



Mn/DOT Name: SILO

NGS Name: SILO

County: BIG STONE, MN (Sheet 1)

NGS ACRN: [DK4029](#) [Get Map](#)
NGS Quad / Sta Num : 45096311/
USGS Quad: BIG STONE LAKE EAST

<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Reference</u> <u>Latitude</u>	<u>Reference</u> <u>Longitude</u>	<u>Vert</u> <u>Order</u>	<u>Horz</u> <u>Order</u>	<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>
SW	2	122 N	47 W	452356.44	963147.29		C	1999	2010	GOOD	Horz=YES Vert=YES	YES		FLUSH	MARKER W/BAR MAGNET

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
ALUMINUM ALLOY ROD (NO SLEEVE) (DEPTH 10 FT)	SURVEY DISK	MNDT

Description: (2007)

Stamping: SILO 1999

8.0 MILES NORTHWEST OF ORTONVILLE, 8.57 MILES NORTHWEST ALONG TRUNK HIGHWAY 7 FROM THE JUNCTION OF TRUNK HIGHWAY 12 AND TRUNK HIGHWAY 7 AT THE SOUTHEAST EDGE OF ORTONVILLE, THEN 0.52 MILE NORTH ON 780TH AVENUE, THEN 0.2 MILE EAST TO STATION SILO ON THE LEFT, 7.0 FEET WEST OF THE CENTER OF THE APPROACH, 25.0 FEET NORTH OF 350TH STREET.

* No Leveling-Derived Orthometric Heights in the Database *

Non Leveling-Derived Orthometric and Ellipsoid 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>
			994.726	.007	2011	HORIZONTAL ADJUSTMENT	2012	GPS2800
			994.850	.066	2007	HORIZONTAL ADJUSTMENT	2009	GPS2417-B
1080.313	.131		994.962	.066	1996	HORIZONTAL ADJUSTMENT	2008	GPS2417
1080.313	.131		994.962	.066	1996	GPS - STATIC	2007	HBIGS

Geoid Separations(ft): GEOID18 = -85.587 12B = -85.590 09 = -85.479 03 = -85.410

Lat/Lon and County Coordinates (Feet)

<u>NAD83(2011)</u>		<u>Big Stone County</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>
45 23 56.44503	96 31 47.28822	376742.369	190357.176	.007		ADJUSTMENT	2012	GPS2800
<u>NAD83(2007)</u>		<u>Big Stone County</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>
45 23 56.44490	96 31 47.28913	376742.304	190357.163	.033	C	ADJUSTMENT	2009	GPS2417-B
<u>NAD83(1996)</u>		<u>Big Stone County</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>
45 23 56.44431	96 31 47.28863	376742.339	190357.103	.033	C	ADJUSTMENT	2008	GPS2417
45 23 56.44431	96 31 47.28863	376742.339	190357.103	.033	C	GPS - STATIC	2007	HBIGS

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>
1974881.575	1212714.782	734045.546	16513550.037	.007		ADJUSTMENT	2012	GPS2800
<u>NAD83(2007)</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>
1974881.509	1212714.771	734045.481	16513550.027	.033	C	ADJUSTMENT	2009	GPS2417-B
<u>NAD83(1996)</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>
1974881.543	1212714.710	734045.514	16513549.966	.033	C	ADJUSTMENT	2008	GPS2417
1974881.543	1212714.710	734045.514	16513549.966	.033	C	GPS - STATIC	2007	HBIGS



Station Photos

<u>Type</u>	<u>File Name</u>
Location:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/big_stone/SILO-DK4029-3N-02FEB2007.jpg
Monument:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/big_stone/SILO-DK4029-2-02FEB2007.jpg
Disk:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/big_stone/SILO-DK4029-1-02FEB2007.jpg

** All station images can be viewed at: <ftp://ftp.olmweb.dot.state.mn.us/geod/StationPhotos> **

<u>Dir</u>	<u>Date</u>
N	Feb 2, 2007
	Feb 2, 2007
	Feb 2, 2007