    100,400.904 (meters)                COMP
OM1344 NAD 83(2011) Y   -   -4,635,273.423 (meters)                COMP
OM1344 NAD 83(2011) Z   -    4,365,724.006 (meters)                COMP
OM1344 LAPLACE CORR    -           1.44 (seconds)                DEFLEC12B
OM1344 DYNAMIC HEIGHT -          286.082 (meters)                938.59 (feet) COMP
OM1344 MODELED GRAVITY -    980,376.2 (mgal)                    NAVD 88
OM1344 OBS GRAVITY    -    980,376.9 (mgal)                    GRAV_OBS
OM1344
OM1344 VERT ORDER     -  SECOND      CLASS I
OM1344
OM1344 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OM1344 Standards:
OM1344          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
OM1344          Horiz  Ellip              SD_N   SD_E   SD_h      (unitless)
OM1344 -----
OM1344 NETWORK    0.30   0.41              0.13   0.11   0.21      0.10410195
OM1344 -----
OM1344 Click here for local accuracies and other accuracy information.
OM1344
OM1344
OM1344.The horizontal coordinates were established by GPS observations
OM1344.and adjusted by the National Geodetic Survey in June 2012.
OM1344
OM1344.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OM1344.been affixed to the stable North American tectonic plate. See
OM1344.NA2011 for more information.
OM1344
OM1344.The horizontal coordinates are valid at the epoch date displayed above
OM1344.which is a decimal equivalence of Year/Month/Day.
OM1344
OM1344.The orthometric height was determined by differential leveling and
OM1344.adjusted by the NATIONAL GEODETIC SURVEY
OM1344.in March 2017.

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OM1344_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
OM1344_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
OM1344_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
OM1344+SATELLITE: SATELLITE OBSERVATIONS - May 18, 2017

OM1344

OM1344	HISTORY	- Date	Condition	Report By
OM1344	HISTORY	- 1992	MONUMENTED	WI-027
OM1344	HISTORY	- 19931122	GOOD	WIDT
OM1344	HISTORY	- 20030806	GOOD	WIDT
OM1344	HISTORY	- 20071114	GOOD	WIDT
OM1344	HISTORY	- 20160919	GOOD	WIDT
OM1344	HISTORY	- 20170518	GOOD	WOOLPT

OM1344

OM1344 STATION DESCRIPTION

OM1344

OM1344'DESCRIBED BY WI DEPT OF TRANSP 1993
OM1344'STATION IS PART OF GRAVITY DENSIFICATION PROJECT, LOCATED IN WIDOT
OM1344'DODGE COUNTY GRID REFERENCE G7, ABOUT 6.1 KM (3.80 MI) EAST OF BEAVER
OM1344'DAM, IN THE NORTHWEST CORNER OF THE NORTHWEST 1/4 OF SECTION 31,
OM1344'T12N, R15E, ON HIGHWAY RIGHT-OF-WAY. CONTACT DODGE COUNTY SURVEYORS
OM1344'OFFICE AT 414-386-3770 CONCERNING STATION COORDINATES.
OM1344'TO REACH THE STATION FROM THE INTERSECTION OF COUNTY TRUNK HIGHWAYS A
OM1344'AND E, GO NORTHEAST ON COUNTY TRUNK HIGHWAY E FOR 1.0 KM (0.60 MI) TO
OM1344'THE STATION ON THE LEFT.
OM1344'STATION IS A BRASS DISK IN TOP OF A 45 CM ROUND CONCRETE MONUMENT
OM1344'FLUSH WITH THE GROUND. IT IS 16.8 M (55.1 FT) NORTH FROM THE CENTER
OM1344'OF COUNTY TRUNK HIGHWAY E AND 0.4 M (1.3 FT) SOUTH FROM A WHITE
OM1344'PLASTIC T-POST.

OM1344

OM1344 STATION RECOVERY (2003)

OM1344

OM1344'RECOVERY NOTE BY WI DEPT OF TRANSP 2003 (DJH)
OM1344'OWNERSHIP--DODGE COUNTY. TO REACH THE STATION FROM THE JUNCTION
OM1344'COUNTY HIGHWAY A WITH COUNTY HIGHWAY E ABOUT 4 MI EAST OF BEAVER DAM,
OM1344'GO EAST THEN NORTHEAST ON COUNTY HIGHWAY E FOR 0.6 MI TO SOUTH FIR
OM1344'ROAD ON THE RIGHT AND THE STATION ON THE LEFT. THE STATION IS A
OM1344'BRONZE DODGE COUNTY GEODETIC CONTROL MARKER DISK SET IN THE TOP OF A
OM1344'45-CM DIAMETER CONCRETE POST ABOUT LEVEL WITH HIGHWAY PAVEMENT. THE
OM1344'STATION IS 16.8 M EAST OF THE CENTERLINE OF COUNTY HIGHWAY E, 0.05 MI
OM1344'SOUTH OF NORTH FIR ROAD, 8.6 M SOUTH OF EXTENDED CENTERLINE OF SOUTH
OM1344'FIR ROAD AND PRIVATE ENTRANCE --W7201--, AND 0.4 M SOUTHEAST OF A
OM1344'WHITE PLASTIC WITNESS POST. ---NOTE---THIS STATION HAS NO VISIBLE
OM1344'OBSTRUCTIONS EXTENDING HIGHER THAN 15 DEGREES ABOVE THE HORIZON.

OM1344

OM1344 STATION RECOVERY (2007)

OM1344

OM1344'RECOVERY NOTE BY WI DEPT OF TRANSP 2007 (DRB)
OM1344'RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS 16.8 M NORTHWEST
OM1344'(NOT EAST) OF THE CENTERLINE OF COUNTY HIGHWAY E AND 1.0 M NORTHWEST,
OM1344'1.0 M NORTHEAST, AND 1.0 M SOUTH OF THREE ORANGE 4X4 PLASTIC GUARD
OM1344'POSTS. ---NOTE--- THERE IS NO WHITE PLASTIC WITNESS POST PRESENT.

OM1344

OM1344 STATION RECOVERY (2016)

OM1344

OM1344'RECOVERY NOTE BY WI DEPT OF TRANSP 2016 (EPS)



WOOLPERT

OM1344'RECOVERED AS DESCRIBED.

OM1344

OM1344

STATION RECOVERY (2017)

OM1344

OM1344'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2017 (CC)

OM1344'RECOVERED AS DESCRIBED



The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1      National Geodetic Survey,  Retrieval Date = JULY 10, 2017
DH5546 *****
DH5546 DESIGNATION -  COLUMBUS CENTRAL GPS
DH5546 PID          -  DH5546
DH5546 STATE/COUNTY-  WI/COLUMBIA
DH5546 COUNTRY      -  US
DH5546 USGS QUAD    -  COLUMBUS (1980)
DH5546
DH5546                      *CURRENT SURVEY CONTROL
DH5546
DH5546* NAD 83(2011) POSITION- 43 19 27.11740(N) 089 02 56.48096(W) ADJUSTED
DH5546* NAD 83(2011) ELLIP HT- 234.289 (meters) (06/27/12) ADJUSTED
DH5546* NAD 83(2011) EPOCH   - 2010.00
DH5546* NAVD 88 ORTHO HEIGHT - 269.355 (meters) 883.71 (feet) ADJUSTED
DH5546
DH5546 GEOID HEIGHT   -      -35.067 (meters) GEOID12B
DH5546 NAD 83(2011) X   -      77,133.979 (meters) COMP
DH5546 NAD 83(2011) Y   - -4,646,845.543 (meters) COMP
DH5546 NAD 83(2011) Z   -  4,353,934.194 (meters) COMP
DH5546 LAPLACE CORR    -      -0.04 (seconds) DEFLEC12B
DH5546 DYNAMIC HEIGHT  -      269.287 (meters) 883.49 (feet) COMP
DH5546 MODELED GRAVITY -  980,359.9 (mgal) NAVD 88
DH5546
DH5546 VERT ORDER      -  SECOND CLASS I
DH5546
DH5546 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DH5546 Standards:
DH5546          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
DH5546          Horiz Ellip                    SD_N   SD_E   SD_h          (unitless)
DH5546 -----
DH5546 NETWORK      0.20   0.29                0.09   0.07   0.15          0.06413243
DH5546 -----
DH5546 Click here for local accuracies and other accuracy information.
DH5546
DH5546
DH5546.The horizontal coordinates were established by GPS observations
DH5546.and adjusted by the National Geodetic Survey in June 2012.
DH5546
DH5546.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
DH5546.been affixed to the stable North American tectonic plate. See
DH5546.NA2011 for more information.
DH5546
DH5546.The horizontal coordinates are valid at the epoch date displayed above
DH5546.which is a decimal equivalence of Year/Month/Day.
DH5546
DH5546.The orthometric height was determined by differential leveling and
DH5546.adjusted by the WI DEPT OF TRANSP
DH5546.in May 2012.
DH5546

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DH5546.Significant digits in the geoid height do not necessarily reflect accuracy.
DH5546.GEOID12B height accuracy estimate available [here](#).

DH5546

DH5546.[Photographs](#) are available for this station.

DH5546

DH5546.The X, Y, and Z were computed from the position and the ellipsoidal ht.

DH5546

DH5546.The Laplace correction was computed from DEFLEC12B derived deflections.

DH5546

DH5546.The ellipsoidal height was determined by GPS observations

DH5546.and is referenced to NAD 83.

DH5546

DH5546.The dynamic height is computed by dividing the NAVD 88

DH5546.geopotential number by the normal gravity value computed on the

DH5546.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

DH5546.degrees latitude (g = 980.6199 gals.).

DH5546

DH5546.The modeled gravity was interpolated from observed gravity values.

DH5546

DH5546. The following values were computed from the NAD 83(2011) position.

DH5546

DH5546;		North	East	Units	Scale Factor	Converg.
DH5546;SPC WI S	-	147,545.462	677,127.886	MT	0.99993345	+0 39 12.3
DH5546;SPC WI S	-	484,072.07	2,221,543.74	sFT	0.99993345	+0 39 12.3
DH5546;UTM 16	-	4,798,856.291	333,866.183	MT	0.99993952	-1 24 22.3

DH5546

DH5546! - Elev Factor x Scale Factor = Combined Factor

DH5546!SPC WI S - 0.99996326 x 0.99993345 = 0.99989671

DH5546!UTM 16 - 0.99996326 x 0.99993952 = 0.99990278

DH5546

DH5546_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TCN3386698856(NAD 83)

DH5546

DH5546 SUPERSEDED SURVEY CONTROL

DH5546

DH5546 NAD 83(2007)- 43 19 27.11743(N) 089 02 56.48182(W) AD(2002.00) 0

DH5546 ELLIP H (02/10/07) 234.324 (m) GP(2002.00)

DH5546 NAD 83(1997)- 43 19 27.11730(N) 089 02 56.48219(W) AD() 1

DH5546 ELLIP H (08/01/05) 234.327 (m) GP() 2 1

DH5546 NAVD 88 269.33 (m) 883.6 (f) LEVELING 3

DH5546 NAVD 88 (04/20/07) 269.332 (m) 883.63 (f) SUPERSEDED 2 1

DH5546

DH5546.Superseded values are not recommended for survey control.

DH5546

DH5546.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

DH5546.See file [dsdata.pdf](#) to determine how the superseded data were derived.

DH5546

DH5546_MARKER: DD = SURVEY DISK

DH5546_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

DH5546_STAMPING: COLUMBUS CENTRAL GPS 1994

DH5546_MARK LOGO: WI-021

DH5546_PROJECTION: FLUSH

DH5546_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT

DH5546_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DH5546_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DH5546+SATELLITE: SATELLITE OBSERVATIONS - May 20, 2017



DH5546	HISTORY	- Date	Condition	Report By
DH5546	HISTORY	- 1994	MONUMENTED	WI-021
DH5546	HISTORY	- 20030807	GOOD	WIDT
DH5546	HISTORY	- 20051228	GOOD	WIDT
DH5546	HISTORY	- 20080428	GOOD	WIDT
DH5546	HISTORY	- 20101101	GOOD	JCLS
DH5546	HISTORY	- 20170520	GOOD	WOOLPT

DH5546

DH5546

DH5546

STATION DESCRIPTION

DH5546 'DESCRIBED BY WI DEPT OF TRANSP 2003 (DJH)

DH5546 'OWNERSHIP--COLUMBIA COUNTY. TO REACH THE STATION FROM THE JUNCTION OF
 DH5546 'US HIGHWAY 151 WITH STATE HIGHWAY 73 ABOUT 1 MI SOUTHWEST OF THE
 DH5546 'VILLAGE OF COLUMBUS, GO SOUTHWEST ON STATE HIGHWAY 73 FOR 0.5 MI TO
 DH5546 'BRISTOL ROAD ON THE RIGHT, TURN RIGHT AND GO WEST ON BRISTOL ROAD FOR
 DH5546 '0.7 MI TO SCHAEFER ROAD, TURN RIGHT AND GO NORTH ON SCHAEFER ROAD FOR
 DH5546 '0.5 MI TO COUNTY HIGHWAY K, TURN RIGHT AND GO EAST ON COUNTY HIGHWAY
 DH5546 'K FOR 1.1 MI TO THE STATION ON THE RIGHT. THE STATION IS A BRONZE
 DH5546 'COLUMBIA COUNTY GEODEDIC CONTROL MARKER DISK SET IN THE TOP OF A
 DH5546 '45-CM DIAMETER CONCRETE POST ABOUT LEVEL WITH THE HIGHWAY PAVEMENT.
 DH5546 'THE STATION IS 11.7 M SOUTH-SOUTHWEST OF THE CENTERLINE OF COUNTY
 DH5546 'HIGHWAY K, 32.7 M SOUTH OF POWER POLE --6C/01/97--, 6.3 M NORTHEAST
 DH5546 'OF A STEEL POST FOR A --R/W-- SIGN, 6 M EAST OF A FIELD ENTRANCE, 2 M
 DH5546 'NORTHWEST OF A CULTIVATED FIELD, 0.4 M NORTH OF A WHITE PLASTIC
 DH5546 'WITNESS POST AND 1.0 M WEST, NORTH, SOUTH OF THREE ORANGE 4X4 PLASTIC
 DH5546 'WITNESS POSTS. ---NOTE---THIS STATION HAS NO VISIBLE OBSTRUCTIONS
 DH5546 'EXTENDING HIGHER THAN 10 DEGREES ABOVE THE HORIZON.

DH5546

DH5546

DH5546

STATION RECOVERY (2005)

DH5546 'RECOVERY NOTE BY WI DEPT OF TRANSP 2005 (PJH)

DH5546 'RECOVERED AS DESCRIBED.

DH5546

DH5546

DH5546

STATION RECOVERY (2008)

DH5546 'RECOVERY NOTE BY WI DEPT OF TRANSP 2008 (DRB)

DH5546 'RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS 0.25 MILE SOUTHWEST
 DH5546 'OF THE CENTER OF THE COUNTY HIGHWAY K BRIDGE OVER US HIGHWAY 51 AND
 DH5546 '19.0 M SOUTHEAST OF A --LEAVING COLUMBUS CITY LIMITS-- METAL SIGN.

DH5546

DH5546

DH5546

STATION RECOVERY (2010)

DH5546 'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2010

DH5546 'RECOVERED IN GOOD CONDITION.

DH5546

DH5546

DH5546

STATION RECOVERY (2017)

DH5546 'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2017 (CC)

DH5546 'RECOVERED AS DESCRIBED EXCEPT THE PLASTIC WITNESS POSTS ARE MISSING



The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1      National Geodetic Survey,  Retrieval Date = JULY 10, 2017
DF9982 *****
DF9982 DESIGNATION -  WATERTOWN C GPS
DF9982 PID          -  DF9982
DF9982 STATE/COUNTY-  WI/JEFFERSON
DF9982 COUNTRY      -  US
DF9982 USGS QUAD    -  WATERTOWN (1971)
DF9982
DF9982                      *CURRENT SURVEY CONTROL
DF9982
DF9982* NAD 83(2011) POSITION- 43 09 20.15524(N) 088 44 05.22212(W) ADJUSTED
DF9982* NAD 83(2011) ELLIP HT- 222.912 (meters) (06/27/12) ADJUSTED
DF9982* NAD 83(2011) EPOCH   - 2010.00
DF9982* NAVD 88 ORTHO HEIGHT - 257.564 (meters) 845.02 (feet) ADJUSTED
DF9982
DF9982 GEOID HEIGHT   -      -34.652 (meters) GEOID12B
DF9982 NAD 83(2011) X   - 102,901.463 (meters) COMP
DF9982 NAD 83(2011) Y   - -4,659,173.477 (meters) COMP
DF9982 NAD 83(2011) Z   - 4,340,280.470 (meters) COMP
DF9982 LAPLACE CORR     -      0.48 (seconds) DEFLEC12B
DF9982 DYNAMIC HEIGHT   -      257.498 (meters) 844.81 (feet) COMP
DF9982 MODELED GRAVITY   - 980,360.2 (mgal) NAVD 88
DF9982
DF9982 VERT ORDER      - SECOND CLASS I
DF9982
DF9982 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DF9982 Standards:
DF9982          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
DF9982          Horiz Ellip                SD_N   SD_E   SD_h          (unitless)
DF9982 -----
DF9982 NETWORK      0.33   0.39                0.15   0.11   0.20          0.06491828
DF9982 -----
DF9982 Click here for local accuracies and other accuracy information.
DF9982
DF9982
DF9982.The horizontal coordinates were established by GPS observations
DF9982.and adjusted by the National Geodetic Survey in June 2012.
DF9982
DF9982.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
DF9982.been affixed to the stable North American tectonic plate. See
DF9982.NA2011 for more information.
DF9982
DF9982.The horizontal coordinates are valid at the epoch date displayed above
DF9982.which is a decimal equivalence of Year/Month/Day.
DF9982
DF9982.The orthometric height was determined by differential leveling and
DF9982.adjusted by the WI DEPT OF TRANSP
DF9982.in May 2012.
DF9982

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DF9982.Significant digits in the geoid height do not necessarily reflect accuracy.
DF9982.GEOID12B height accuracy estimate available [here](#).

DF9982
DF9982.[Photographs](#) are available for this station.

DF9982
DF9982.The X, Y, and Z were computed from the position and the ellipsoidal ht.

DF9982
DF9982.The Laplace correction was computed from DEFLEC12B derived deflections.

DF9982
DF9982.The ellipsoidal height was determined by GPS observations
DF9982.and is referenced to NAD 83.

DF9982
DF9982.The dynamic height is computed by dividing the NAVD 88
DF9982.geopotential number by the normal gravity value computed on the
DF9982.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DF9982.degrees latitude (g = 980.6199 gals.).

DF9982
DF9982.The modeled gravity was interpolated from observed gravity values.

DF9982
DF9982. The following values were computed from the NAD 83(2011) position.

DF9982;		North	East	Units	Scale Factor	Converg.
DF9982;SPC WI S	-	129,156.378	702,896.287	MT	0.99994169	+0 52 09.6
DF9982;SPC WI S	-	423,740.55	2,306,085.57	sFT	0.99994169	+0 52 09.6
DF9982;UTM 16	-	4,779,554.695	358,956.521	MT	0.99984472	-1 11 12.3
DF9982!	-	Elev Factor	x Scale Factor	=	Combined Factor	
DF9982!SPC WI S	-	0.99996504	x 0.99994169	=	0.99990674	
DF9982!UTM 16	-	0.99996504	x 0.99984472	=	0.99980977	

DF9982
DF9982_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TCN5895679554(NAD 83)

DF9982
DF9982
DF9982 SUPERSEDED SURVEY CONTROL

DF9982	NAD 83(2007)-	43 09 20.15522(N)	088 44 05.22303(W)	AD(2002.00)	0
DF9982	ELLIP H (02/10/07)	222.941 (m)		GP(2002.00)	
DF9982	NAD 83(1997)-	43 09 20.15511(N)	088 44 05.22330(W)	AD()	1
DF9982	ELLIP H (04/02/04)	222.945 (m)		GP()	4 1
DF9982	NAVD 88	257.54 (m)	844.9	(f) LEVELING	3
DF9982	NAVD 88 (04/20/07)	257.541 (m)	844.95	(f) SUPERSEDED	2 1
DF9982	NAVD 88	257.48 (m)	844.7	(f) LEVELING	3
DF9982	NAVD 88 (02/25/04)	257.484 (m)	844.76	(f) SUPERSEDED	2 1

DF9982
DF9982.Superseded values are not recommended for survey control.

DF9982
DF9982.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DF9982.See file [dsdata.pdf](#) to determine how the superseded data were derived.

DF9982
DF9982_MARKER: DD = SURVEY DISK
DF9982_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DF9982_STAMPING: WATERTOWN C GPS 1992
DF9982_MARK LOGO: WI-055
DF9982_PROJECTION: FLUSH
DF9982_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
DF9982_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL



DF9982_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DF9982+SATELLITE: SATELLITE OBSERVATIONS - May 20, 2017

DF9982

DF9982	HISTORY	- Date	Condition	Report By
DF9982	HISTORY	- 1992	MONUMENTED	WI-055
DF9982	HISTORY	- 2001	GOOD	WIDT
DF9982	HISTORY	- 20060918	GOOD	WIDT
DF9982	HISTORY	- 20101101	GOOD	JCLS
DF9982	HISTORY	- 20170520	GOOD	WOOLPT

DF9982

DF9982

STATION DESCRIPTION

DF9982

DF9982'DESCRIBED BY WI DEPT OF TRANSP 2001 (DJH)
DF9982'THE STATION IS LOCATED ABOUT 20 KM NORTHWEST OF OCONOMOWOC, 9 KM
DF9982'NORTH-NORTHEAST OF JOHNSON CREEK, AND 4 KM SOUTH OF WATERTOWN.
DF9982'OWNERSHIP--WISCONSIN DEPARTMENT OF TRANSPORTATION. TO REACH THE
DF9982'STATION FROM THE JUNCTION OF STATE HIGHWAY 19 AND STATE HIGHWAY 26 AT
DF9982'THE INTERSECTION OF MAIN STREET AND CHURCH STREET IN THE CITY OF
DF9982'WATERTOWN, GO SOUTH ON STATE HIGHWAY 26 (CHURCH STREET) FOR 2.7 KM TO
DF9982'COUNTY HIGHWAY Y, CONTINUE SOUTH ON STATE HIGHWAY 26 FOR 1.6 KM TO
DF9982'THE STATION ON THE RIGHT. THE STATION IS A BRONZE JEFFERSON COUNTY
DF9982'GEODETIC CONTROL MARKER DISK SET IN THE TOP OF A 30-CM DIAMETER
DF9982'CONCRETE POST SET TO A DEPTH OF 1.8 M AND ABOUT 1 M ABOVE THE HIGHWAY
DF9982'PAVEMENT. THE STATION IS 21.3 M WEST OF THE CENTERLINE OF STATE
DF9982'HIGHWAY 26, 2 M EAST OF A CULTIVATED FIELD, AND 1.7 M SOUTHEAST OF A
DF9982'METAL --R/W-- POST. ---NOTE---THE STATION IS 1.0 M SOUTH, NORTH AND
DF9982'WEST OF AN ORANGE 4X4 PLASTIC WITNESS POST. ---NOTE---THIS STATION
DF9982'HAS NO VISIBLE OBSTRUCTIONS EXTENDING HIGHER THAN 15 DEGREES ABOVE
DF9982'THE HORIZON.

DF9982

DF9982

STATION RECOVERY (2006)

DF9982

DF9982'RECOVERY NOTE BY WI DEPT OF TRANSP 2006 (GRS)
DF9982'RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS 18.1 M SOUTH OF THE
DF9982'EXTENDED CENTERLINE OF THE GATEWAY DRIVE MEDIAN STRIP.

DF9982

DF9982

STATION RECOVERY (2010)

DF9982

DF9982'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2010
DF9982'RECOVERED IN GOOD CONDITION.

DF9982

DF9982

STATION RECOVERY (2017)





DF9982


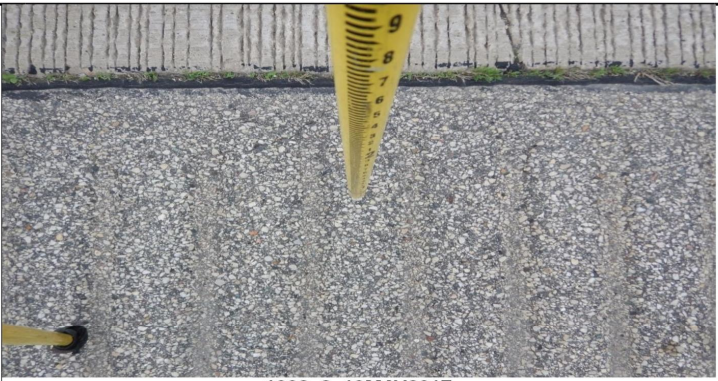

DF9982'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2017 (CC)
DF9982'RECOVERED IN GOOD CONDITION











Section 4: Station Observation Sheets and Photos






This section contains the station observation sheets and photos for all of the newly established LiDAR control, LiDAR quality control, and recovered geodetic control stations for the USGS WI Dodge County 2017 B17 LiDAR Project. The stations appear as they are ordered in the final coordinate listing of Section 2.






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>1001</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°21'21.85"</u>	Receiver :	
Longitude	<u>W89°00'39.52"</u>	R10	
Ellipsoidal Height	<u>728.3'</u>	R8	6136
		Other, specify	
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>16:02</u> Stop Time : <u>16:05</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>16:05</u> Stop Time : <u>16:08</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO	 NORTH		
			
	1001, 2, 19MAY2017		
			
	1001, 3N, 19MAY2017		
	1001, 3E, 19MAY2017		






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>1002</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°22'31.35"</u>	Receiver :	
Longitude	<u>W88°57'58.09"</u>	R10	<input type="checkbox"/>
Ellipsoidal Height	<u>768.9'</u>	R8	<input checked="" type="checkbox"/> 6136
		Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:21</u> Stop Time : <u>15:24</u>
		PDOP Max:	<u>1.8</u>
		Start Time :	<u>15:27</u> Stop Time : <u>15:30</u>
		PDOP Max:	<u>1.8</u>
		Weather Conditions	<u>LIGHT RAIN 50°</u>
LOCATION PHOTO			
 NORTH			
1002, 2, 19MAY2017			
			
1002, 3NW, 19MAY2017		1002, 3NE, 19MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>1003</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°24'19.32"</u>	Receiver :	
Longitude	<u>W88°55'18.14"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>758.7'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>15:05</u> Stop Time : <u>15:08</u>
		PDOP Max:	<u>2.1</u>
		Start Time :	<u>15:08</u> Stop Time : <u>15:11</u>
		PDOP Max:	<u>2.1</u>
		Weather Conditions	<u>LIGHT RAIN 50°</u>
LOCATION PHOTO			
 NORTH			
	1003, 2, 19MAY2017		
			
	1003, 3NW, 19MAY2017		
	1003, 3NE, 19MAY2017		






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leesemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>1004</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°25'52.06"</u>	Receiver :	
Longitude	<u>W88°52'34.31"</u>	R10	<input type="checkbox"/>
Ellipsoidal Height	<u>779.4'</u>	R8	<input checked="" type="checkbox"/> 6136
		Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>12:00</u> Stop Time : <u>12:03</u>
		PDOP Max:	<u>1.9</u>
		Start Time :	<u>12:03</u> Stop Time : <u>12:06</u>
		PDOP Max:	<u>1.8</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH			
1004, 2, 19MAY2017			
			
1004, 3N, 19MAY2017		1004, 3E, 19MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leesemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>1005</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/>	
		Control Station	Agency <u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°26'11.08"</u>	Receiver :	
Longitude	<u>W88°49'54.28"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>738.2'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>10:47</u> Stop Time : <u>10:50</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>10:51</u> Stop Time : <u>10:54</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 48°</u>
LOCATION PHOTO	 NORTH		
	 1005, 2, 19MAY2017		
 1005, 3NW, 19MAY2017			
 1005, 3NE, 19MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>1006</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'51.87"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°47'15.16"</u>	R8	<input checked="" type="checkbox"/> 4428
Ellipsoidal Height	<u>731.2'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>8:58</u> Stop Time : <u>9:01</u>
		PDOP Max:	<u>1.6</u>
		Start Time :	<u>9:02</u> Stop Time : <u>9:05</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>PARTLY CLOUDY 65°</u>
LOCATION PHOTO  NORTH	 1006, 2, 18MAY2017		
 1006, 3SW, 18MAY2017		 1006, 3NW, 18MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leesemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>1007</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'40.93"</u>	R10	4428 & 6136
Longitude	<u>W88°44'31.84"</u>	R8	
Ellipsoidal Height	<u>817.3'</u>	Other, specify	
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>10:44</u> Stop Time : <u>10:47</u>
		PDOP Max:	<u>2.0</u>
		Start Time :	<u>10:59</u> Stop Time : <u>11:02</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 65°</u>
LOCATION PHOTO			
 NORTH			
1007, 2, 18MAY2017			
			
1007, 3W, 18MAY2017		1007, 3S, 18MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1009</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'39.91"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°39'10.41"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>804.7</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:29</u> Stop Time : <u>15:32</u>
		PDOP Max:	<u>1.6</u>
		Start Time :	<u>15:32</u> Stop Time : <u>15:35</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>PARTLY CLOUDY 64°</u>
LOCATION PHOTO			
 NORTH			
1009, 2, 22MAY2017			
			
1009, 3W, 22MAY2017		1009, 3S, 22MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1010</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'39.11"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°36'27.51"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>799.0'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:37</u> Stop Time : <u>14:40</u>
		PDOP Max:	<u>3.5</u>
		Start Time :	<u>14:40</u> Stop Time : <u>14:43</u>
		PDOP Max:	<u>2.2</u>
		Weather Conditions	<u>PARTLY CLOUDY 60°</u>
LOCATION PHOTO  NORTH			
1010, 2, 22MAY2017			
			
1010, 3N, 22MAY2017		1010, 3E, 22MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	1011	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°26'35.02"	R10	<input type="checkbox"/>
Longitude	W88°33'46.26"	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	833.9'	Other, specify	<input type="checkbox"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	15:47 Stop Time : 15:50
		PDOP Max:	2.0
		Start Time :	15:51 Stop Time : 15:54
		PDOP Max:	1.9
		Weather Conditions	PARTLY CLOUDY 63°
LOCATION PHOTO			
 NORTH			
1011, 2, 22MAY2017			
			
1011, 3N, 22MAY2017		1011, 3E, 22MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1012</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'33.93"</u>	R10	<input type="text"/>
Longitude	<u>W88°31'03.73"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>1009.1'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:01</u> Stop Time : <u>16:04</u>
		PDOP Max:	<u>1.9</u>
		Start Time :	<u>16:05</u> Stop Time : <u>16:08</u>
		PDOP Max:	<u>1.9</u>
		Weather Conditions	<u>PARTLY CLOUDY 62°</u>
LOCATION PHOTO			
 NORTH			
1012, 2, 22MAY2017			
			
1012, 3N, 22MAY2017		1012, 3E, 22MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1013</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°26'10.27"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°28'22.21"</u>	R8	<input checked="" type="checkbox"/>
Ellipsoidal Height	<u>1029.0'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:13</u> Stop Time : <u>16:16</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>16:17</u> Stop Time : <u>16:20</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>PARTLY CLOUDY 62°</u>
LOCATION PHOTO  NORTH	 <p style="text-align: center;">1013, 2, 22MAY2017</p>		
 <p style="text-align: center;">1013, 3SE, 22MAY2017</p>		 <p style="text-align: center;">1013, 3NE, 22MAY2017</p>	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1014</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°25'36.03"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°25'42.93"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>964.0'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:25</u> Stop Time : <u>16:28</u>
		PDOP Max:	<u>1.3</u>
		Start Time :	<u>16:32</u> Stop Time : <u>16:35</u>
		PDOP Max:	<u>1.3</u>
		Weather Conditions	<u>PARTLY CLOUDY 61°</u>
LOCATION PHOTO  NORTH	 1014, 2, 22MAY2017		
 1014, 3W, 22MAY2017 1014, 3S, 22MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>1015</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input checked="" type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°25'20.65"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°23'52.50"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>957.2'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:41</u> Stop Time : <u>16:44</u>
		PDOP Max:	<u>1.8</u>
		Start Time :	<u>16:45</u> Stop Time : <u>16:48</u>
		PDOP Max:	<u>1.8</u>
		Weather Conditions	<u>PARTLY CLOUDY 61°</u>
LOCATION PHOTO			
 NORTH			
	1015, 2, 22MAY2017		
			
1015, 3N, 22MAY2017		1015, 3E, 22MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2001</u>	File Name	<u>DODGECO 138 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID <input type="checkbox"/> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
		Agency	<u>Woolpert</u>
Global Coordinates			
Latitude	<u>N43°37'58.80"</u>	Receiver :	<input type="text"/>
Longitude	<u>W88°00'19.47"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>903.5'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>17:04</u> Stop Time : <u>17:07</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>17:07</u> Stop Time : <u>17:10</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>PARTLY CLOUDY 58°</u>
LOCATION PHOTO  NORTH	 2001, 2, 18MAY2017		
 2001, 3W, 18MAY2017			
 2001, 3S, 18MAY2017			





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2002</u>	File Name	<u>DODGECO 138 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID <input type="checkbox"/> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
		Agency	<u>Woolpert</u>
Global Coordinates			
Latitude	<u>N43°37'59.72"</u>	Receiver :	<input type="text"/>
Longitude	<u>W88°51'47.06"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>825.6'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:42</u> Stop Time : <u>15:45</u>
		PDOP Max:	<u>1.9</u>
		Start Time :	<u>15:46</u> Stop Time : <u>15:49</u>
		PDOP Max:	<u>1.9</u>
		Weather Conditions	<u>CLOUDY 60°</u>
LOCATION PHOTO  NORTH	 2002, 2, 18MAY2017		
 			
2002, 3N, 18MAY2017		2002, 3E, 18MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2003</u>	File Name	<u>DODGECO 138 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID <input type="checkbox"/> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
		Agency	<u>Woolpert</u>
Global Coordinates			
Latitude	<u>N43°37'58.60"</u>	Receiver :	<input type="text"/>
Longitude	<u>W88°43'03.08"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>770.8'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:09</u> Stop Time : <u>14:12</u>
		PDOP Max:	<u>2.1</u>
		Start Time :	<u>14:23</u> Stop Time : <u>14:26</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 64°</u>
LOCATION PHOTO  NORTH	 2003, 2, 18MAY2017		
 2003, 3W, 18MAY2017			
 2003, 3S, 18MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2004	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°37'55.37"	R10	<input type="checkbox"/>
Longitude	W88°32'30.74"	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	1009.8'	Other, specify	<input type="checkbox"/>
Type of Mark	GRAVEL	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:01 Stop Time : 13:04
		PDOP Max:	1.6
		Start Time :	13:04 Stop Time : 13:07
		PDOP Max:	1.5
		Weather Conditions	CLOUDY 58°
LOCATION PHOTO  NORTH	 2004, 2, 23MAY2017		
 			
2004, 3W, 23MAY2017		2004, 3N, 23MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>23-May-17</u>
Station Name	<u>2005</u>	File Name	<u>DODGECO_143_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°37'52.09"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°24'03.79"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>914.6'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>12:29</u> Stop Time : <u>12:32</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>12:32</u> Stop Time : <u>12:35</u>
		PDOP Max:	<u>1.3</u>
		Weather Conditions	<u>CLOUDY 64°</u>
LOCATION PHOTO			
 NORTH			
2005, 2, 23MAY2017			
			
2005, 3W, 23MAY2017		2005, 3S, 23MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>23-May-17</u>
Station Name	<u>2006</u>	File Name	<u>DODGECO_143_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°32'24.02"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°24'01.44"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>856.6'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>10:43</u> Stop Time : <u>10:46</u>
		PDOP Max:	<u>1.8</u>
		Start Time :	<u>10:46</u> Stop Time : <u>10:49</u>
		PDOP Max:	<u>2.0</u>
		Weather Conditions	<u>CLOUDY 64°</u>
LOCATION PHOTO			
 NORTH	2006, 2, 23MAY2017		
			
2006, 3W, 23MAY2017		2006, 3S, 23MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>2007</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°27'24.39"</u>	R10	<input type="text"/>
Longitude	<u>W88°24'02.91"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>919.9'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>17:33</u> Stop Time : <u>17:36</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>17:36</u> Stop Time : <u>17:39</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>PARTLY CLOUDY 62°</u>
LOCATION PHOTO  NORTH	 2007, 2, 22MAY2017		
 2007, 3SE, 22MAY2017 2007, 3NE, 22MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2008	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°22'14.38"	R10	<input type="checkbox"/>
Longitude	W88°24'05.88"	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	968.4'	Other, specify	<input type="checkbox"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:27 Stop Time : 12:30
		PDOP Max:	1.3
		Start Time :	12:31 Stop Time : 12:34
		PDOP Max:	1.3
		Weather Conditions	SUNNY 63°
LOCATION PHOTO  NORTH	 2008, 2, 22MAY2017		
 2008, 3S, 22MAY2017		 2008, 3E, 22MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2009</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°17'47.53"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°25'08.66"</u>	R8	<input checked="" type="checkbox"/>
Ellipsoidal Height	<u>864.4'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:45</u> Stop Time : <u>15:48</u>
		PDOP Max:	<u>2.0</u>
		Start Time :	<u>15:51</u> Stop Time : <u>15:54</u>
		PDOP Max:	<u>1.9</u>
		Weather Conditions	<u>CLOUDY 54°</u>
LOCATION PHOTO			
 NORTH	2009, 2, 21MAY2017		
			
2009, 3W, 21MAY2017		2009, 3S, 21MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2010</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°11'40.93"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°25'05.09"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>847.9'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:33</u> Stop Time : <u>14:36</u>
		PDOP Max:	<u>2.6</u>
		Start Time :	<u>14:36</u> Stop Time : <u>14:39</u>
		PDOP Max:	<u>2.6</u>
		Weather Conditions	<u>CLOUDY 56°</u>
LOCATION PHOTO  NORTH	 2010, 2, 21MAY2017		
 2010, 3S, 21MAY2017 2010, 3E, 21MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2011</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°11'46.71"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°32'54.43"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>732.6'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:12</u> Stop Time : <u>13:15</u>
		PDOP Max:	<u>1.6</u>
		Start Time :	<u>13:15</u> Stop Time : <u>13:18</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>CLOUDY 57°</u>
LOCATION PHOTO  NORTH	 2011, 2, 21MAY2017		
 2011, 3S, 21MAY2017		 2011, 3E, 21MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leesemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>2012</u>	File Name	<u>DODGECO 140 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
*Ran 3 RTK observations due to poor residuals		Agency	<u>Woolpert</u>
		N/A	_____
		N/A	_____
		N/A	_____
		N/A	_____
Global Coordinates			
Latitude	<u>N43°11'51.44"</u>	Receiver :	
Longitude	<u>W88°43'32.56"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>699.9'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>13:24</u> Stop Time : <u>13:27</u>
		PDOP Max:	<u>2.2</u>
		Start Time :	<u>13:31</u> Stop Time : <u>13:34</u>
		PDOP Max:	<u>2.0</u>
		Weather Conditions	<u>RAIN 47°</u>
LOCATION PHOTO  NORTH	 2012, 2, 20MAY2017		
			
2012, 3N, 20MAY2017		2012, 3E, 20MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leesemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>2013</u>	File Name	<u>DODGECO 140 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	
		Control Station	Agency <u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°11'51.98"</u>	R10	<input type="text"/>
Longitude	<u>W88°51'43.33"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>680.4'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:18</u> Stop Time : <u>14:21</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>14:21</u> Stop Time : <u>14:24</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>RAIN 47°</u>
LOCATION PHOTO  NORTH	 2013, 2, 20MAY2017		
 2013, 3W, 20MAY2017			
 2013, 3N, 20MAY2017			



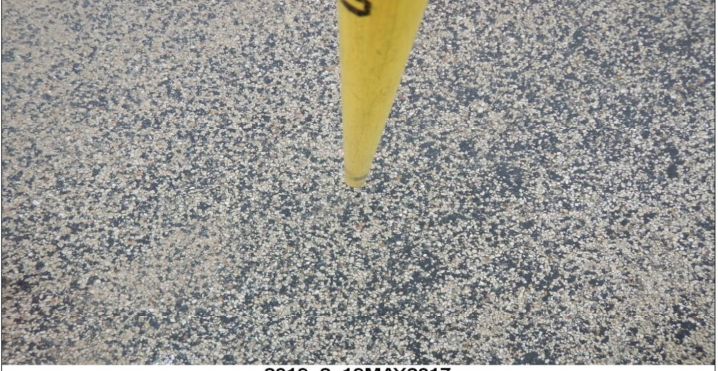


		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>2014</u>	File Name	<u>2014_61361402.T01</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°11'51.77"</u>	R10	<input type="checkbox"/>
Longitude	<u>W89°00'32.63"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>739.4'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:30</u> Stop Time : <u>16:51</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>N/A</u> Stop Time : <u>N/A</u>
		PDOP Max:	<u>N/A</u>
		Weather Conditions	<u>RAIN 49°</u>
LOCATION PHOTO			
 NORTH			
2014, 2, 20MAY2017			
			
2014, 3N, 20MAY2017		2014, 3E, 20MAY2017	



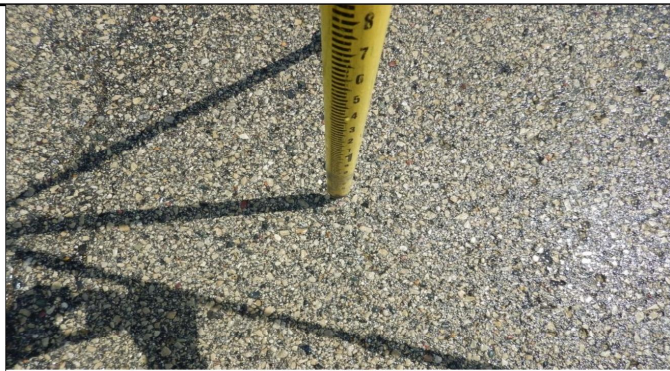

		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>2015</u>	File Name	<u>DODGECO 140 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	
		Control Station	Agency <u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°17'32.53"</u>	Receiver :	
Longitude	<u>W89°00'33.12"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>753.1'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>11:25</u> Stop Time : <u>11:28</u>
		PDOP Max:	<u>2.1</u>
		Start Time :	<u>11:29</u> Stop Time : <u>11:32</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>RAIN 47°</u>
LOCATION PHOTO  NORTH			
	2015, 2, 20MAY2017		
			
2015, 3S, 20MAY2017			
			
2015, 3E, 20MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2016</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID <u> </u> Hor. Order <u> </u> Ver. Order <u> </u> Designation <u> </u>
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°22'11.42"</u>	Receiver :	
Longitude	<u>W89°00'23.47"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>724.9'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:49</u> Stop Time : <u>15:52</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>15:52</u> Stop Time : <u>15:55</u>
		PDOP Max:	<u>1.9</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO			
 NORTH			
2016, 2, 19MAY2017			
			
2016, 3SW, 19MAY2017		2016, 3NW, 19MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2017</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		N/A	_____
		N/A	_____
		N/A	_____
		N/A	_____
Global Coordinates			
Latitude	<u>N43°27'04.65"</u>	Receiver :	
Longitude	<u>W89°00'21.46"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>828.0'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>13:52</u> Stop Time : <u>13:55</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>14:05</u> Stop Time : <u>14:08</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 50°</u>
LOCATION PHOTO			
 NORTH	 2017, 2, 19MAY2017		
 2017, 3W, 19MAY2017  2017, 3S, 19MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2018</u>	File Name	<u>DODGECO 138 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID <input type="checkbox"/> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
		Agency	<u>Woolpert</u>
Global Coordinates			
Latitude	<u>N43°32'43.91"</u>	Receiver :	<input type="text"/>
Longitude	<u>W89°00'22.23"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>845.4'</u>	R8	<input type="text" value="6136"/>
Type of Mark	<u>GRAVEL</u>	Other, specify	<input type="text"/>
Mark Stamping	<u>N/A</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
		Start Time :	<u>17:25</u> Stop Time : <u>17:28</u>
		PDOP Max:	<u>1.8</u>
		Start Time :	<u>17:29</u> Stop Time : <u>17:32</u>
		PDOP Max:	<u>1.8</u>
		Weather Conditions	<u>PARTLY CLOUDY 60°</u>
LOCATION PHOTO  NORTH	 2018, 2, 18MAY2017		
 2018, 3W, 18MAY2017 2018, 3N, 18MAY2017			



		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2019</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		N/A	_____
		N/A	_____
		N/A	_____
		N/A	_____
Global Coordinates		Receiver :	
Latitude	<u>N43°32'45.30"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°52'37.11"</u>	R8	<input checked="" type="checkbox"/>
Ellipsoidal Height	<u>814.8'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>9:24</u> Stop Time : <u>9:27</u>
		PDOP Max:	<u>1.2</u>
		Start Time :	<u>9:28</u> Stop Time : <u>9:31</u>
		PDOP Max:	<u>1.2</u>
		Weather Conditions	<u>CLOUDY 46°</u>
LOCATION PHOTO	 NORTH		
	 2019, 2, 19MAY2017		
 2019, 3S, 19MAY2017		 2019, 3E, 19MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2020</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°32'45.09"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°43'08.05"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>786.9'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>12:32</u> Stop Time : <u>12:35</u>
		PDOP Max:	<u>1.3</u>
		Start Time :	<u>12:35</u> Stop Time : <u>12:38</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 61°</u>
LOCATION PHOTO			
 NORTH	 2020, 2, 18MAY2017		
 2020, 3S, 18MAY2017 2020, 3E, 18MAY2017			


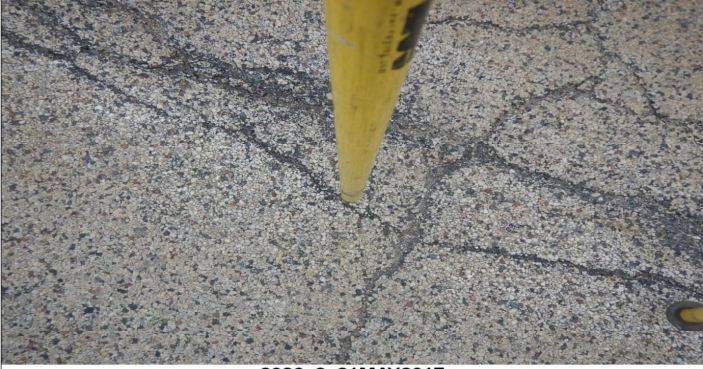



		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>23-May-17</u>
Station Name	<u>2021</u>	File Name	<u>DODGECO_143_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°31'47.33"</u>	R10	<input type="text"/>
Longitude	<u>W88°31'47.43"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>922.7</u>	Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>9:39</u> Stop Time : <u>9:42</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>9:43</u> Stop Time : <u>9:46</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>PARTLY CLOUDY 60°</u>
LOCATION PHOTO  NORTH	 2021, 2, 23MAY2017		
 2021, 3N, 23MAY2017		 2021, 3E, 23MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2022</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		LID	<u>N/A</u>
		Hor. Order	<u>N/A</u>
		Ver. Order	<u>N/A</u>
		Designation	<u>N/A</u>
Global Coordinates			
Latitude	<u>N43°25'07.01"</u>	Receiver :	
Longitude	<u>W88°51'59.58"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>763.2'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>11:34</u> Stop Time : <u>11:37</u>
		PDOP Max:	<u>1.6</u>
		Start Time :	<u>11:38</u> Stop Time : <u>11:41</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>CLOUDY 49°</u>
LOCATION PHOTO  NORTH	 <p style="text-align: center;">2022, 2, 19MAY2017</p>		
 <p style="text-align: center;">2022, 3W, 19MAY2017</p>		 <p style="text-align: center;">2022, 3S, 19MAY2017</p>	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2023</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°24'37.28"</u>	R10	<input type="text"/>
Longitude	<u>W88°42'20.43"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>797.7</u>	Other, specify	<input type="text"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>9:06</u> Stop Time : <u>9:09</u>
		PDOP Max:	<u>1.5</u>
		Start Time :	<u>9:09</u> Stop Time : <u>9:12</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>PARTLY CLOUDY 57°</u>
LOCATION PHOTO			
 NORTH			
2023, 2, 21MAY2017			
			
2023, 3W, 21MAY2017		2023, 3S, 21MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>2024</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°25'16.59"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°32'52.27"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>797.4'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:34</u> Stop Time : <u>13:37</u>
		PDOP Max:	<u>1.2</u>
		Start Time :	<u>13:37</u> Stop Time : <u>13:40</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>PARTLY CLOUDY 64°</u>
LOCATION PHOTO			
 NORTH			
	2024, 2, 22MAY2017		
			
2024, 3W, 22MAY2017		2024, 3S, 22MAY2017	



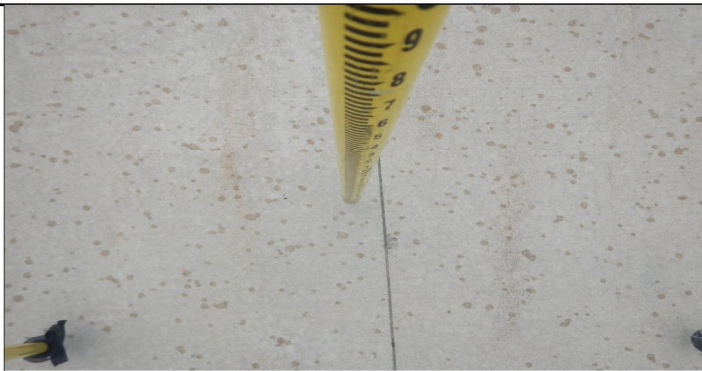

		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2025	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°18'04.54"	R10	<input type="text"/>
Longitude	W88°50'49.30"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	707.7	Other, specify	<input type="text"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:31 Stop Time : 10:34
		PDOP Max:	1.8
		Start Time :	10:35 Stop Time : 10:38
		PDOP Max:	1.8
		Weather Conditions	PARTLY CLOUDY 58°
LOCATION PHOTO			
 NORTH	 2025, 2, 21MAY2017		
 2025, 3SW, 21MAY2017			
 2025, 3SE, 21MAY2017			





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2026</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°18'24.20"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°43'20.22"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>799.8'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>17:59</u> Stop Time : <u>18:02</u>
		PDOP Max:	<u>1.5</u>
		Start Time :	<u>18:02</u> Stop Time : <u>18:05</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO			
 NORTH			
2026, 2, 21MAY2017			
			
2026, 3W, 21MAY2017		2026, 3N, 21MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>21-May-17</u>
Station Name	<u>2027</u>	File Name	<u>DODGECO_141_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°18'17.15"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°31'59.91"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>774.9'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:43</u> Stop Time : <u>16:46</u>
		PDOP Max:	<u>1.3</u>
		Start Time :	<u>16:46</u> Stop Time : <u>16:49</u>
		PDOP Max:	<u>1.3</u>
		Weather Conditions	<u>CLOUDY 54°</u>
LOCATION PHOTO			
 NORTH			
2027, 2, 21MAY2017			
			
2027, 3W, 21MAY2017		2027, 3N, 21MAY2017	






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2028</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°34'10.73"</u>	R10	<input type="text"/>
Longitude	<u>W88°56'36.52"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>781.1'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>CONC PAD</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>8:43</u> Stop Time : <u>8:46</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>8:46</u> Stop Time : <u>8:49</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 44°</u>
LOCATION PHOTO  NORTH	 2028, 2, 19MAY2017		
 2028, 3W, 19MAY2017		 2028, 3N, 19MAY2017	





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2029</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station LID _____ Hor. Order _____ Ver. Order _____ Designation _____
		Agency	<u>Woolpert</u>
		N/A	_____
		N/A	_____
		N/A	_____
		N/A	_____
Global Coordinates			
Latitude	<u>N43°30'13.06"</u>	Receiver :	
Longitude	<u>W88°48'11.22"</u>	R10	<input type="text"/>
Ellipsoidal Height	<u>854.5'</u>	R8	<input type="text" value="6136"/>
		Other, specify	<input type="text"/>
Type of Mark	<u>CONC PAD</u>	Antenna Height:	<u>6.562</u> USFT
Mark Stamping	<u>N/A</u>		<u>2.000</u> METERS
		Start Time :	<u>10:18</u> Stop Time : <u>10:21</u>
		PDOP Max:	<u>1.6</u>
		Start Time :	<u>10:22</u> Stop Time : <u>10:25</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 46°</u>
LOCATION PHOTO  NORTH	 2029, 2, 19MAY2017		
 2029, 3W, 19MAY2017 2029, 3N, 19MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>2030</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°25'03.87"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°35'47.23"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>776.7</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>CONC PAD</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:25</u> Stop Time : <u>14:28</u>
		PDOP Max:	<u>2.7</u>
		Start Time :	<u>14:28</u> Stop Time : <u>14:31</u>
		PDOP Max:	<u>2.1</u>
		Weather Conditions	<u>PARTLY CLOUDY 59°</u>
LOCATION PHOTO  NORTH	 <p style="text-align: center;">2030, 2, 22MAY2017</p>		
 <p style="display: flex; justify-content: space-around;">2030, 3S, 22MAY2017 2030, 3E, 22MAY2017</p>			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2031	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°15'28.07"	R10	
Longitude	W88°37'44.25"	R8	6136
Ellipsoidal Height	816.1'	Other, specify	
Type of Mark	CONC PAD	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:11 Stop Time : 12:14
		PDOP Max:	1.4
		Start Time :	12:14 Stop Time : 12:17
		PDOP Max:	1.3
		Weather Conditions	PARTLY CLOUDY 57°
LOCATION PHOTO  NORTH	 2031, 2, 21MAY2017		
 2031, 3W, 21MAY2017 2031, 3S, 21MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2032	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°31'06.30"	R10	
Longitude	W88°27'31.30"	R8	6136
Ellipsoidal Height	849.3'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:22 Stop Time : 10:25
		PDOP Max:	1.5
		Start Time :	10:25 Stop Time : 10:28
		PDOP Max:	1.6
		Weather Conditions	CLOUDY 62°
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 2032, 2, 23MAY2017		
 <div style="display: flex; justify-content: space-around;"> 2032, 3W, 23MAY2017 2032, 3S, 23MAY2017 </div>			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leesemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2033	File Name	DODGECO 142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°25'03.30"	R10	<input type="text" value=""/>
Longitude	W88°28'48.15"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	1000.7'	Other, specify	<input type="text" value=""/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:17 Stop Time : 13:20
		PDOP Max:	1.5
		Start Time :	13:20 Stop Time : 13:23
		PDOP Max:	1.5
		Weather Conditions	PARTLY CLOUDY 63°
LOCATION PHOTO			
 NORTH			
2033, 2, 22MAY2017			
			
2033, 3W, 22MAY2017		2033, 3N, 22MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2034</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°30'29.77"</u> Longitude <u>W88°56'44.18"</u> Ellipsoidal Height <u>784.4'</u>	Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>LT. ASPHALT</u>	Start Time :	<u>12:51</u> Stop Time : <u>12:54</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.8</u>
		Start Time :	<u>12:54</u> Stop Time : <u>12:57</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH	 2034, 2, 19MAY2017		
 2034, 3W, 19MAY2017 2034, 3N, 19MAY2017			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2035</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°25'21.82"</u> Longitude <u>W88°56'40.40"</u> Ellipsoidal Height <u>766.7'</u>	Receiver : R10 R8 <input type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>GRAVEL</u>	Start Time :	<u>14:21</u> Stop Time : <u>14:24</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>4.1</u>
		Start Time :	<u>14:24</u> Stop Time : <u>14:27</u>
		PDOP Max:	<u>4.0</u>
		Weather Conditions	<u>LIGHT RAIN 50°</u>
LOCATION PHOTO  NORTH	 2035, 3S, 19MAY2017		
 2035, 3E, 19MAY2017		 2035, 2, 19MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	2036	File Name	DODGECO 140 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°19'53.13"	R10	<input type="text"/>
Longitude	W88°56'46.70"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	705.4'	Other, specify	<input type="text"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:15 Stop Time : 10:18
		PDOP Max:	1.8
		Start Time :	10:19 Stop Time : 10:22
		PDOP Max:	1.5
		Weather Conditions	LIGHT RAIN 51°
LOCATION PHOTO  NORTH	 2036, 2, 20MAY2017		
 2036, 3S, 20MAY2017 2036, 3E, 20MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	2037	File Name	2037_61361404.T01
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°16'10.28"	R10	
Longitude	W88°55'42.45"	R8	6136
Ellipsoidal Height	697.7'	Other, specify	
Type of Mark	GRAVEL	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:31 Stop Time : 17:53
		PDOP Max:	1.5
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	LIGHT RAIN 50°
LOCATION PHOTO  NORTH	 2037, 2, 20MAY2017		
 2037, 3SW, 20MAY2017 2037, 3NW, 20MAY2017			



		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2038</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°34'54.80"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°46'51.11"</u>	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	<u>850.1'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>LT. ASPHALT</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:36</u> Stop Time : <u>13:39</u>
		PDOP Max:	<u>1.5</u> Stop Time : <u>13:42</u>
		Start Time :	<u>13:39</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 66°</u>
LOCATION PHOTO			
 NORTH	 2038, 2, 18MAY2017		
 2038, 3N, 18MAY2017			
 2038, 3E, 18MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	2039	File Name	DODGECO 140 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°25'13.02"</u> Longitude <u>W88°47'01.91"</u> Ellipsoidal Height <u>776.2'</u>	Receiver : R10 R8 <input type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>GRAVEL</u>	Start Time :	<u>8:52</u> Stop Time : <u>8:55</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.4</u>
		Start Time :	<u>8:55</u> Stop Time : <u>8:58</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 48°</u>
LOCATION PHOTO  NORTH	 2039, 2, 20MAY2017		
 2039, 3SE, 20MAY2017 2039, 3NE, 20MAY2017			

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2040	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°20'35.46"	R10	
Longitude	W88°46'59.11"	R8	6136
Ellipsoidal Height	685.1'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:46 Stop Time : 9:49
		PDOP Max:	1.2
		Start Time :	9:49 Stop Time : 9:52
		PDOP Max:	1.3
		Weather Conditions	PARTLY CLOUDY 59°
LOCATION PHOTO  NORTH	 2040, 2, 21MAY2017		
 2040, 3W, 21MAY2017		 2040, 3S, 21MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2041	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°15'47.29"	R10	
Longitude	W88°46'18.59"	R8	6136
Ellipsoidal Height	748.4'	Other, specify	
Type of Mark	GRAVEL	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:21 Stop Time : 11:23
		PDOP Max:	2.5
		Start Time :	11:24 Stop Time : 11:27
		PDOP Max:	2.0
		Weather Conditions	CLOUDY 57°
LOCATION PHOTO  NORTH	 2041, 2, 21MAY2017		
 			
2041, 3W, 21MAY2017		2041, 3S, 21MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2042	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°35'21.79"	R10	
Longitude	W88°37'15.91"	R8	6136
Ellipsoidal Height	795.6'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:20 Stop Time : 14:23
		PDOP Max:	2.2
		Start Time :	14:23 Stop Time : 14:26
		PDOP Max:	2.4
		Weather Conditions	CLOUDY 63°
LOCATION PHOTO  NORTH	 2042, 2, 23MAY2017		
 2042, 3W, 23MAY2017 2042, 3S, 23MAY2017			

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2043	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates			
Latitude	N43°31'24.78"	Receiver :	
Longitude	W88°35'21.19"	R10	
Ellipsoidal Height	753.1'	R8	6136
		Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:11 Stop Time : 9:14
		PDOP Max:	1.4
		Start Time :	9:14 Stop Time : 9:17
		PDOP Max:	1.4
		Weather Conditions	CLOUDY 59°
LOCATION PHOTO  NORTH			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2044	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°20'39.41"	R10	<input type="text"/>
Longitude	W88°38'29.17"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	784.1'	Other, specify	<input type="text"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:01 Stop Time : 9:04
		PDOP Max:	1.3
		Start Time :	9:04 Stop Time : 9:07
		PDOP Max:	1.3
		Weather Conditions	SUNNY 55°
LOCATION PHOTO  NORTH	 2044, 2, 22MAY2017		
 2044, 3S, 22MAY2017		 2044, 3E, 22MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2045	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
*Ran 3 RTK observations due to poor residuals			
Global Coordinates		Receiver :	
Latitude	N43°35'27.77"	R10	<input type="text"/>
Longitude	W88°27'04.63"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	904.5'	Other, specify	<input type="text"/>
Type of Mark	MULCH (PLAYGROUND)	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:45 Stop Time : 11:48
		PDOP Max:	1.6
		Start Time :	11:51 Stop Time : 11:54
		PDOP Max:	1.5
		Weather Conditions	CLOUDY 64°
LOCATION PHOTO  NORTH	 2045, 2, 23MAY2017		
 2045, 3W, 23MAY2017			
 2045, 3N, 23MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2046	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°20'25.11"	R10	
Longitude	W88°29'18.34"	R8	6136
Ellipsoidal Height	953.9'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:30 Stop Time : 11:33
		PDOP Max:	2.7
		Start Time :	11:33 Stop Time : 11:36
		PDOP Max:	2.1
		Weather Conditions	SUNNY 63°
LOCATION PHOTO  NORTH	 2046, 2, 22MAY2017		
			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2047	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°15'11.57"	R10	
Longitude	W88°29'18.35"	R8	6136
Ellipsoidal Height	813.3'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:51 Stop Time : 14:54
		PDOP Max:	1.9
		Start Time :	15:01 Stop Time : 15:04
		PDOP Max:	1.8
		Weather Conditions	CLOUDY 56°
LOCATION PHOTO  NORTH	 2047, 2, 21MAY2017		
 2047, 3W, 21MAY2017			
 2047, 3S, 21MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	2048	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates			
Latitude	N43°29'43.73"	Receiver :	<input type="text"/>
Longitude	W88°41'38.79"	R10	<input type="text"/>
Ellipsoidal Height	762.6'	R8	<input type="text" value="6136"/>
Type of Mark	GRAVEL	Other, specify	<input type="text"/>
Mark Stamping	N/A	Antenna Height:	6.562 USFT 2.000 METERS
		Start Time :	11:38 Stop Time : 11:41
		PDOP Max:	1.9
		Start Time :	11:44 Stop Time : 11:47
		PDOP Max:	1.9
		Weather Conditions	CLOUDY 65°
LOCATION PHOTO			
 NORTH			
2048, 2, 18MAY2017			
			
2048, 3W, 18MAY2017		2048, 3N, 18MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	2049	File Name	DODGECO 140_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°23'10.36"	R10	<input type="text"/>
Longitude	W88°49'23.58"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	713.4'	Other, specify	<input type="text"/>
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:24 Stop Time : 9:27
		PDOP Max:	1.2
		Start Time :	9:27 Stop Time : 9:30
		PDOP Max:	1.4
		Weather Conditions	CLOUDY 50°
LOCATION PHOTO	 <p style="text-align: center;">2049, 2, 20MAY2017</p>		
 NORTH			
 <p style="text-align: center;">2049, 3W, 20MAY2017</p>		 <p style="text-align: center;">2049, 3N, 20MAY2017</p>	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>2050</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°29'22.67"</u>	R10	<input type="text"/>
Longitude	<u>W88°52'44.45"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>758.6'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>12:21</u> Stop Time : <u>12:24</u>
		PDOP Max:	<u>1.4</u>
		Start Time :	<u>12:24</u> Stop Time : <u>12:27</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH	 2050, 2, 19MAY2017		
 2050, 3N, 19MAY2017			
 2050, 3E, 19MAY2017			



 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2051	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°28'43.24"	R10	
Longitude	W88°29'58.99"	R8	6136
Ellipsoidal Height	824.5'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	16:05 Stop Time : 16:08
		PDOP Max:	1.7
		Start Time :	16:08 Stop Time : 16:11
		PDOP Max:	1.7
		Weather Conditions	PARTLY CLOUDY 64°
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 2051, 2, 22MAY2017		
 2051, 3W, 22MAY2017 2051, 3N, 22MAY2017			



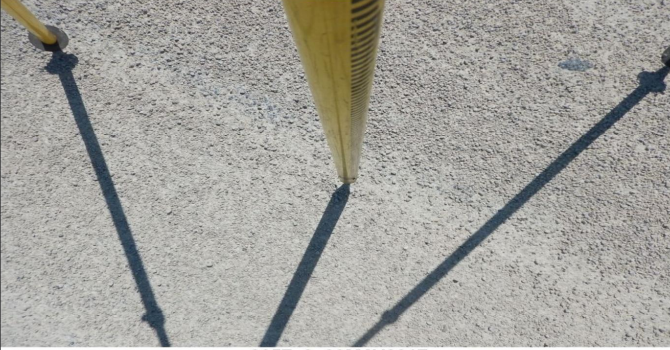

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	2052	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°26'39.14"	R10	
Longitude	W88°45'26.60"	R8	4428
Ellipsoidal Height	783.9'	Other, specify	
Type of Mark	GRAVEL	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:08 Stop Time : 10:11
		PDOP Max:	1.6
		Start Time :	10:11 Stop Time : 10:14
		PDOP Max:	1.6
		Weather Conditions	CLOUDY 65°
LOCATION PHOTO  NORTH	 2052, 2, 18MAY2017		
 2052, 3N, 18MAY2017 2052, 3E, 18MAY2017			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2053	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°16'10.20"	R10	
Longitude	W88°42'27.40"	R8	6136
Ellipsoidal Height	774.0'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:51 Stop Time : 11:54
		PDOP Max:	1.8
		Start Time :	11:54 Stop Time : 11:57
		PDOP Max:	1.8
		Weather Conditions	CLOUDY 57°
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 2053, 2, 21MAY2017		
 <div style="display: flex; justify-content: space-around;"> 2053, 3N, 21MAY2017 2053, 3E, 21MAY2017 </div>			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>22-May-17</u>
Station Name	<u>2054</u>	File Name	<u>DODGECO_142_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°27'27.22"</u>	R10	
Longitude	<u>W88°37'33.11"</u>	R8	6136
Ellipsoidal Height	<u>754.5'</u>	Other, specify	
Type of Mark	<u>DIRT (BASEBALL DIAMOND)</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>14:50</u> Stop Time : <u>14:53</u>
		PDOP Max:	<u>1.7</u>
		Start Time :	<u>14:54</u> Stop Time : <u>14:57</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>PARTLY CLOUDY 60°</u>
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 2054, 2, 22MAY2017		
 2054, 3N, 22MAY2017 2054, 3E, 22MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>2055</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°37'11.03"</u>	R10	<input type="text"/>
Longitude	<u>W88°54'35.41"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>837.5'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>GRAVEL</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>15:59</u> Stop Time : <u>16:02</u>
		PDOP Max:	<u>1.8</u> Stop Time : <u>16:05</u>
		Start Time :	<u>16:02</u>
		PDOP Max:	<u>1.6</u>
		Weather Conditions	<u>CLOUDY 60°</u>
LOCATION PHOTO	 NORTH		
 2055, 2, 18MAY2017			
 2055, 3W, 18MAY2017			
 2055, 3S, 18MAY2017			

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	2056	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°12'40.82"	R10	
Longitude	W88°37'55.55"	R8	6136
Ellipsoidal Height	821.4'	Other, specify	
Type of Mark	GRAVEL	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:38
		PDOP Max:	1.5
		Start Time :	12:42
		PDOP Max:	1.9
		Weather Conditions	CLOUDY 57°
LOCATION PHOTO  NORTH	No photos were taken.		
No photos were taken.			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2057	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°22'15.33"	R10	
Longitude	W88°32'28.14"	R8	6136
Ellipsoidal Height	779.5'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:16 Stop Time : 11:19
		PDOP Max:	1.9
		Start Time :	11:19 Stop Time : 11:22
		PDOP Max:	1.7
		Weather Conditions	SUNNY 60°
LOCATION PHOTO  NORTH	 2057, 2, 22MAY2017		
 2057, 3NW, 22MAY2017 2057, 3NE, 22MAY2017			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	2058	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°35'15.93"	R10	
Longitude	W88°32'28.82"	R8	6136
Ellipsoidal Height	912.0'	Other, specify	
Type of Mark	LT. ASPHALT	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:25 Stop Time : 13:28
		PDOP Max:	1.4
		Start Time :	13:30 Stop Time : 13:33
		PDOP Max:	1.3
		Weather Conditions	RAIN 60°
LOCATION PHOTO  NORTH	 2058, 2, 23MAY2017		
 2058, 3N, 21MAY2017		 2058, 3E, 23MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	3001	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates			
Latitude	N43°37'58.13"	Receiver :	
Longitude	W88°00'20.97"	R10	<input type="checkbox"/>
Ellipsoidal Height	900.4'	R8	<input type="checkbox"/>
Type of Mark	FOREST	Other, specify	<input checked="" type="checkbox"/> Total Station
Mark Stamping	N/A	Antenna Height:	6.562 USFT 2.000 METERS
		Start Time :	16:40 Stop Time : 16:46
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	CLOUDY 58°
LOCATION PHOTO			
 NORTH	 3001, 2, 18MAY2017		
 			
3001, 3W, 18MAY2017		3001, 3S, 18MAY2017	


 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3002	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°18'16.84"	R10	
Longitude	W88°32'00.50"	R8	6136
Ellipsoidal Height	774.0'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	16:51 Stop Time : 16:54
		PDOP Max:	1.3
		Start Time :	16:54 Stop Time : 16:57
		PDOP Max:	1.3
		Weather Conditions	CLOUDY 54°
LOCATION PHOTO  NORTH	 3002, 2, 21MAY2017		
 3002, 3W, 21MAY2017			
 3002, 3S, 21MAY2017			



 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3003	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°25'55.22"	R10	<input type="checkbox"/>
Longitude	W88°32'33.84"	R8	<input type="checkbox"/>
Ellipsoidal Height	863.7'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:07 Stop Time : 14:13
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	PARTLY CLOUDY 63°
LOCATION PHOTO  NORTH	 3003, 2, 22MAY2017		
 3003, 3W, 22MAY2017 3003, 3N, 22MAY2017			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3004	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°35'16.23"	R10	
Longitude	W88°32'40.78"	R8	6136
Ellipsoidal Height	913.1'	Other, specify	
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:38 Stop Time : 13:41
		PDOP Max:	1.4
		Start Time :	13:41 Stop Time : 13:44
		PDOP Max:	1.7
		Weather Conditions	PARTLY CLOUDY 60°
LOCATION PHOTO  NORTH	 3004, 2, 23MAY2017		
 <div style="display: flex; justify-content: space-between;"> 3004, 3N, 23MAY2017 3004, 3E, 23MAY2017 </div>			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3005	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°17'47.64"	R10	
Longitude	W88°51'07.87"	R8	6136
Ellipsoidal Height	740.3'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:43 Stop Time : 10:46
		PDOP Max:	1.8
		Start Time :	10:46 Stop Time : 10:49
		PDOP Max:	1.8
		Weather Conditions	PARTLY CLOUDY 58°
LOCATION PHOTO			
 NORTH			
3005, 2, 21MAY2017			
			
3005, 3SW, 21MAY2017		3005, 3SE, 21MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3006	File Name	DODGECO_140_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
FastStatic observations were ran for TSM positions 109_61361400.T02 110_61361401.T02			
Global Coordinates Latitude <u>N43°11'51.48"</u> Longitude <u>W89°00'30.70"</u> Ellipsoidal Height <u>717.0'</u>		Receiver : R10 <input type="checkbox"/> R8 <input type="checkbox"/> Other, specify <input checked="" type="checkbox"/> Total Station	
Type of Mark	<u>FOREST</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>16:28</u> Stop Time : <u>16:24</u>
		PDOP Max:	<u>N/A</u>
		Start Time :	<u>N/A</u> Stop Time : <u>N/A</u>
		PDOP Max:	<u>N/A</u>
		Weather Conditions	<u>RAIN 49°</u>
LOCATION PHOTO  NORTH	 3006, 2, 20MAY2017		
 3006, 3W, 20MAY2017		 3006, 3S, 20MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3007	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°11'41.24"	R10	<input type="checkbox"/>
Longitude	W88°25'29.71"	R8	<input type="checkbox"/>
Ellipsoidal Height	869.4'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:09 Stop Time : 14:15
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	CLOUDY 56°
LOCATION PHOTO  NORTH	 3007, 2, 21MAY2017		
 3007, 3N, 21MAY2017			
 3007, 3E, 21MAY2017			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>3008</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°32'45.79"</u> Longitude <u>W88°52'32.04"</u> Ellipsoidal Height <u>826.4'</u>	Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>TALL WEEDS</u>	Start Time :	<u>9:40</u> Stop Time : <u>9:43</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.4</u> Stop Time : <u>9:47</u>
		Start Time :	<u>9:44</u> Stop Time : <u>9:47</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 46°</u>
LOCATION PHOTO  NORTH	 3008, 2, 19MAY2017		
 3008, 3W, 19MAY2017 3008, 3N, 19MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>3009</u>	File Name	<u>DODGECO_138_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°37'53.27"</u>	R10	<input type="text"/>
Longitude	<u>W88°42'57.52"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>772.5'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>TALL GRASS</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:56</u> Stop Time : <u>13:59</u>
		PDOP Max:	<u>1.4</u> Stop Time : <u>14:03</u>
		Start Time :	<u>14:00</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 64°</u>
LOCATION PHOTO <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 20px;">  NORTH </div> <div style="flex-grow: 1;">  <p style="text-align: center; font-weight: bold;">3009, 2, 18MAY2017</p> </div> </div>			
<div style="display: flex;"> <div style="flex: 1;">  <p style="text-align: center; font-weight: bold;">3009, 3S, 18MAY2017</p> </div> <div style="flex: 1;">  <p style="text-align: center; font-weight: bold;">3009, 3E, 18MAY2017</p> </div> </div>			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	3010	File Name	DODGECO_138_ZRL_job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°32'44.98"	R10	<input type="text"/>
Longitude	W89°00'03.31"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	834.0'	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:36 Stop Time : 17:39
		PDOP Max:	1.3 Stop Time : 17:44
		Start Time :	17:41
		PDOP Max:	1.3
		Weather Conditions	PARTLY CLOUDY 60°
LOCATION PHOTO  NORTH	 3010, 2, 18MAY2017		
 3010, 3N, 18MAY2017 3010, 3E, 18MAY2017			





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	3011	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°26'57.33"	R10	<input type="checkbox"/>
Longitude	W88°46'59.77"	R8	<input type="checkbox"/>
Ellipsoidal Height	736.0'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:38 Stop Time : 9:44
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	PARTLY CLOUDY 65°
LOCATION PHOTO  NORTH	 3011, 2, 18MAY2017		
 3011, 3N, 18MAY2017 3011, 3E, 18MAY2017			




 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3012	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°12'40.28"	R10	
Longitude	W88°37'56.59"	R8	6136
Ellipsoidal Height	821.2'	Other, specify	
Type of Mark	TALL GRASS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:49 Stop Time : 12:52
		PDOP Max:	2.0
		Start Time :	12:53 Stop Time : 12:56
		PDOP Max:	2.0
		Weather Conditions	CLOUDY 57°
LOCATION PHOTO  NORTH	 3012, 2, 21MAY2017		
 3012, 3W, 21MAY2017 3012, 3N, 21MAY2017			



 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3013	File Name	DODGECO_140_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°11'52.52"	R10	<input type="checkbox"/>
Longitude	W88°51'51.74"	R8	<input type="checkbox"/>
Ellipsoidal Height	679.6'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:50 Stop Time : 14:56
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	RAIN 47°
LOCATION PHOTO  NORTH	 3013, 2, 20MAY2017		
 			
3013, 3N, 20MAY2017		3013, 3E, 20MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3014	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°32'36.07"	R10	<input type="checkbox"/>
Longitude	W88°24'00.79"	R8	<input type="checkbox"/>
Ellipsoidal Height	856.0'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:12 Stop Time : 11:18
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	CLOUDY 64°
LOCATION PHOTO  NORTH	 3014, 2, 23MAY2017		
 3014, 3N, 23MAY2017 3014, 3E, 23MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	19-May-17
Station Name	3015	File Name	DODGECO 139_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°25'18.06"</u> Longitude <u>W88°56'39.75"</u> Ellipsoidal Height <u>809.6'</u>	Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>DIRT (CULT FIELD)</u>	Start Time :	<u>14:34</u> Stop Time : <u>14:37</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>2.4</u>
		Start Time :	<u>14:37</u> Stop Time : <u>14:40</u>
		PDOP Max:	<u>3.8</u>
		Weather Conditions	<u>LIGHT RAIN 50°</u>
LOCATION PHOTO  NORTH	 3015, 2, 19MAY2017		
 3015, 3S, 19MAY2017		 3015, 3E, 19MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>3016</u>	Operator Name <u>Zach Leeseemann</u> Date of Survey <u>18-May-17</u> File Name <u>DODGECO_138_ZRL.job</u>		
Methodology RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>		
*Ran 3 RTK observations due to poor residuals	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>		
Global Coordinates			
Latitude <u>N43°32'44.65"</u> Longitude <u>W88°42'53.48"</u> Ellipsoidal Height <u>783.2'</u>	Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 6136 Other, specify <input type="checkbox"/>		
Type of Mark <u>TALL WEEDS</u> Mark Stamping <u>N/A</u>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS Start Time : <u>11:59</u> Stop Time : <u>12:02</u> PDOP Max: <u>1.6</u> Start Time : <u>12:06</u> Stop Time : <u>12:09</u> PDOP Max: <u>1.9</u>		
Weather Conditions <u>LIGHT RAIN 65°</u>			
LOCATION PHOTO  NORTH	 3016, 2, 18MAY2017		
			
3016, 3S, 18MAY2017		3016, 3E, 18MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3017	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°37'51.48"	R10	<input type="text"/>
Longitude	W88°25'15.40"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	910.7"	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:15 Stop Time : 12:18
		PDOP Max:	1.5
		Start Time :	12:19 Stop Time : 12:22
		PDOP Max:	1.5
		Weather Conditions	CLOUDY 64°
LOCATION PHOTO			
 NORTH			
			
3017, 3N, 23MAY2017		3017, 3E, 23MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3018	File Name	DODGECO 140 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°19'30.59"</u> Longitude <u>W88°56'54.57"</u> Ellipsoidal Height <u>725.5'</u>	Receiver : R10 R8 <input type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>TALL WEEDS</u>	Start Time :	<u>10:28</u> Stop Time : <u>10:31</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.5</u>
		Start Time :	<u>10:31</u> Stop Time : <u>10:34</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>LIGHT RAIN 51°</u>
LOCATION PHOTO  NORTH	 3018, 2, 20MAY2017		
			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3019	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°20'58.53"	R10	<input type="checkbox"/>
Longitude	W88°38'27.89"	R8	<input type="checkbox"/>
Ellipsoidal Height	777.9'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:23 Stop Time : 10:29
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	SUNNY 55°
LOCATION PHOTO  NORTH	 3019, 2, 22MAY2017		
 3019, 3W, 22MAY2017 3019, 3S, 22MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3020	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°27'28.30"	R10	
Longitude	W88°36'48.32"	R8	6136
Ellipsoidal Height	763.1'	Other, specify	
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	15:10 Stop Time : 15:13
		PDOP Max:	1.7
		Start Time :	15:13 Stop Time : 15:16
		PDOP Max:	1.7
		Weather Conditions	PARTLY CLOUDY 60°
LOCATION PHOTO  NORTH	 3020, 2, 22MAY2017		
			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3021	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°18'18.14"	R10	
Longitude	W88°43'13.77"	R8	6136
Ellipsoidal Height	776.6'	Other, specify	
Type of Mark	TALL GRASS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:50 Stop Time : 17:53
		PDOP Max:	1.4
		Start Time :	17:53 Stop Time : 17:56
		PDOP Max:	1.4
		Weather Conditions	CLOUDY 51°
LOCATION PHOTO  NORTH	 3021, 2, 21MAY2017		
 3021, 3W, 21MAY2017			
 3021, 3N, 21MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3022	File Name	DODGECO 140 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°23'09.91"</u> Longitude <u>W88°49'03.42"</u> Ellipsoidal Height <u>691.1'</u>	Receiver : R10 R8 6136 Other, specify	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>BRUSH</u>	Start Time :	<u>9:39</u> Stop Time : <u>9:42</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.4</u> Stop Time : <u>9:45</u>
		Start Time :	<u>9:42</u> Stop Time : <u>9:45</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 50°</u>
LOCATION PHOTO  NORTH	 3022, 2, 20MAY2017		
 			
3022, 3W, 20MAY2017		3022, 3N, 20MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3023	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°31'46.03"	R10	
Longitude	W88°31'28.79"	R8	6136
Ellipsoidal Height	875.2'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:51 Stop Time : 9:54
		PDOP Max:	1.5
		Start Time :	9:54 Stop Time : 9:57
		PDOP Max:	1.5
		Weather Conditions	PARTLY CLOUDY 60°
LOCATION PHOTO  NORTH	 3023, 2, 23MAY2017		
 3023, 3S, 23MAY2017 3023, 3E, 23MAY2017			


 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	19-May-17
Station Name	3024	File Name	DODGECO 139 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°22'07.25"</u> Longitude <u>W89°00'15.99"</u> Ellipsoidal Height <u>721.1'</u>	Receiver : R10 R8 <input type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>BRUSH</u>	Start Time :	<u>15:37</u> Stop Time : <u>15:40</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.8</u>
		Start Time :	<u>15:42</u> Stop Time : <u>15:45</u>
		PDOP Max:	<u>1.8</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH	 3024, 2, 19MAY2017		
 3024, 3NW, 19MAY2017 3024, 3NE, 19MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3025	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°22'30.47"	R10	<input type="text"/>
Longitude	W88°24'06.43"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	938.3'	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	12:15 Stop Time : 12:18
		PDOP Max:	1.5
		Start Time :	12:20 Stop Time : 12:23
		PDOP Max:	1.5
		Weather Conditions	SUNNY 63°
LOCATION PHOTO	 <p style="text-align: center;">3025, 2, 22MAY2017</p>		
 NORTH			
 <p style="display: flex; justify-content: space-between;">3025, 3W, 22MAY20173025, 3N, 22MAY2017</p>			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3026	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
*Ran 3 RTK observations due to poor residuals			
Global Coordinates		Receiver :	
Latitude	N43°25'02.79"	R10	<input type="text"/>
Longitude	W88°41'46.69"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	806.4'	Other, specify	<input type="text"/>
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:19 Stop Time : 9:22
		PDOP Max:	1.9
		Start Time :	9:27 Stop Time : 9:30
		PDOP Max:	1.9
		Weather Conditions	PARTLY CLOUDY 57°
LOCATION PHOTO			
 NORTH			
3026, 2, 21MAY2017			
			
3026, 3W, 21MAY2017		3026, 3N, 21MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET																																																													
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Project Name</td> <td style="width: 30%;">Dodge County Ortho/LiDAR</td> <td style="width: 30%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>Project Number</td> <td>77415/77512</td> <td>Operator Name</td> <td>Zach Leeseemann</td> </tr> <tr> <td>Station Name</td> <td>3027</td> <td>Date of Survey</td> <td>18-May-17</td> </tr> <tr> <td>Methodology</td> <td> RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/> </td> <td> Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> </td> <td> Control Station <input type="checkbox"/> LID <input type="checkbox"/> Hor. Order <input type="checkbox"/> Ver. Order <input type="checkbox"/> Designation <input type="checkbox"/> </td> </tr> <tr> <td colspan="2"></td> <td>Agency</td> <td>Woolpert</td> </tr> </table>	Project Name	Dodge County Ortho/LiDAR			Project Number	77415/77512	Operator Name	Zach Leeseemann	Station Name	3027	Date of Survey	18-May-17	Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station <input type="checkbox"/> LID <input type="checkbox"/> Hor. Order <input type="checkbox"/> Ver. Order <input type="checkbox"/> Designation <input type="checkbox"/>			Agency	Woolpert	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Global Coordinates</td> <td style="width: 30%;"></td> <td style="width: 30%;">Receiver :</td> <td style="width: 10%;"></td> </tr> <tr> <td>Latitude</td> <td>N43°37'59.04"</td> <td>R10</td> <td></td> </tr> <tr> <td>Longitude</td> <td>W88°51'38.32"</td> <td>R8</td> <td style="border: 1px solid black; text-align: center;">6136</td> </tr> <tr> <td>Ellipsoidal Height</td> <td>812.4'</td> <td>Other, specify</td> <td></td> </tr> <tr> <td>Type of Mark</td> <td>TALL WEEDS</td> <td>Antenna Height:</td> <td>6.562 USFT 2.000 METERS</td> </tr> <tr> <td>Mark Stamping</td> <td>N/A</td> <td>Start Time :</td> <td>15:27 Stop Time : 15:30</td> </tr> <tr> <td></td> <td></td> <td>PDOP Max:</td> <td>2.0</td> </tr> <tr> <td></td> <td></td> <td>Start Time :</td> <td>15:34 Stop Time : 15:37</td> </tr> <tr> <td></td> <td></td> <td>PDOP Max:</td> <td>2.0</td> </tr> <tr> <td></td> <td></td> <td>Weather Conditions</td> <td>CLOUDY 60°</td> </tr> </table> <p>*Ran 3 RTK observations due to poor residuals</p>	Global Coordinates		Receiver :		Latitude	N43°37'59.04"	R10		Longitude	W88°51'38.32"	R8	6136	Ellipsoidal Height	812.4'	Other, specify		Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS	Mark Stamping	N/A	Start Time :	15:27 Stop Time : 15:30			PDOP Max:	2.0			Start Time :	15:34 Stop Time : 15:37			PDOP Max:	2.0			Weather Conditions	CLOUDY 60°
Project Name	Dodge County Ortho/LiDAR																																																												
Project Number	77415/77512	Operator Name	Zach Leeseemann																																																										
Station Name	3027	Date of Survey	18-May-17																																																										
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/>	Control Station <input type="checkbox"/> LID <input type="checkbox"/> Hor. Order <input type="checkbox"/> Ver. Order <input type="checkbox"/> Designation <input type="checkbox"/>																																																										
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		PDOP Max:	2.0																																																										
		Weather Conditions	CLOUDY 60°																																																										
LOCATION PHOTO <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 20px;"> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> NORTH </div>  </div> <p style="text-align: center; margin-top: 5px;">3027, 2, 18MAY2017</p>																																																													
 <p style="text-align: center; margin-top: 5px;">3027, 3E, 18MAY2017</p>		 <p style="text-align: center; margin-top: 5px;">3027, 3S, 18MAY2017</p>																																																											






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>3028</u>	File Name	<u>DODGECO 140 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
*Ran 3 RTK observations due to poor residuals			
Global Coordinates		Receiver :	
Latitude	<u>N43°12'06.15"</u>	R10	<input type="text"/>
Longitude	<u>W88°44'06.63"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>720.2'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>BRUSH</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:42</u> Stop Time : <u>13:45</u>
		PDOP Max:	<u>2.2</u>
		Start Time :	<u>13:45</u> Stop Time : <u>13:48</u>
		PDOP Max:	<u>2.1</u>
		Weather Conditions	<u>RAIN 47°</u>
LOCATION PHOTO  NORTH	 3028, 2, 20MAY2017		
 3028, 3W, 20MAY2017 3028, 3N, 20MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3029	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°27'23.96"	R10	
Longitude	W88°24'04.87"	R8	6136
Ellipsoidal Height	915.3'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:46 Stop Time : 17:49
		PDOP Max:	1.5
		Start Time :	17:49 Stop Time : 17:52
		PDOP Max:	1.5
		Weather Conditions	PARTLY CLOUDY 62°
LOCATION PHOTO			
 NORTH			
3029, 2, 22MAY2017			
			
3029, 3W, 22MAY2017		3029, 3S, 22MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3030	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°35'20.91"	R10	
Longitude	W88°36'42.70"	R8	6136
Ellipsoidal Height	754.3'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	14:07 Stop Time : 14:10
		PDOP Max:	1.7
		Start Time :	14:11 Stop Time : 14:14
		PDOP Max:	1.7
		Weather Conditions	CLOUDY 63°
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 3030, 2, 23MAY2017		
 3030, 3W, 23MAY2017			
 3030, 3S, 23MAY2017			






		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3031	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°20'34.91"	R10	<input type="text"/>
Longitude	W88°47'00.49"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	682.1'	Other, specify	<input type="text"/>
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:56 Stop Time : 9:59
		PDOP Max:	1.7
		Start Time :	9:59 Stop Time : 10:02
		PDOP Max:	1.7
		Weather Conditions	PARTLY CLOUDY 59°
LOCATION PHOTO			
 NORTH			
3031, 2, 21MAY2017			
			
3031, 3W, 21MAY2017		3031, 3S, 21MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	3032	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/> *Ran 3 RTK observations due to poor residuals	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°34'54.70"	R10	<input type="checkbox"/>
Longitude	W88°46'50.62"	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	849.2'	Other, specify	<input type="checkbox"/>
Type of Mark	PID	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:20 Stop Time : 13:23
		PDOP Max:	1.6
		Start Time :	13:30 Stop Time : 13:33
		PDOP Max:	1.5
		Weather Conditions	CLOUDY 66°
LOCATION PHOTO <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 20px;"> <input type="checkbox"/> NORTH </div> <div style="flex-grow: 1;">  <p style="text-align: center; font-size: small;">3032, 2, 18MAY2017</p> </div> </div>			
<div style="display: flex;"> <div style="flex: 1;">  <p style="text-align: center; font-size: small;">3032, 3N, 18MAY2017</p> </div> <div style="flex: 1;">  <p style="text-align: center; font-size: small;">3032, 3E, 18MAY2017</p> </div> </div>			






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>3033</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°30'09.49"</u>	R10	
Longitude	<u>W88°52'49.14"</u>	R8	<u>6136</u>
Ellipsoidal Height	<u>762.6'</u>	Other, specify	
Type of Mark	<u>DIRT (CULT FIELD)</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>12:34</u> Stop Time : <u>12:37</u>
		PDOP Max:	<u>1.5</u>
		Start Time :	<u>12:38</u> Stop Time : <u>12:41</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH			
			
3033, 3NW, 19MAY2017		3033, 3NE, 19MAY2017	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3034	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°15'12.77"	R10	<input type="text"/>
Longitude	W88°29'29.86"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	789.0'	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	15:23 Stop Time : 15:26
		PDOP Max:	1.8
		Start Time :	15:26 Stop Time : 15:29
		PDOP Max:	1.8
		Weather Conditions	CLOUDY 55°
LOCATION PHOTO  NORTH	 3034, 2, 21MAY2017		
 3034, 3W, 21MAY2017 3034, 3N, 21MAY2017			

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	3035	File Name	DODGECO_138_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates			
Latitude	N43°29'44.05"	Receiver :	
Longitude	W88°41'39.33"	R10	
Ellipsoidal Height	761.0'	R8	6136
		Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:26 Stop Time : 11:29
		PDOP Max:	2.0
		Start Time :	11:30 Stop Time : 11:33
		PDOP Max:	2.0
		Weather Conditions	CLOUDY 65°
LOCATION PHOTO  NORTH	 3035, 2, 18MAY2017		
 3035, 3S, 18MAY2017 3035, 3E, 18MAY2017			





		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3036	File Name	3036_61361405.T01
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°16'00.63"	R10	
Longitude	W88°55'38.21"	R8	6136
Ellipsoidal Height	687.4'	Other, specify	
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:57 Stop Time : 18:18
		PDOP Max:	1.5
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	LIGHT RAIN 50°
LOCATION PHOTO			
 NORTH			
3036, 2, 20MAY2017			
			
3036, 3W, 20MAY2017		3036, 3S, 20MAY2017	

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leesemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3037	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°24'50.66"	R10	<input type="checkbox"/>
Longitude	W88°28'59.58"	R8	<input type="checkbox"/>
Ellipsoidal Height	996.4'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:04 Stop Time : 13:10
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	PARTLY CLOUDY 64°
LOCATION PHOTO  NORTH	 3037, 2, 22MAY2017		
 3037, 3W, 22MAY2017 3037, 3N, 22MAY2017			





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>3038</u>	File Name	<u>DODGECO 139_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°30'09.97"</u>	R10	<input type="text"/>
Longitude	<u>W88°48'17.97"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>844.3'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>TALL WEEDS</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>10:06</u> Stop Time : <u>10:09</u>
		PDOP Max:	<u>1.3</u>
		Start Time :	<u>10:11</u> Stop Time : <u>10:14</u>
		PDOP Max:	<u>1.4</u>
		Weather Conditions	<u>CLOUDY 46°</u>
LOCATION PHOTO			
 NORTH			
3038, 2, 19MAY2017			
			
3038, 3N, 19MAY2017		3038, 3E, 19MAY2017	

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	19-May-17
Station Name	3039	File Name	DODGECO_139_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°27'06.10"	R10	<input type="checkbox"/>
Longitude	W89°00'21.98"	R8	<input type="checkbox"/>
Ellipsoidal Height	824.2'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	13:40 Stop Time : 13:46
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	CLOUDY 50°
LOCATION PHOTO  NORTH	 3039, 2, 19MAY2017		
 3039, 3N, 19MAY2017			
 3039, 3E, 19MAY2017			


 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3040	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°15'46.82"	R10	
Longitude	W88°46'11.29"	R8	6136
Ellipsoidal Height	741.9'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	11:37 Stop Time : 11:39
		PDOP Max:	2.5
		Start Time :	11:40 Stop Time : 11:43
		PDOP Max:	3.1
		Weather Conditions	CLOUDY 57°
LOCATION PHOTO  NORTH	 3040, 2, 21MAY2017		
 3040, 3W, 21MAY2017		 3040, 3S, 21MAY2017	





 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	3041	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
*Ran 3 RTK observations due to poor residuals			
Global Coordinates		Receiver :	
Latitude	N43°22'15.20"	R10	<input type="text"/>
Longitude	W88°32'38.35"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	756.5'	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	10:50 Stop Time : 10:53
		PDOP Max:	1.7
		Start Time :	11:01 Stop Time : 11:04
		PDOP Max:	1.7
		Weather Conditions	SUNNY 60°
LOCATION PHOTO			
 NORTH			
3041, 2, 22MAY2017			
			
3041, 3N, 22MAY2017		3041, 3E, 22MAY2017	




 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>3042</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°25'11.26"</u> Longitude <u>W88°51'44.09"</u> Ellipsoidal Height <u>766.4'</u>	Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>DIRT (CULT FIELD)</u>	Start Time :	<u>11:21</u> Stop Time : <u>11:24</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>2.0</u>
		Start Time :	<u>11:26</u> Stop Time : <u>11:29</u>
		PDOP Max:	<u>2.0</u>
		Weather Conditions	<u>CLOUDY 49°</u>
LOCATION PHOTO  NORTH	 <p style="text-align: center;">3042, 2, 19MAY2017</p>		
 <p style="text-align: center;">3042, 3SW, 19MAY2017</p>		 <p style="text-align: center;">3042, 3NW, 19MAY2017</p>	






 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>23-May-17</u>
Station Name	<u>3043</u>	File Name	<u>DODGECO_143_ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°37'54.77"</u>	R10	
Longitude	<u>W88°32'30.98"</u>	R8	6136
Ellipsoidal Height	<u>1009.4'</u>	Other, specify	
Type of Mark	<u>DIRT (CULTIVATED FIELD)</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>N/A</u>	Start Time :	<u>13:11</u> Stop Time : <u>13:14</u>
		PDOP Max:	<u>1.5</u>
		Start Time :	<u>13:15</u> Stop Time : <u>13:18</u>
		PDOP Max:	<u>1.5</u>
		Weather Conditions	<u>CLOUDY 58°</u>
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	 3043, 2, 23MAY2017		
 <div style="display: flex; justify-content: space-around;"> 3043, 3W, 23MAY2017 3043, 3S, 23MAY2017 </div>			

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3044	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°17'47.59"	R10	
Longitude	W88°25'09.28"	R8	6136
Ellipsoidal Height	860.7'	Other, specify	
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	15:57 Stop Time : 16:00
		PDOP Max:	1.8
		Start Time :	16:00 Stop Time : 16:03
		PDOP Max:	1.8
		Weather Conditions	CLOUDY 54°
LOCATION PHOTO  NORTH	 3044, 2, 21MAY2017		
 			
3044, 3W, 21MAY2017		3044, 3S, 21MAY2017	

 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>19-May-17</u>
Station Name	<u>3045</u>	File Name	<u>DODGECO 139 ZRL.job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates	Latitude <u>N43°30'47.40"</u> Longitude <u>W88°57'39.90"</u> Ellipsoidal Height <u>757.6'</u>	Receiver : R10 R8 <input type="checkbox"/> 6136 Other, specify <input type="checkbox"/>	Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS
Type of Mark	<u>TALL WEEDS</u>	Start Time :	<u>13:03</u> Stop Time : <u>13:06</u>
Mark Stamping	<u>N/A</u>	PDOP Max:	<u>1.8</u>
		Start Time :	<u>13:06</u> Stop Time : <u>13:09</u>
		PDOP Max:	<u>1.7</u>
		Weather Conditions	<u>CLOUDY 51°</u>
LOCATION PHOTO  NORTH	 3045, 2, 19MAY2017		
 3045, 3NW, 19MAY2017			
 3045, 3NE, 19MAY2017			







 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	21-May-17
Station Name	3046	File Name	DODGECO_141_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Total Station <input checked="" type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°18'02.62"	R10	
Longitude	W88°38'48.03"	R8	
Ellipsoidal Height	809.3'	Other, specify	<input checked="" type="checkbox"/> Total Station
Type of Mark	FOREST	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	17:31 Stop Time : 17:37
		PDOP Max:	N/A
		Start Time :	N/A Stop Time : N/A
		PDOP Max:	N/A
		Weather Conditions	CLOUDY 52°
LOCATION PHOTO  NORTH	 3046, 2, 21MAY2017		
 3046, 3SW, 21MAY2017 3046, 3NW, 21MAY2017			







 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	23-May-17
Station Name	3047	File Name	DODGECO_143_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°31'53.27"	R10	<input type="text"/>
Longitude	W88°38'38.04"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	741.1'	Other, specify	<input type="text"/>
Type of Mark	TALL WEEDS	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	8:48 Stop Time : 8:51
		PDOP Max:	1.4
		Start Time :	8:54 Stop Time : 8:57
		PDOP Max:	1.3
		Weather Conditions	CLOUDY 59°
LOCATION PHOTO  NORTH	 3047, 2, 23MAY2017		
 3047, 3W, 23MAY2017 3047, 3N, 23MAY2017			







 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	3048	File Name	DODGECO 140 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input checked="" type="checkbox"/> Control Station <input type="checkbox"/>	Agency <u>Woolpert</u> LID <u>N/A</u> Hor. Order <u>N/A</u> Ver. Order <u>N/A</u> Designation <u>N/A</u>
Global Coordinates		Receiver :	
Latitude	N43°22'31.74"	R10	<input type="checkbox"/>
Longitude	W88°52'51.70"	R8	<input checked="" type="checkbox"/> 6136
Ellipsoidal Height	709.8'	Other, specify	<input type="checkbox"/>
Type of Mark	BRUSH	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	N/A	Start Time :	9:55 Stop Time : 9:58
		PDOP Max:	1.6
		Start Time :	9:58 Stop Time : 10:01
		PDOP Max:	1.6
		Weather Conditions	CLOUDY 50°
LOCATION PHOTO  NORTH	 3048, 2, 20MAY2017		
 			
3048, 3W, 20MAY2017		3048, 3N, 20MAY2017	







Geodetic Control Stations and Geodetic Control Station Checks



 GPS STATION RECOVERY - GPS LOG SHEET			
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	22-May-17
Station Name	2K75_RTK	File Name	DODGECO_142_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WIDT</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates		Receiver :	
Latitude	N43°25'37.78"	R10	
Longitude	W88°19'38.55"	R8	6136
Ellipsoidal Height	962.0'	Other, specify	
Type of Mark	CONC MON	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	2K75 1999	Start Time :	17:04 Stop Time : 17:07
		PDOP Max:	1.9
		Start Time :	17:08 Stop Time : 17:11
		PDOP Max:	1.8
		Weather Conditions	PARTLY CLOUDY 62°
LOCATION PHOTO			
 NORTH			
			
			
<small>2K75, AI6150, 3NE, 22MAY2017</small>		<small>2K75, AI6150, 3SE, 22MAY2017</small>	



		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	18-May-17
Station Name	BRANDON GPS RTK	File Name	DODGECO 138 ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-039</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates		Receiver :	
Latitude	N43°42'46.50"	R10	<input type="text"/>
Longitude	W88°46'29.95"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	853.5'	Other, specify	<input type="text"/>
Type of Mark	CONC MON	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	BRANDON GPS 1993	Start Time :	<u>14:51</u> Stop Time : <u>14:54</u>
		PDOP Max:	<u>2.7</u>
		Start Time :	<u>14:55</u> Stop Time : <u>14:58</u>
		PDOP Max:	<u>2.3</u>
		Weather Conditions	<u>CLOUDY 59°</u>
LOCATION PHOTO			
 NORTH			
			
			
BRANDON GPS, AI9582, 3W, 18MAY2017		BRANDON GPS, AI9582, 3S, 18MAY2017	



		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeseemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>18-May-17</u>
Station Name	<u>BURNETT W GPS</u>	File Name	<u>DODGECO 138_ZRL_job</u>
Methodology	RTK Base <input checked="" type="checkbox"/> RTK VRS <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°28'12.43"</u>	R10	<input type="checkbox"/>
Longitude	<u>W88°45'33.01"</u>	R8	<input checked="" type="checkbox"/>
Ellipsoidal Height	<u>821.0'</u>	Other, specify	<input type="checkbox"/>
Type of Mark	<u>CONC MON</u>	Antenna Height:	<u>7.382</u> USFT <u>2.250</u> METERS
Mark Stamping	<u>BURNETT W GPS 1992</u>	Start Time :	<u>8:28</u> Stop Time : <u>18:09</u>
		PDOP Max:	<u>1.3</u>
		Start Time :	<u>N/A</u> Stop Time : <u>N/A</u>
		PDOP Max:	<u>N/A</u>
		Weather Conditions	<u>CLOUDY 64°</u>
LOCATION PHOTO			
 NORTH			
 <small>BURNETT W GPS, OM1344, 1, 18MAY2017</small>			
 <small>BURNETT W GPS, OM1344, 3SW, 18MAY2017</small>		 <small>BURNETT W GPS, OM1344, 3SE, 18MAY2017</small>	







 GPS STATION RECOVERY - GPS LOG SHEET	
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>BURNETT W GPS</u>	Operator Name <u>Zach Leeseemann</u> Date of Survey <u>19-May-17</u> File Name <u>BURN 42351390.T02</u>
Methodology RTK Base <input checked="" type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/> Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates Latitude <u>N43°28'12.41"</u> Longitude <u>W88°45'33.02"</u> Ellipsoidal Height <u>834.1'</u>	
Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 4235 Other, specify <input type="checkbox"/>	
Type of Mark <u>CONC MON</u> Mark Stamping <u>BURNETT W GPS 1992</u>	
Antenna Height: <u>7.382</u> USFT <u>2.250</u> METERS Start Time : <u>7:53</u> Stop Time : <u>16:35</u> PDOP Max: <u>1.5</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u> Weather Conditions <u>CLOUDY 42°</u>	
LOCATION PHOTO <div style="text-align: center;">  NORTH </div>	<p>See Previous For Photos</p>







 GPS STATION RECOVERY - GPS LOG SHEET	
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>BURNETT W GPS</u>	Operator Name <u>Zach Leeemann</u> Date of Survey <u>20-May-17</u> File Name <u>BURN_42351401.T02</u>
Methodology RTK Base <input checked="" type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>
	Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates Latitude <u>N43°28'12.40"</u> Longitude <u>W88°45'33.02"</u> Ellipsoidal Height <u>820.5'</u>	
Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> Other, specify <input type="checkbox"/>	
Type of Mark <u>CONC MON</u> Mark Stamping <u>BURNETT W GPS 1992</u>	
Antenna Height: <u>7.382</u> USFT <u>2.250</u> METERS	
Start Time : <u>8:28</u> Stop Time : <u>19:20</u> PDOP Max: <u>1.6</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u>	
Weather Conditions <u>CLOUDY 47°</u>	
LOCATION PHOTO  NORTH	<p>See Previous For Photos</p>



 GPS STATION RECOVERY - GPS LOG SHEET		
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>BURNETT W GPS</u>	Operator Name <u>Zach Leeseemann</u> Date of Survey <u>21-May-17</u> File Name <u>BURN_42351410.T02</u>	
Methodology RTK Base <input checked="" type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates Latitude <u>N43°28'12.43"</u> Longitude <u>W88°45'33.04"</u> Ellipsoidal Height <u>815.9'</u>		Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 4235 Other, specify <input type="checkbox"/>
Type of Mark <u>CONC MON</u> Mark Stamping <u>BURNETT W GPS 1992</u>	Antenna Height: <u>7.382</u> USFT <u>2.250</u> METERS	Start Time : <u>8:37</u> Stop Time : <u>18:35</u> PDOP Max: <u>1.4</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u>
		Weather Conditions <u>PARTLY CLOUDY 58°</u>
LOCATION PHOTO  NORTH	See Previous For Photos	

 GPS STATION RECOVERY - GPS LOG SHEET		
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>BURNETT W GPS</u>	Operator Name <u>Zach Leeseemann</u> Date of Survey <u>22-May-17</u> File Name <u>BURN_42351420.T02</u>	
Methodology RTK Base <input checked="" type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates Latitude <u>N43°</u> Longitude <u>W88°</u> Ellipsoidal Height _____ Type of Mark <u>CONC MON</u> Mark Stamping <u>BURNETT W GPS 1992</u>		
Receiver : R10 _____ R8 <u>4235</u> Other, specify _____ Antenna Height: <u>7.382</u> USFT <u>2.250</u> METERS Start Time : <u>9:28</u> Stop Time : <u>18:39</u> PDOP Max: <u>1.5</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u> Weather Conditions <u>SUNNY 51°</u>		
LOCATION PHOTO  NORTH	See Previous For Photos	

 GPS STATION RECOVERY - GPS LOG SHEET		
Project Name <u>Dodge County Ortho/LiDAR</u> Project Number <u>77415/77512</u> Station Name <u>BURNETT W GPS</u>	Operator Name <u>Zach Leeseemann</u> Date of Survey <u>23-May-17</u> File Name <u>BURN_42351430.T02</u>	
Methodology RTK Base <input checked="" type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-027</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates Latitude <u>N43°28'12.41"</u> Longitude <u>W88°45'33.00"</u> Ellipsoidal Height <u>830.1'</u>		Receiver : R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> 4235 Other, specify <input type="checkbox"/>
Type of Mark <u>CONC MON</u> Mark Stamping <u>BURNETT W GPS 1992</u>	Antenna Height: <u>7.382</u> USFT <u>2.250</u> METERS	Start Time : <u>8:04</u> Stop Time : <u>14:58</u> PDOP Max: <u>1.6</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u>
Weather Conditions <u>CLOUDY 57°</u>		
LOCATION PHOTO  NORTH	See Previous For Photos	

		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	Dodge County Ortho/LiDAR	Operator Name	Zach Leeseemann
Project Number	77415/77512	Date of Survey	20-May-17
Station Name	COLUMBUS CENTRAL GPS_RTK	File Name	DODGECO_140_ZRL.job
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-021</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates		Receiver :	
Latitude	N43°19'27.12"	R10	<input type="text"/>
Longitude	W89°02'56.48"	R8	<input type="text" value="6136"/>
Ellipsoidal Height	768.8'	Other, specify	<input type="text"/>
Type of Mark	CONC MON	Antenna Height:	6.562 USFT 2.000 METERS
Mark Stamping	COLUMBUS CENTRAL GPS 1994	Start Time :	11:02 Stop Time : 11:05
		PDOP Max:	1.8
		Start Time :	11:06 Stop Time : 11:09
		PDOP Max:	1.8
		Weather Conditions	LIGHT RAIN 51°
LOCATION PHOTO			
 NORTH			
 <small>COLUMBUS CENTRAL GPS, DH5546, 1, 20MAY2017</small>			
 <small>COLUMBUS CENTRAL GPS, DH5546, 3NW, 20MAY2017</small>		 <small>COLUMBUS CENTRAL GPS, DH5546, 3SW, 20MAY2017</small>	

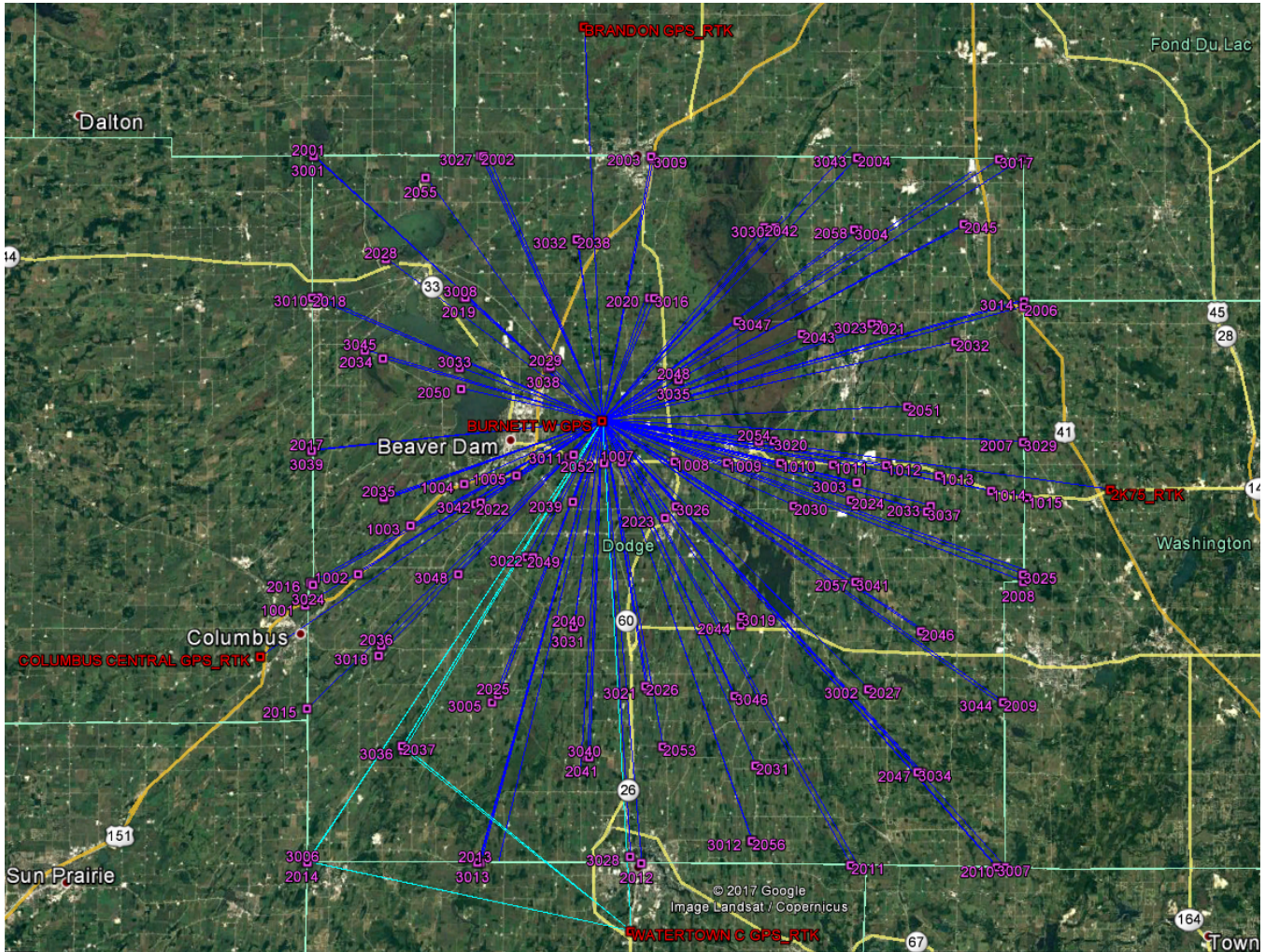
		GPS STATION RECOVERY - GPS LOG SHEET	
Project Name	<u>Dodge County Ortho/LiDAR</u>	Operator Name	<u>Zach Leeemann</u>
Project Number	<u>77415/77512</u>	Date of Survey	<u>20-May-17</u>
Station Name	<u>WATERTOWN C GPS_RTK</u>	File Name	<u>DODGECO_140_ZRL_job</u>
Methodology	RTK Base <input type="checkbox"/> RTK <input checked="" type="checkbox"/> Rapid Static <input type="checkbox"/>	Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/>	Agency <u>WI-055</u> LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u>
Global Coordinates		Receiver :	
Latitude	<u>N43°09'20.15"</u>	R10	<input type="text"/>
Longitude	<u>W88°44'05.22"</u>	R8	<input type="text" value="6136"/>
Ellipsoidal Height	<u>731.4'</u>	Other, specify	<input type="text"/>
Type of Mark	<u>CONC MON</u>	Antenna Height:	<u>6.562</u> USFT <u>2.000</u> METERS
Mark Stamping	<u>WATERTOWN C GPS 1992</u>	Start Time :	<u>12:50</u> Stop Time : <u>12:53</u>
		PDOP Max:	<u>2.0</u>
		Start Time :	<u>12:53</u> Stop Time : <u>12:56</u>
		PDOP Max:	<u>2.2</u>
		Weather Conditions	<u>RAIN 46°</u>
LOCATION PHOTO			
 NORTH			
			
			
<small>WATERTOWN C GPS, DF9982, 3N, 20MAY2017</small>		<small>WATERTOWN C GPS, DF9982, 3E, 20MAY2017</small>	

 GPS STATION RECOVERY - GPS LOG SHEET		
<p>Project Name <u>Dodge County Ortho/LiDAR</u></p> <p>Project Number <u>77415/77512</u></p> <p>Station Name <u>WATERTOWN C GPS</u></p> <p>Methodology RTK Base <input type="checkbox"/> RTK <input type="checkbox"/> Rapid Static <input type="checkbox"/> Fast Static <input checked="" type="checkbox"/></p>	<p>Operator Name <u>Zach Leeemann</u></p> <p>Date of Survey <u>20-May-17</u></p> <p>File Name <u>WATR_44281401.T02</u></p> <p>Photo Control Point (PCP) <input type="checkbox"/> LiDAR Control Point (GCP) <input type="checkbox"/> LiDAR QC Point (QCP) <input type="checkbox"/> Control Station <input checked="" type="checkbox"/> Agency <u>WI-055</u></p> <p>LID <u>N/A</u> Hor. Order <u>0</u> Ver. Order <u>2</u> Designation <u>BM</u></p>	
<p>Global Coordinates</p> <p>Latitude <u>N43°09'20.15"</u></p> <p>Longitude <u>W88°44'05.22"</u></p> <p>Ellipsoidal Height <u>731.4'</u></p> <p>Type of Mark <u>CONC MON</u></p> <p>Mark Stamping <u>WATERTOWN C GPS 1992</u></p>		
<p>Receiver :</p> <p>R10 <input type="checkbox"/> R8 <input checked="" type="checkbox"/> Other, specify <input type="checkbox"/></p> <p>Antenna Height: <u>6.562</u> USFT <u>2.000</u> METERS</p> <p>Start Time : <u>13:10</u> Stop Time : <u>18:40</u> PDOP Max: <u>2.2</u> Start Time : <u>N/A</u> Stop Time : <u>N/A</u> PDOP Max: <u>N/A</u></p> <p>Weather Conditions <u>RAIN 46°</u></p>		
<p>LOCATION PHOTO</p> <p style="text-align: center;">  NORTH </p>	<p>See Previous For Photos</p>	
Empty space for notes or additional data		



Section 5: GPS Control Diagram

This section contains a graphical representation of the new and existing control stations used for the USGS WI Dodge County 2017 B17 LiDAR Project. The diagram on the following page depicts the control stations used in the NAD83 (2011) adjustment.



**USGS WI DODGE COUNTY 2017 B17 LiDAR PROJECT
TASK ORDER NUMBER: G17PD00370**

Horizontal Datum: NAD 83 (2011)

Vertical Datum: NAVD 88

Units: U.S. Survey Feet

State Plane Zone: Wisconsin Coordinate Reference System (WISCRS) Dodge County

Geoid Model: Geoid 12B

Coordinate System: Grid

Date: December 2017



Geodetic Control Station and/or Geodetic Control Check
LiDAR Control Station

NOT TO SCALE