

**REPORT OF LIDAR CONTROL SURVEY
MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT**



GROUND CONTROL POINTS

JANUARY, 2013

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT

Waggoner Engineering, Inc., was tasked to perform a control survey for twenty-eight (28) ground control points to support the LIDAR acquisition for the Middle Pearl-Strong River Basin project in Rankin and Simpson Counties, Mississippi. The project area along with the location of the 28 control points (red triangles) are shown below in Figure 1.

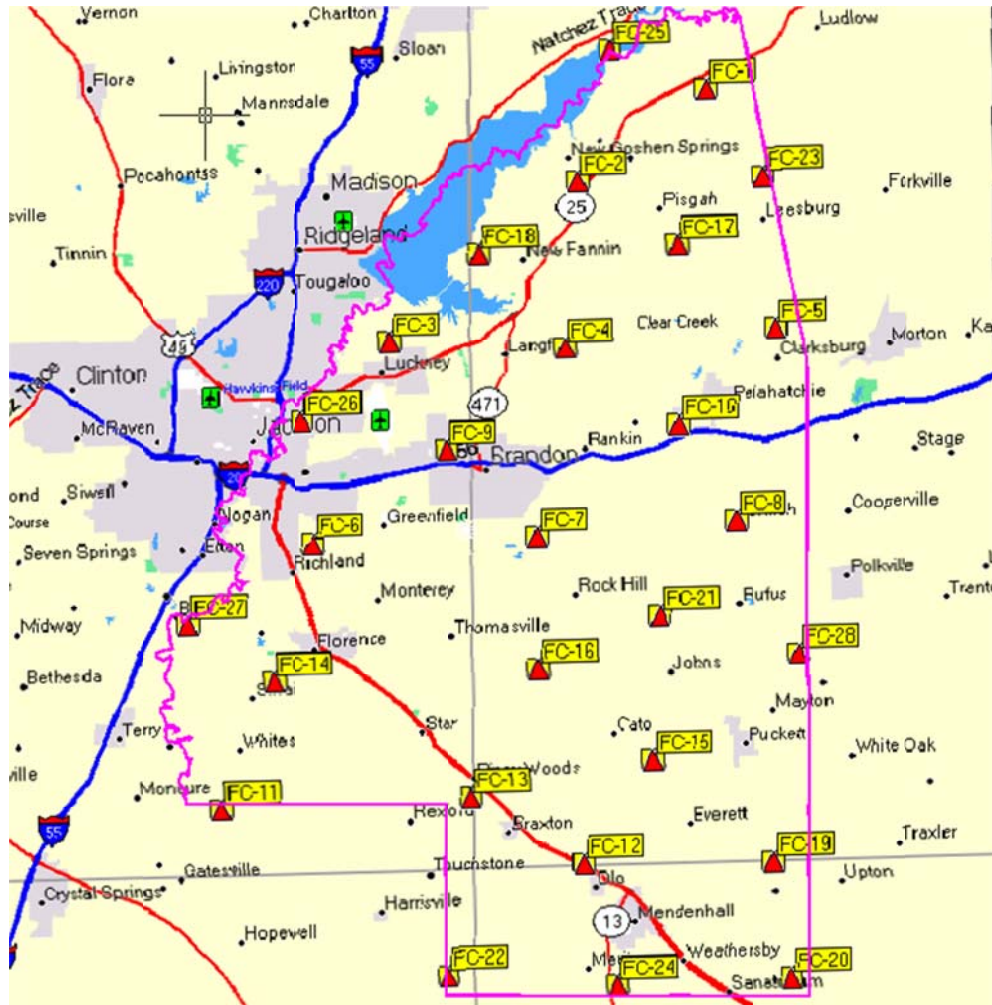


Figure 1

The horizontal and vertical values of the 28 control points were established using a combination of GPS - VRS (Virtual Reference Station) and Differential RTK (Real Time Kinematic) methods. VRS was used to acquire initial preliminary values, while RTK was utilized to obtain values within specifications. The equipment utilized for the survey was Trimble 5700 and 5800 Dual Frequency GPS receivers, Trimble TSC2 Data Collectors and AT&T wifi card for internet connection. A fixed 2 meter pole was used during all GPS observations.

The horizontal datum was the North American Datum of 1983 (NAD_83) (2011) epoch 2010.00 and the vertical datum was the North American Vertical Datum of 1988 (NAVD88), GEOID12A.

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT

CONTROL

Primary control used for this project included NGS monuments named “Park” and “Y362” along with “CP3116” located at Jackson-Evers International Airport and “CP1” located at Bruce Campbell Airfield. “CP3116” and “CP1” were established previously by multiple static GPS sessions.

Point	PID	PUBLISHED			COLLECTED		
		Northing	Easting	Elev.	Northing	Easting	Elev.
Y362 (NGS)	CP3432	1019195.760	2349582.190	263.250	1019195.798	2349582.237	263.249
PARK (NGS)	CP0499	1027027.880	2350934.250	365.900	1027027.876	2350934.236	365.840
CP 3117 (WEI)	Previous LIDAR	1020822.162	2376946.400	328.030	1020822.126	2376946.437	328.037
CP 1 (WEI)	Previous LIDAR	1068025.191	2367187.384	316.201	1068025.187	2367187.379	316.192

These points were used as QA/QC points while collecting the 28 ground control points.

RTK data was collected on all 28 point on multiple days and by different rover units to insure that we had redundant data for comparison. Each point was collected in two seperate sessions for a minimum of six (6) minutes each.

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT

The results of the GPS survey was then compared in the office using Trimble Business Center Software to assure conformance with specific survey specifications. The results of the comparison are shown in the chart below. The results of the GPS survey met the accuracy requirements as provided specified under “Regular” LIDAR specifications.

Comparison of GPS/Survey Results

POINT	PDOP	H. Precision (95%) (M)	V. Precision (95%) (M)	# Satellites	RMS (M)
FC-1	1.440	0.009	0.011	8	0.005
FC-2	1.730	0.012	0.014	7	0.004
FC-3	1.920	0.006	0.007	6	0.002
FC-4	2.510	0.012	0.011	6	0.004
FC-5	1.400	0.014	0.009	7	0.005
FC-6	1.780	0.005	0.010	8	0.007
FC-7	1.790	0.006	0.011	8	0.006
FC-8	1.800	0.007	0.007	7	0.002
FC-9	1.490	0.006	0.007	8	0.005
FC-10	1.750	0.009	0.009	9	0.005
FC-11	2.050	0.017	0.018	6	0.009
FC-12	3.030	0.008	0.013	7	0.002
FC-13	1.520	0.017	0.020	6	0.006
FC-14	1.990	0.007	0.007	6	0.004
FC-15	1.520	0.020	0.019	7	0.008
FC-16	1.200	0.008	0.010	8	0.010
FC-17	1.990	0.013	0.019	7	0.007
FC-18	1.840	0.006	0.008	7	0.005
RC-19	1.490	0.010	0.010	8	0.004
FC-20	2.140	0.021	0.026	8	0.016
FC-21	1.590	0.010	0.013	7	0.010
FC-22	3.370	0.007	0.014	7	0.002
FC-23	1.600	0.009	0.012	7	0.003
FC-24	2.020	0.008	0.010	6	0.013
FC-25	1.510	0.021	0.026	7	0.006
FC-26	1.770	0.004	0.007	7	0.004
FC-27	2.210	0.011	0.013	6	0.004
FC-28	1.470	0.014	0.024	6	0.010

The following pages display the final values, a description of, and a photo of each the twenty (28) control points established for this project.

MIDDLE PEARL STRONG BASIN LIDAR PROJECT
GROUND CONTROL POINTS 2013



POINT	NORTHING-SP(FT)	EASTING-SP(FT)	ORTHO HEIGHT-(FT)	NORTHING-SP(M)	EASTING-SP(M)	ORTHO HEIGHT-(M)	LATITUDE	LONGITUDE	ELLIP H (M)	ELLIP H (FT)	UTM 15 N (M)	UTM 15 E (M)	UTM 16 N (M)	UTM 16 E (M)
FC-1	1106823.814	2458859.367	342.859	337360.573	749461.834	104.504	32.54190	-89.80675	77.332	253.713	3605001.927	799898.359	3603978.225	236414.177
FC-2	1080539.849	2426373.496	457.804	329349.205	739560.121	139.539	32.47005	-89.91250	112.543	369.236	3596739.458	790193.490	3596276.482	226261.518
FC-3	1040916.255	2378918.571	283.547	317271.909	725095.831	86.425	32.36156	-90.06669	59.847	196.346	3584297.038	776026.366	3584649.240	211418.378
FC-4	1038783.287	2424507.803	329.496	316621.779	738991.456	100.431	32.35530	-89.91907	73.695	241.782	3583993.284	789942.572	3583565.897	225295.546
FC-5	1045328.367	2477428.698	417.029	318616.724	755121.777	127.111	32.37261	-89.74759	100.232	328.844	3586391.506	806029.678	3585058.111	241488.268
FC-6	991613.318	2359286.570	392.157	302244.344	719111.985	119.530	32.22616	-90.13057	93.121	305.513	3569116.681	770415.089	3569804.727	204965.630
FC-7	989351.997	2416264.619	393.157	301555.092	736478.929	119.834	32.21951	-89.94634	93.333	306.211	3568858.745	787804.244	3568576.016	222314.118
FC-8	995211.470	2466353.414	451.582	303341.063	751746.024	137.642	32.23502	-89.78429	111.071	364.407	3571024.897	803032.957	3569887.983	237637.333
FC-9	1013792.863	2392843.141	360.445	309004.683	729340.048	109.864	32.28690	-90.02185	83.326	273.379	3576133.203	780477.785	3576248.438	215405.848
FC-10	1018431.310	2451943.458	387.234	310418.484	747353.861	118.029	32.29903	-89.83054	91.280	299.475	3577996.033	798462.800	3577101.926	233465.170
FC-11	925747.596	2335330.059	295.708	282168.432	711810.026	90.132	32.04520	-90.20828	63.783	209.262	3548855.399	763609.070	3549949.656	197039.621
FC-12	909953.712	2427781.839	331.323	277354.446	739989.385	100.987	32.00114	-89.91011	74.794	245.385	3544736.315	791915.500	3544264.414	225075.788
FC-13	931529.961	2400139.988	397.044	283930.900	731564.131	121.019	32.06072	-89.99906	94.719	310.756	3551106.811	783324.748	3551101.876	216852.672
FC-14	957561.719	2348689.999	325.382	291865.396	715882.143	99.177	32.13261	-90.16501	72.750	238.682	3558655.196	767442.044	3559523.364	201412.989
FC-15	935448.400	2445238.595	381.310	285125.243	745310.214	116.224	32.07102	-89.85343	89.936	295.065	3552641.707	797046.290	3551871.355	230636.990
FC-16	959586.378	2424109.095	371.181	292482.513	738869.930	113.136	32.13761	-89.92135	86.735	284.564	3559842.285	790421.277	3559428.417	224423.977
FC-17	1063949.285	2452051.757	391.057	324292.391	747386.870	119.194	32.42415	-89.82949	92.271	302.725	3591876.434	798149.679	3590974.962	233930.578
FC-18	1062661.794	2402250.777	324.910	323899.963	732207.501	99.033	32.42115	-89.99090	72.237	236.996	3591104.556	782974.656	3591056.435	218737.942
FC-19	908840.530	2476711.341	520.966	277015.147	754903.127	158.791	31.99746	-89.75230	132.623	435.114	3544765.246	806843.930	3543464.940	239979.490
FC-20	880380.872	2481106.105	492.252	268340.626	756242.653	150.039	31.91917	-89.73863	124.021	406.892	3536119.659	808398.137	3534749.419	241051.654
FC-21	971390.327	2447323.355	420.492	296080.364	745945.651	128.166	32.16979	-89.84618	101.726	333.745	3563617.035	797410.484	3562807.207	231611.621
FC-22	883024.462	2393354.256	378.142	269146.394	729495.836	115.258	31.92744	-90.02142	89.136	292.44	3536266.536	781620.834	3536378.823	214327.828
FC-23	1080345.001	2474430.991	338.807	329289.815	754208.075	103.269	32.46890	-89.75668	76.156	249.854	3597046.582	804848.814	3595759.212	240907.759
FC-24	879500.148	2437274.447	349.012	268072.273	742882.737	106.379	31.91733	-89.87990	80.326	263.535	3535521.929	795038.968	3534892.340	227683.259
FC-25	1115544.783	2433620.352	300.667	340018.730	741768.967	91.643	32.56619	-89.88853	64.563	211.819	3607468.181	792135.818	3606877.454	228804.476
FC-26	1022064.690	2355893.757	273.106	311525.941	718077.853	83.243	32.30988	-90.14136	56.806	186.372	3578374.727	769149.836	3579120.699	204219.895
FC-27	970846.024	2329130.390	252.624	291865.367	715882.134	99.228	32.16919	-90.22815	50.569	165.909	3562557.274	761378.666	3563758.417	195575.009
FC-28	960737.266	2482994.712	378.986	292833.304	756818.302	115.515	32.14001	-89.73110	89.132	292.426	3560638.280	808368.491	3559223.264	242383.552

GEOID12A
NAD 1983 (2011)
NAVD 1988
MS STATE PLANE COORDINATES - US SURVEY FT AND METER

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 60' EAST OF PRIVATE DRIVE AND 80' NORTH OF EDGE OF SOUTH BOUND LANE OF HWY 25



Point Id: FC-1

Northing: 1106823.814

Easting: 2458859.367

Elevation: 342.859

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°32'30.83581"

Long: 89°48'24.28569"

Ell. Height: 253.713

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 77' SOUTH OF CL OF OLD HWY 71 AND 136' WEST OF SOUTH BOUND LANE OF HWY 71



Point Id: FC-2

Northing: 1080539.849

Easting: 2426373.496

Elevation: 457.804

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°28'12.18745"

Long: 89°54'44.98879"

Ell. Height: 369.236

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 260' NORTHWEST OF STR.120 AND 60' NORTHEAST OF 6' BOARD FENCE



Point Id: FC-3

Northing: 1040916.255

Easting: 2378918.571

Elevation: 283.547

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°21'41.61519"

Long: 90°04'00.06661"

Ell. Height: 196.346

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 33' FROM EDGE OF GRAVEL IN THE CENTER OF THE GRAVEL AREA



Point Id: FC-4

Northing: 1038783.287

Easting: 2424507.803

Elevation: 329.496

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°21'19.07419"

Long: 89°55'08.65508"

Ell. Height: 241.782

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAGNAIL SET 57' SOUTH OF WHITE MAILBOX AND 61' WEST OF EDGE OF PAVEMENT ON BARKER ROAD



Point Id: FC-5

Northing: 1045328.367

Easting: 2477428.698

Elevation: 417.029

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°22'21.39189"

Long: 89°44'51.30880"

Ell. Height: 328.844

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET IN GRAVEL AREA, 27' NORTH OF HARPER STREET AND 50' WEST OF S. PEARSON ROAD



Point Id: FC-6

Northing: 991613.318

Easting: 2359286.570

Elevation: 392.157

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°13'34.16479"

Long: 90°07'50.03837"

Ell. Height: 305.513

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 69' SOUTH OF ASPHALT DRIVE AND 65' WEST OF EDGE OF PAVEMENT OF HWY 18



Point Id: FC-7

Northing: 989351.997

Easting: 2416264.619

Elevation: 393.157

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°13'10.24054"

Long: 89°56'46.83139"

Ell. Height: 306.211

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET ON THE NORTH SIDE OF WALTERS ROAD EAST OF DITCH AND WEST OF HEDGE AND FENCE ROW



Point Id: FC-8

Northing: 995211.470

Easting: 2466353.414

Elevation: 451.582

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°14'06.06278"

Long: 89°47'03.43602"

Ell. Height: 364.407

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 39' SOUTH EDGE OF ASPHALT PARKING LOT AND 44' WEST OF PARKING LOT EDGE



Point Id: FC-9

Northing: 1013792.863

Easting: 2392843.141

Elevation: 360.445

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°17'12.84730"

Long: 90°01'18.64344"

Ell. Height: 273.379

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 11' SOUTH OF FENCE LINE AND 55' WEST OF EDGE OF JOE BENETTE ROAD



Point Id: FC-10

Northing: 1018431.310

Easting: 2451943.458

Elevation: 387.234

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°17'56.52590"

Long: 89°49'49.93297"

Ell. Height: 299.475

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 10' WEST OF W. EDGE OF ASPHALT OF McDONALD ROAD AND 10' EAST OF FENCE (294 McDONALD)



Point Id: FC-11

Northing: 925747.596

Easting: 2335330.059

Elevation: 295.708

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°02'42.73436"

Long: 90°12'29.81826"

Ell. Height: 209.262

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET 60 NORTH OF CROSSOVER AND 39' WEST OF EDGE OF PAVEMENT OF HWY 49 NORTH



Point Id: FC-12

Northing: 909953.712

Easting: 2427781.839

Elevation: 331.323

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°00'04.11934"

Long: 89°54'36.39533"

Ell. Height: 245.385

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL SET @ PULLOFF E. SIDE OF HWY 49 NORTH, 0.1 MILE NORTH OF ENTRANCE TO PINEY WOODS SCHOOL



Point Id: FC-13

Northing: 931529.961

Easting: 2400139.988

Elevation: 397.044

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°03'38.59141"

Long: 89°59'56.61877"

Ell. Height: 310.756

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D MAG NAIL IN MOWED LAWN ON WHITE ROAD (HOUSE # 712), 27' WEST OF ROAD



Point Id: FC-14

Northing: 957561.719

Easting: 2348689.999

Elevation: 325.382

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°07'57.38199"

Long: 90°09'54.01841"

Ell. Height: 238.682

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET ON NORTH SIDE OF COUNTY LINE ROAD (12' N. OF EDGE OF PAVEMENT)



Point Id: FC-15

Northing: 935448.400

Easting: 2445238.595

Elevation: 381.310

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°04'15.68353"

Long: 89°51'12.36080"

Ell. Height: 295.065

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN CUTOVER - 64' WEST OF SHELL OIL ROAD – 20' EAST OF DISTRIBUTION LINE



Point Id: FC-16

Northing: 959586.378

Easting: 2424109.095

Elevation: 371.181

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°08'15.40691"

Long: 89°55'16.84535"

Ell. Height: 284.564

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN CENTER OF ASPHALT CUL-DE-SAC – 68' FROM EDGE OF GRAVEL DRIVE



Point Id: FC-17

Northing: 1063949.285

Easting: 2452051.757

Elevation: 391.057

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°25'26.92401"

Long: 89°49'46.17509"

Ell. Height: 302.725

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN LOW GRASS IN FIELD – 79' SOUTH OF FANNIN LANDING CIR – 55' EAST OF FLOWER LANE



Point Id: FC-18

Northing: 1062661.794

Easting: 2402250.777

Elevation: 324.910

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°25'16.13547"

Long: 89°59'27.23215"

Ell. Height: 236.996

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80 D NAIL SET @ PULL-OFF EASTSIDE OF HWY 541



Point Id: FC-19

Northing: 908840.530

Easting: 2476711.341

Elevation: 520.966

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 31°59'50.85506"

Long: 89°45'08.26944"

Ell. Height: 435.114

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET 7' EAST OF EAST EDGE OF ASPHALT HWY 541 - 30' SOUTH OF CL OF PAUL CRAFT DRIVE



Point Id: FC-20

Northing: 880380.872

Easting: 2481106.105

Elevation: 492.252

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 31°55'08.99481"

Long: 89°44'19.05337"

Ell. Height: 406.892

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET 10' WEST OF JOHNS SHILOH ROAD @ PULLOFF AND GROWN OVER FIELD



Point Id: FC-21

Northing: 971390.327

Easting: 2447323.355

Elevation: 420.492

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°10'11.25266"

Long: 89°50'46.24442"

Ell. Height: 333.745

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN CL OF DIRT WOODS ROAD IN AREA OF CUTOVER TIMBER – 60' SOUTH OF HEAD-NEELEY ROAD



Point Id: FC-22

Northing: 883024.462

Easting: 2393354.256

Elevation: 378.142

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 31°55'38.78831"

Long: 90°01'17.09721"

Ell. Height: 292.440

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN FIELD 139' SOUTH OF CL OF OLD HWY43 – 88' WEST OF CL OF WILSON-BATES ROAD



Point Id: FC-23

Northing: 1080345.001

Easting: 2474430.991

Elevation: 338.807

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°28'08.03721"

Long: 89°45'24.05797"

Ell. Height: 249.854

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



PK NAIL @ CL INTERSECTION OF PEACOCK ROAD AND MAIN STREET



Point Id: FC-24

Northing: 879500.148

Easting: 2437274.447

Elevation: 349.012

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 31°55'02.38002"

Long: 89°52'47.64221"

Ell. Height: 263.535

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET 2' EAST OF EDGE OF ROCK ROAD AND 50' SOUTH OF POWER POLE



Point Id: FC-25

Northing: 1115544.783

Easting: 2433620.352

Elevation: 300.667

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°33'58.26709"

Long: 89°53'18.69479"

Ell. Height: 211.819

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL 60' SOUTH OF SOUTH EDGE OF GRAVEL DRIVE – 72' WEST OF TELEPHONE PEDISTAL



Point Id: FC-26

Northing: 1022064.690

Easting: 2355893.757

Elevation: 273.106

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°18'35.55907"

Long: 90°08'28.90158"

Ell. Height: 186.372

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET ON THE SOUTH SIDE OF FLORENCE TO BYRAM ROAD IN OPEN AREA



Point Id: FC-27

Northing: 970846.024

Easting: 2329130.390

Elevation: 252.624

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°10'09.08594"

Long: 90°13'41.33820"

Ell. Height: 165.909

MIDDLE PEARL - STRONG RIVER BASIN LIDAR PROJECT



80D NAIL SET IN OPEN AREA – 10' FROM EDGE OF PAVEMENT OF WOODS ROAD



Point Id: FC-28

Northing: 960737.266

Easting: 2482994.712

Elevation: 378.986

**MS State Plane West Zone (2302) (NAD83) U.S. Feet:
Vertical data (NAVD88) U.S. Feet**

Lat: 32°08'24.05177"

Long: 89°43'51.94424"

Ell. Height: 292.426