



Mn/DOT Name: 27 152W

NGS Name: 27 152W

County: MONROE, WI (Sheet 1)

NGS ACRN: [DH5404](#) [Get Map](#)
 NGS Quad / Sta Num : 43090421/
 USGS Quad: ONTARIO

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SE	27	15 N	2 W	434432.59	903606.77	2	C

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
1997	2010	GOOD	Horz=? Vert=?	NO		FLUSH	STEEL ROD IMBED IN MON

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
CONCRETE MONUMENT (CAST-IN-PLACE)	SURVEY DISK	WIDT

Description: **Stamping:** 27-152W 1997

TO REACH STATION 27 152W FROM THE JUNCTION OF STATE HIGHWAY 33 WITH STATE HIGHWAY 131 NORTH IN THE VILLAGE OF ONTARIO, GO NORTH ON STATE HIGHWAY 131 FOR 1.2 MILE TO NIAGARA AVENUE ON THE LEFT, TURN LEFT AND GO WEST ON NIAGARA AVENUE FOR 0.8 MILE TO STATION 27 152W ON THE LEFT. STATION 27 152W IS A BRONZE MONROE COUNTY GEODETIC CONTROL MARKER DISK SET IN THE TOP OF A 15.74 INCH DIAMETER ROUND CONCRETE POST IS ABOUT 3.3 FEET ABOVE THE ROAD PAVEMENT. STATION 27 152W IS 26.6 FEET WEST OF THE CENTERLINE OF NIAGARA AVENUE, 161.1 FEET NORTH OF A POWER POLE NUMBER --5H27L17--, 40.0 FEET SOUTH-SOUTHWEST OF A WOOD POST FOR A LEFT CURVE SIGN, 3.3 FEET EAST OF A CULTIVATED FIELD, AND 3.3 FEET SOUTH, NORTHEAST, NORTHWEST OF THREE ORANGE 4X4 PLASTIC WITNESS POSTS. ---NOTE---STATION 27 152W HAS NO VISIBLE OBSTRUCTIONS EXTENDING HIGHER THAN 15 DEGREES ABOVE THE HORIZON. STATION 27 152W IS 0.09 MILE NORTH OF ORDWAY ROAD AND 12.5 FEET SOUTH OF A WOOD POST SUPPORTING A METAL GATE AT A FIELD ENTRANCE.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>				<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>		<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
919.795	.016	2/1					VERTICAL ADJUSTMENT	2012	00000712	

Non Leveling-Derived Orthometric and Ellipsoid Heights (Feet)

<u>NAVD88</u>				<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>		<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
919.795	.066			809.345		2011	HORIZONTAL ADJUSTMENT	2013	GPS2947	
				.007	.328	2011	HORIZONTAL ADJUSTMENT	2012	GPS2800	

Geoid Separations(ft): GEOID18 = -110.456 12B = -110.456 09 = -110.305 03 = -110.190

Lat/Lon and County Coordinates (Feet)

<u>NAD83(2011)</u>							<u>Project Info</u>	
<u>Geodetic Position</u>		<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
<u>Latitude</u>	<u>Longitude</u>							
43 44 32.59378	90 36 06.76881			.003		MIXED SURVEY	2012	GPS2800

State Plane and UTM Coordinates (Feet)

<u>NAD83(2011)</u>		<u>UTM - Zone 15</u>				<u>Project Info</u>		
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
		2273944.379	15899101.807	.003		MIXED SURVEY	2012	GPS2800



Mn/DOT Name: 3D15

NGS Name: 3D15

County: MONROE, WI (Sheet 1)

NGS ACRN: [DH8445](#) [Get Map](#)
 NGS Quad / Sta Num : 43090421/
 USGS Quad: ONTARIO

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SE	25	15 N	4 W	434433.23	904739.74	2	C

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2004	2016	GOOD	Horz=? Vert=?	NO		FLUSH	STEEL ROD IMBED IN MON

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
CONCRETE MONUMENT (CAST-IN-PLACE)	SURVEY DISK	WIDT

Description: Stamping: 3D15 2004

STATION 3D15 IS LOCATED FROM THE JUNCTION OF STATE HIGHWAY 27 AND STATE HIGHWAY 33 IN THE NORTH QUADRANT ABOUT 0.5 MILE WEST OF THE VILLAGE OF CASHTON. STATION 3D15 IS A BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION GEODETIC SURVEY CONTROL STATION DISK SET IN THE TOP OF A 16.1 INCH DIAMETER CONCRETE POST ABOUT LEVEL WITH THE HIGHWAY PAVEMENT. STATION 3D15 IS 78.1 FEET NORTHEAST OF THE CENTERLINE OF STATE HIGHWAY 33, 226.4 FEET NORTHWEST OF THE CENTERLINE OF STATE HIGHWAY 27, 91.9 FEET EAST-SOUTHEAST OF A WOOD POST FOR A --SPEED LIMIT 55-- SIGN, 13.1 FEET WEST-SOUTHWEST OF A TELEPHONE PEDESTAL --E 13 T 6--, 3.3 FEET SOUTHWEST OF A WHITE PLASTIC WITNESS POST, 3.3 FEET EAST OF A WHITE PLASTIC WITNESS POST, AND 3.3 FEET NORTH OF A WHITE PLASTIC WITNESS POST. ---NOTE---STATION 3D15 HAS NO VISIBLE OBSTRUCTIONS EXTENDING HIGHER THAN 15 DEGREES ABOVE THE HORIZON.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
1355.890	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712	

Non Leveling-Derived Orthometric and Ellipsoid Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
			.013	.328	2011	HORIZONTAL ADJUSTMENT	2017	GPS3182	

Geoid Separations(ft): GEOID18 = -108.845 12B = -108.832 09 = -108.737 03 = -108.517

Lat/Lon and County Coordinates (Feet)

<u>NAD83(2011)</u>		<u>Geodetic Position</u>						<u>Project Info</u>	
<u>Latitude</u>	<u>Longitude</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>	
43 44 33.23000	90 47 39.74301			.013		MIXED SURVEY	2017	GPS3182	

State Plane and UTM Coordinates (Feet)

<u>NAD83(2011)</u>		<u>UTM - Zone 15</u>				<u>Project Info</u>		
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
		2223089.329	15897752.842	.013		MIXED SURVEY	2017	GPS3182



Mn/DOT Name: 3D49

NGS Name: 3D49

County: MONROE, WI (Sheet 1)

NGS ACRN: [DH8493](#) [Get Map](#)
 NGS Quad / Sta Num : 43090444/
 USGS Quad: BANGOR

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
NE	30	17 N	4 W	435519.58	905325.08	2	

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2004	2010	GOOD	Horz=? Vert=?	NO			SEE DESCRIPTION

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
CONCRETE FOOTING - LARGE	SURVEY DISK	WIDT

Description: Stamping: 3D49 2004

TO REACH STATION 3D49 FROM THE JUNCTION OF STATE HIGHWAY 16 AND STATE HIGHWAY 71 EAST (WISCONSIN STREET) WITH STATE HIGHWAY 27 AND STATE HIGHWAY 71 WEST (BLACK RIVER STREET) IN THE CITY OF SPARTA, GO WEST ON STATE HIGHWAY 16 (WISCONSIN STREET) FOR 3.55 MILES TO COUNTY ROAD BC ON THE RIGHT AND ICARUS ROAD ON THE LEFT, TURN LEFT AND GO SOUTH ON ICARUS ROAD FOR 0.6 MILE TO STATION 3D49 ON THE LEFT. STATION 3D49 IS A BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION GEODETIC SURVEY CONTROL STATION DISK SET IN THE NORTHEAST WING WALL OF A BRIDGE ABOUT LEVEL WITH THE ROAD PAVEMENT. THE STATION IS 15.1 FEET EAST OF THE CENTERLINE OF ICARUS ROAD AND 101.7 FEET SOUTH OF THE PRIVATE ENTRANCE --17476--.

--NOTE--STATION 3D49 IS NOT SUITABLE FOR GPS OBSERVATIONS DUE TO BEING HEAVILY OBSTRUCTED BY TREES.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
743.338	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712	

Geoid Separations(ft): GEOID18 = -107.805 12B = -107.808 09 = -107.647 03 = -107.618

* No Horizontal Positions in the Database *



Mn/DOT Name: 3E04

NGS Name: 3E04

County: MONROE, WI (Sheet 1)

NGS ACRN: [DH8450](#) [Get Map](#)
 NGS Quad / Sta Num : 43090421/
 USGS Quad: ONTARIO

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SE	33	15 N	2 W	434339.06	903702.82	2	

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2004	2010	GOOD	Horz=? Vert=?	NO			SEE DESCRIPTION

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
STRUCTURE (MASSIVE)	SURVEY DISK	WIDT

Description: **Stamping:** 3E04 2004

TO REACH STATION 3E04 FROM THE JUNCTION OF STATE HIGHWAY 33 (SOUTH STREET) WITH STATE HIGHWAY 131 (GARDEN STREET) IN THE VILLAGE OF ONTARIO, GO WEST ON STATE HIGHWAY 33 (SOUTH STREET) FOR 1.2 MILES TO OPPORTUNITY ROAD ON THE RIGHT, CONTINUE WEST ON STATE HIGHWAY 33 FOR 0.2 MILE TO STATION 3E04 ON THE RIGHT. STATION 3E04 IS A BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION GEODETIC SURVEY CONTROL STATION DISK SET IN THE NORTHEAST WING WALL OF A BRIDGE --B-41-234-04-- ABOUT LEVEL WITH THE HIGHWAY PAVEMENT. STATION 3E04 IS 21.3 FEET NORTH OF THE CENTERLINE OF STATE HIGHWAY 133 AND 83.7 FEET WEST OF THE EAST END OF THE NORTH GUARDRAIL. ---NOTE---STATION 3E04 HAS NO VISIBLE OBSTRUCTIONS EXTENDING HIGHER THAN 15 DEGREES ABOVE THE HORIZON. STATION 3E04 IS 0.1 MILE EAST OF THE OPTIC ROAD AND 3.3 FEET WEST OF A WHITE PLASTIC WITNESS POST.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
899.024	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712	

Geoid Separations(ft): GEOID18 = -110.341 12B = -110.344 09 = -110.206 03 = -110.072

* No Horizontal Positions in the Database *



Mn/DOT Name: 4E05

NGS Name: 4E05

County: MONROE, WI (Sheet 1)

NGS ACRN: [DJ4532](#) [Get Map](#)
 NGS Quad / Sta Num : 44090333/
 USGS Quad: FOUR CORNERS

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SE	26	19 N	5 W	440509.10	905618.10	2	

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2004	2010	GOOD	Horz=? Vert=?	NO		FLUSH	STEEL ROD IMBED IN MON

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
CONCRETE MONUMENT (CAST-IN-PLACE)	SURVEY DISK	WIDT

Description: **Stamping:** 4E05 2005

TO REACH STATION 4E05 FROM THE JUNCTION OF STATE HIGHWAY 162 WITH STATE HIGHWAY 71 AT THE COMMUNITY OF FOUR CORNERS, 7.0 MILES SOUTHEAST OF THE VILLAGE OF MELROSE, AND 12.0 MILES NORTHWEST OF THE CITY OF SPARTA, GO NORTHWEST ON STATE HIGHWAY 71 FOR 1.5 MILES TO CANARY AVENUE RIGHT, TURN RIGHT AND GO EAST ON CANARY AVENUE FOR 0.05 MILE TO STATION 4E05 ON THE LEFT. STATION 4E05 IS 252.6 FEET EAST OF THE PRIVATE ENTRANCE --2724-- AND 32.5 FEET WEST OF THE CENTERLINE OF THE PRIVATE ENTRANCE --2800--. NOTE---VISIBLE OBSTRUCTIONS AT STATION 4E05 ARE TREES IN THE SOUTH AND WEST QUADRANTS EXTENDING TO 40 DEGREES ABOVE THE HORIZON.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Project Info</u>		
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
876.612	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712

Geoid Separations(ft): GEOID18 = -107.214 12B = -107.214 09 = -107.057 03 = -107.073

* No Horizontal Positions in the Database *



Mn/DOT Name: 4S02

NGS Name: 4S02

County: MONROE, WI (Sheet 1)

NGS ACRN: [DJ4784](#) [Get Map](#)
 NGS Quad / Sta Num : /
 USGS Quad: CATARACT

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SW	4	18 N	4 W	440340.15	905159.29	2	

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2005	2010	GOOD	Horz=? Vert=?	NO			SEE DESCRIPTION

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
WALL - HEAVY RETAINING	SURVEY DISK	WIDT

Description: Stamping: 4S02 2005

TO REACH STATION 4S02 FROM THE JUNCTION OF STATE HIGHWAY 27 WITH STATE HIGHWAY 71 ABOUT 9.0 MILES NORTH OF THE CITY OF SPARTA, GO WEST ON STATE HIGHWAY 71 FOR 0.2 MILE TO A BRIDGE OVER SPENCER CREEK AND STATION 4S02 ON THE LEFT. STATION 4S02 IS A BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION DJ4784'GEODETC SURVEY CONTROL STATION DISK SET IN THE TOP OF THE SOUTHWEST WING WALL OF THE BRIDGE --B-41-248--, ABOUT LEVEL WITH THE HIGHWAY PAVEMENT, 24.0 FEET SOUTH OF THE CENTERLINE OF STATE HIGHWAY 71. --NOTE--NO WITNESS POST SET FOR STATION 4S02. STATION 4S02 IS 3.3 FEET EAST OF A WHITE PLASTIC WITNESS POST. --NOTE--VISIBLE OBSTRUCTIONS AT STATION 4S02 ARE TREES TO THE SOUTH EXTENDING TO 40 DEGREES ABOVE THE HORIZON.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
864.818	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712	

Geoid Separations(ft): GEOID18 = -107.933 12B = -107.926 09 = -107.782 03 = -107.785

* No Horizontal Positions in the Database *



Mn/DOT Name: L 230

NGS Name: L 230

County: MONROE, WI (Sheet 1)

NGS ACRN: [ON0728](#) [Get Map](#)
 NGS Quad / Sta Num : 43090444/
 USGS Quad: BANGOR

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SE	31	17 N	4 W	435414.40	905358.30	2	

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
1985	2012	GOOD	Horz=? Vert=?	NO			MARKER IS STEEL ROD

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
STEEL ROD (NO SLEEVE) (DEPTH 40 FT)	METAL ROD	NGS

Description: **Stamping:** L 230 1985

TO REACH STATION L 230 FROM THE JUNCTION OF INTERSTATE HIGHWAY 90 WITH STATE HIGHWAY 162 ABOUT 1.0 MILE SOUTHWEST OF BANGOR, GO EAST ON INTERSTATE HIGHWAY 90 FOR 4.2 MILES TO THE OVERPASS OF COUNTY ROAD J, CONTINUE EAST ON INTERSTATE HIGHWAY 90 FOR 1.1 MILES TO STATION L 230 ON THE RIGHT. STATION L 230 IS A NATIONAL GEODETIC SURVEY STEEL ROD AND LOGO CAP VERTICAL CONTROL STATION ABOUT LEVEL WITH THE HIGHWAY PAVEMENT. STATION L 230 IS 87.3 FEET SOUTH OF THE CENTERLINE OF THE EASTBOUND LANES OF INTERSTATE HIGHWAY 90, 154.2 FEET SOUTHWEST OF A WOOD POST FOR 1.0 MILE MARKER NUMBER 21, 55.8 FEET SOUTHWEST OF A WOOD POST FOR AN --EMERGENCY STOPPING-- SIGN, 1.6 FEET EAST OF A CORNER FENCE POST, 1.0 FOOT NORTH OF A FENCE AND 0.7 FEET NORTH OF AN ORANGE FIBERGLASS WITNESS POST. ---NOTE---STATION L 230 HAS NO VISIBLE OBSTRUCTIONS EXTENDING HIGHER THAN 20 DEGREES ABOVE THE HORIZON.

Leveling-Derived Orthometric Heights (Feet)

<u>NAVD88</u>			<u>Ellipsoid (NAD83)</u>			<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>		<u>Year</u>	<u>Reference</u>	
783.260	.016	2/1				VERTICAL ADJUSTMENT	2012	00000712	

Geoid Separations(ft): GEOID18 = -107.726 12B = -107.729 09 = -107.579 03 = -107.536

* No Horizontal Positions in the Database *



Mn/DOT Name: SHULTE

NGS Name: SHULTE

County: MONROE, WI (Sheet 1)

NGS ACRN: [ON1121](#) [Get Map](#)
 NGS Quad / Sta Num : 43090414/
 USGS Quad: CITY ROCK

1/4	Sec	Twp	Rng	Reference Latitude	Reference Longitude	Vert Order	Horz Order
SE	2	16 N	3 W	435306.73	904127.08		B

Year Set	Last Recovery	Condition	Geodetic Usability	Photos	Bridge Num	F/P/R	Magnetic Properties
1930	2010	GOOD	Horz=YES Vert=YES	NO			SEE DESCRIPTION

Monument Type	Disk Type	Mon. Agency
CONCRETE MONUMENT (CAST-IN-PLACE)	TRIANGULATION STATION DISK	MNDT

Description: (1995) **Stamping:** SHULTE 1930

7.5 MILES SOUTHEAST OF SPARTA WISCONSIN, 0.9 MILE WEST ALONG TRUNK HIGHWAY 16 FROM THE JUNCTION OF TRUNK HIGHWAY 16 AND INTERSTATE HIGHWAY 90 (EXIT 28) THEN 5.05 MILES SOUTHEAST ON TRUNK HIGHWAY 71, THEN 3.0 MILES EAST ON COUNTY ROAD AA, THEN 0.1 MILE SOUTH ON TOWNSHIP ROAD, 63.0 FEET WEST OF TOWNSHIP ROAD, 46.6 FEET WEST OF A POWER POLE, 1.0 FOOT SOUTH OF THE EAST-WEST PROPERTY LINE, 1.0 FOOT EAST OF A WITNESS POST.

* No Leveling-Derived Orthometric Heights in the Database *

Non Leveling-Derived Orthometric and Ellipsoid Heights (Feet)

NAVD88

Orthometric Height			Ellipsoid (NAD83)			Project Info		
Height	Acc	Order (/Class)	Height	Acc	Adj	Determination Method	Year	Reference
1414.252	.098		1304.620	.030	2011	HORIZONTAL ADJUSTMENT	2012	GPS2800
			1304.722	.033	2007	HORIZONTAL ADJUSTMENT	2007	GPS2300
			1304.843	.049	1996	GPS - STATIC	1997	GPS805-B

NGVD29

Orthometric Height			Ellipsoid (NAD83)			Project Info		
Height	Acc	Order (/Class)	Height	Acc	Adj	Determination Method	Year	Reference
1414.400						GPS - STATIC	1991	HORZ

Geoid Separations(ft): GEOID18 = -109.557 12B = -109.560 09 = -109.468 03 = -109.350

Lat/Lon and County Coordinates (Feet)

NAD83(2011)

Geodetic Position		X	Y	Acc	Order	Determination Method	Project Info	
Latitude	Longitude						Year	Reference
43 53 06.72953	90 41 27.08297			.016		ADJUSTMENT	2012	GPS2800

NAD83(2007)

Geodetic Position		X	Y	Acc	Order	Determination Method	Project Info	
Latitude	Longitude						Year	Reference
43 53 06.72970	90 41 27.08373			.016		ADJUSTMENT	2007	GPS2300

NAD83(1996)

Geodetic Position		X	Y	Acc	Order	Determination Method	Project Info	
Latitude	Longitude						Year	Reference
43 53 06.72916	90 41 27.08287			.016	B	GPS - STATIC	1997	GPS805-B

NAD83(1986)

Geodetic Position		X	Y	Acc	Order	Determination Method	Project Info	
Latitude	Longitude						Year	Reference
43 53 06.72745	90 41 27.08938			.033	C	GPS - STATIC	1995	H1995

NAD27

Geodetic Position		X	Y	Acc	Order	Determination Method	Project Info	
Latitude	Longitude						Year	Reference
43 53 06.84000	90 41 26.62600			.100	B	CLASSICAL SURVEY	1950	UNK



State Plane and UTM Coordinates (Feet)

NAD83(2011)

		UTM - Zone 15		<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	Project Info	
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>				<u>Year</u>	<u>Reference</u>
		2248985.511	15950475.147	.016		ADJUSTMENT	2012	GPS2800

NAD83(2007)

		UTM - Zone 15		<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	Project Info	
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>				<u>Year</u>	<u>Reference</u>
		2248985.455	15950475.162	.016		ADJUSTMENT	2007	GPS2300

NAD83(1996)

		UTM - Zone 15		<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	Project Info	
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>				<u>Year</u>	<u>Reference</u>
		2248985.519	15950475.109	.016	B	GPS - STATIC	1997	GPS805-B

NAD83(1986)

		UTM - Zone 15		<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	Project Info	
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>				<u>Year</u>	<u>Reference</u>
		2248985.048	15950474.923	.033	C	GPS - STATIC	1995	H1995

NAD27

MN State Plane - South Zone

<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	Project Info	
							<u>Year</u>	<u>Reference</u>
				.100	B	CLASSICAL SURVEY	1950	UNK



Mn/DOT Name: TBM 105 L192

NGS Name: TBM 105

County: MONROE, WI (Sheet 1)

NGS ACRN: [BU5375](#) [Get Map](#)
 NGS Quad / Sta Num : 43090444/
 USGS Quad: BANGOR

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
SW	31	17 N	4 W	435421.00	905423.00		

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
1930	1930	GOOD	Horz=? Vert=?	NO			SEE DESCRIPTION

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
UNKNOWN	UNMONUMENTED	UNK

Description:

Stamping:

0.65 MILE EAST OF ROCKLAND, 0.52 MILE EAST ON EAST ROCK STREET FROM THE JUNCTION OF EAST ROCK STREET AND COUNTY ROAD J IN ROCKLAND, THEN CONTINUE 0.16 MILE EAST ON IBERIA AVENUE.

* No Horizontal or Vertical Positions in the Database *

Geoid Separations(ft): GEOID18 = -107.641 12B = -107.641 09 = -107.487 03 = -107.454