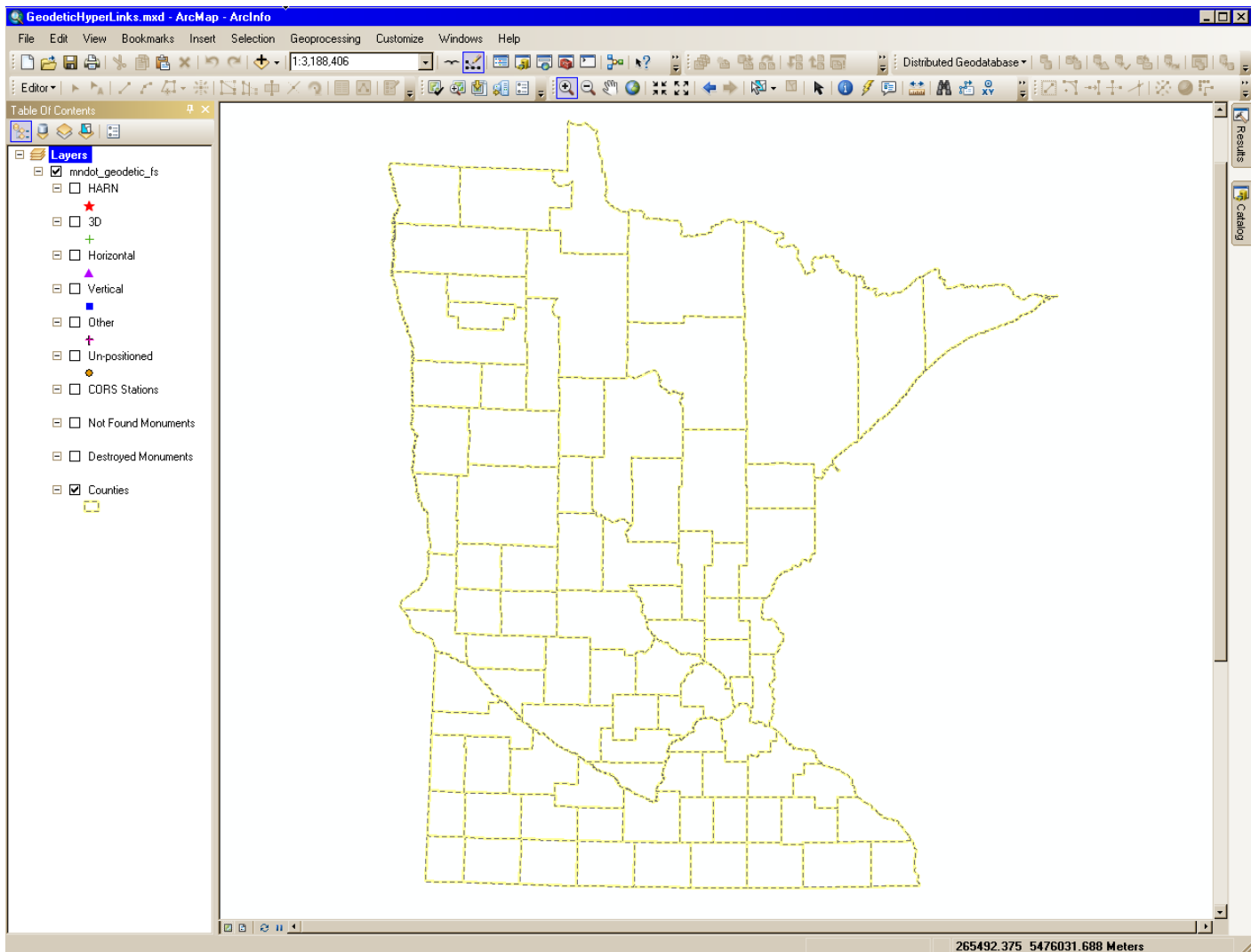
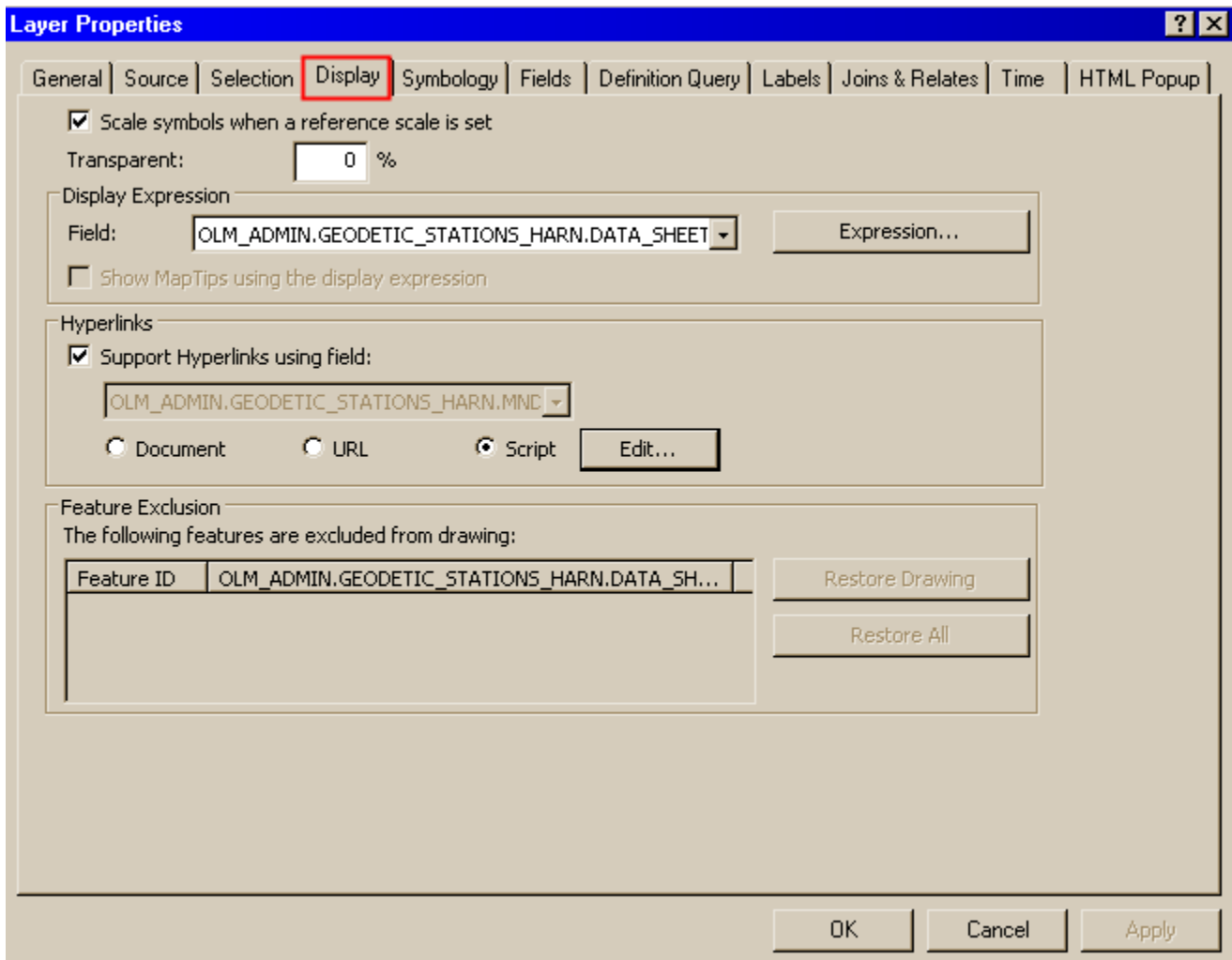


# Hyperlinking MnDOT Data Sheets in the Geodetic Feature Service in ArcGIS 10.0

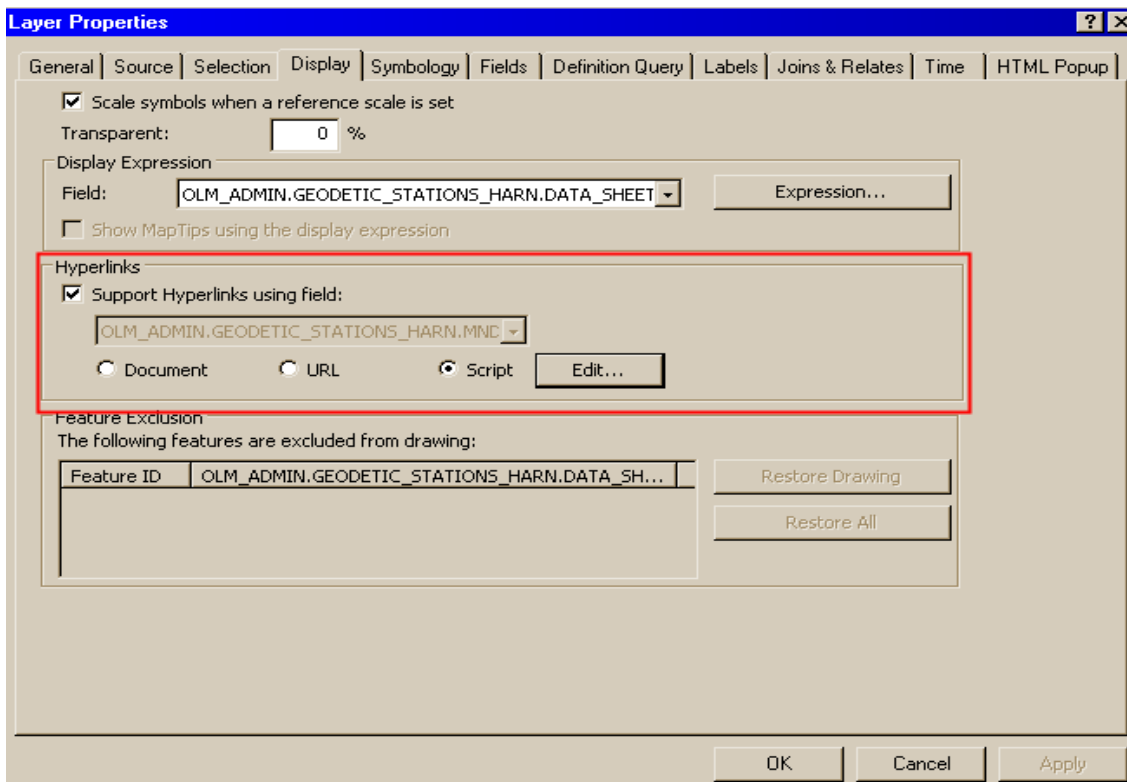
1. Add the Geodetic Feature Service. Download instructions can be found at the [Geodetic Unit's website](#).



2. Create a new HyperLink Script by opening the properties of the **HARN** layer and selecting the **Display** tab.

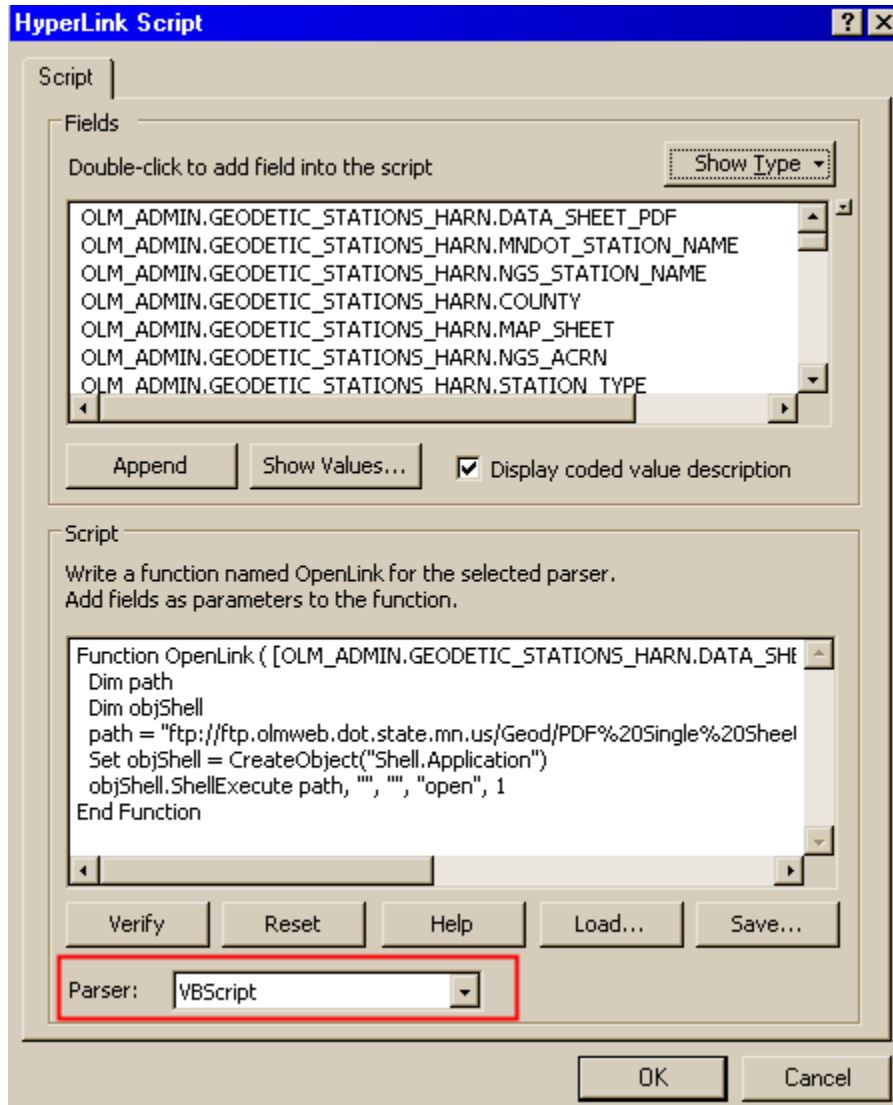


3. Check **Support Hyperlinks using field** box. In the dropdown, select **OLM\_ADMIN.GEODETIC\_STATIONS\_HARN.DATA\_SHEET\_PDF**. Select **Script** and then click the **Edit...** button.



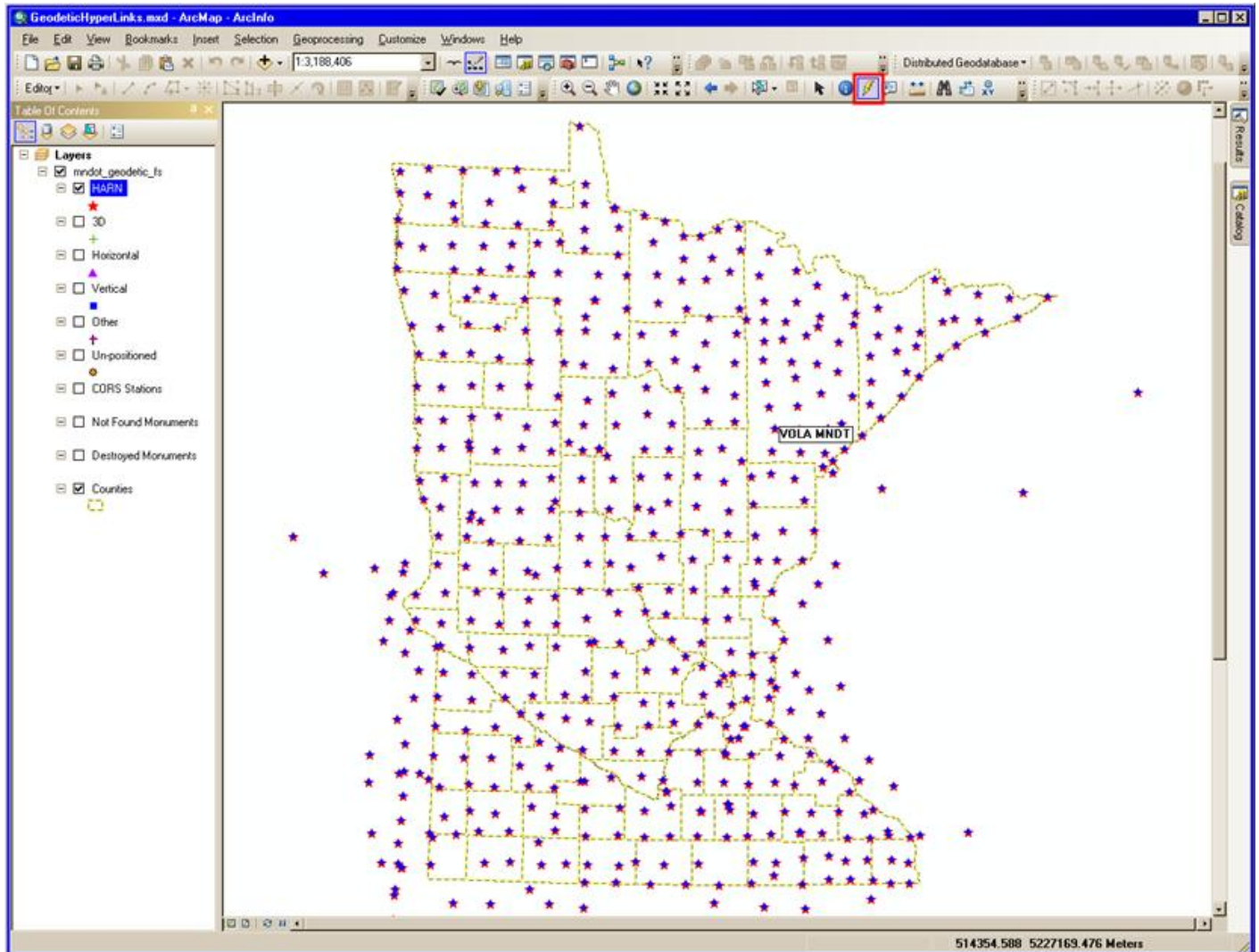
4. Create the HyperLink Script. Remove any existing code in the **Script** window and replace it with the code below:

```
Function OpenLink ([OLM_ADMIN.GEODETTIC_STATIONS_HARN.DATA_SHEET_PDF])
  Dim path
  Dim objShell
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM_ADMIN.GEODETTIC_STATIONS_HARN.DATA_SHEET_PDF] + ".pdf"
  Set objShell = CreateObject("Shell.Application")
  objShell.ShellExecute path, "", "", "open", 1
End Function
```



Make sure the **Parser** dropdown has **VBScript** selected. Hit **OK**.

5. Turn on the **HARN** layer in the table of contents, and select the Hyperlink tool (lightning bolt on the tools toolbar) and test the Script by clicking on one of the **HARN** points.



6. The Data Sheet for that monument should open in your default browser window as a PDF.

**Geodetic Data Sheet (Feet)**  
**GSID Station # 13034**  
**DRIZZT MNDT**  
 07/19/2013  
[Sheet Help](#)

Mn/DOT Name: DRIZZT MNDT  
 County: ITASCA, MN (Sheet 3)  
 NGS Name: DRIZZT

Reference Longitude: 474118.00  
 Reference Latitude: 933219.25  
 Vert Order: 2  
 Horiz Order: B

NGS ACRN: [AB9272](#) [Get Map](#)  
 NGS Quad / Sta Num: 47093421/  
 USGS Quad: COON LAKE

Year Set: 1995  
 Last Recovery: 2010  
 Condition: GOOD  
 Geodetic Usability: YES  
 Photos: YES  
 Bridge Num:  
 F/P/R: FLUSH  
 Magnetic Properties: STEEL SPIKE ADJ TO MON

Monument Type: STEEL ROD (NO SLEEVE) (DEPTH 16 FT)  
 Monument Agency: MNDT  
 Disk Type: FLANGE-ENCASED ROD

Description: (2008) Stamping: DRIZZT 1995  
 7.0 MILES SOUTHEAST OF BIG FORK, 8.7 MILES SOUTHEAST ALONG COUNTY ROAD 7 FROM JUNCTION OF TRUNK HIGHWAY 38 AND COUNTY ROAD 7 IN BIG FORK, 40.5 FEET NORTHEAST OF COUNTY ROAD 7, 94.5 FEET SOUTHWEST OF COUNTY ROAD 344, 155.7 FEET NORTHWEST OF POWER POLE, 22.5 FEET NORTHWEST OF ENTRANCE, 2.8 FEET SOUTHWEST OF WITNESS POST.

**Leveling-Derived Orthometric Heights (Feet)**

NAVD88			Ellipsoid (NAD83)			Determination Method		Project Info	
Height	Acc	Order (Class)	Height	Acc	Adj		Year	Reference	
1415.555	.016	2/1				VERTICAL ADJUSTMENT	2010	00000425-37	
1415.552	.016	2/1				VERTICAL CONTROL SURVEY	2007	VDRIZ	

**Non Leveling-Derived Orthometric and Ellipsoid Heights (Feet)**

NAVD88			Ellipsoid (NAD83)			Determination Method		Project Info	
Height	Acc	Order (Class)	Height	Acc	Adj		Year	Reference	
1415.548	.131		1319.463	.006	2011	HORIZONTAL ADJUSTMENT	2012	GPS2800	
1415.548	.131		1319.554	.066	2007	HORIZONTAL ADJUSTMENT	2011	GPS2802	
1415.548	.131		1319.554	.066	2007	GPS - STATIC	2010	HASCA	
1415.548	.131		1319.610	.066	1996	GPS - STATIC	2010	HASCA	
1415.516	.131		1319.554	.008	2007	HORIZONTAL ADJUSTMENT	2007	GPS2300	
1415.581	.098		1319.610	.066	1996	HORIZONTAL ADJUSTMENT	2004	GPS2026	
1415.483	.131		1319.610	.049	1996	GPS - STATIC	2004	GPS1954	
1415.483	.131		1319.610	.066	1996	HORIZONTAL ADJUSTMENT	2002	GPS1723	
1415.483	.131		1319.610	.066	1996	GPS - STATIC	2002	HTALM	
1415.483	.131		1319.610	.066	1996	HORIZONTAL ADJUSTMENT	2001	GPS1619	
1415.516	.131		1319.610	.066	1996	GPS - STATIC	2001	HEFFI	
1415.647	.098		1319.610	.049	1996	GPS - STATIC	1996	GPS0805	
1415.516	.131		1319.610	.066	1996	GPS - STATIC	1990	HMAR	

Geoid Separations(ft): GEOID1A = -96.040 GEOID09 = -95.955 GEOID03 = -95.971 [More](#)

**Lat/Long and County Coordinates (Feet)**

NAD83(2011)		Itasca County - North Zone		Project Info				
Latitude	Longitude	X	Y	Acc	Order	Determination Method	Year	Reference
47 41 17.99861	93 32 19.25209	547946.807	168763.307	.007		ADJUSTMENT	2012	GPS2800

NAD83(2007)		Itasca County - North Zone		Project Info				
Latitude	Longitude	X	Y	Acc	Order	Determination Method	Year	Reference
47 41 17.99849	93 32 19.25300	547946.745	168763.295	.033	C	ADJUSTMENT	2011	GPS2802
47 41 17.99849	93 32 19.25300	547946.745	168763.295	.033	C	GPS - STATIC	2010	HASCA
47 41 17.99849	93 32 19.25300	547946.745	168763.295	.007		ADJUSTMENT	2007	GPS2300

NAD83(1996)		Itasca County - North Zone		Project Info				
Latitude	Longitude	X	Y	Acc	Order	Determination Method	Year	Reference
47 41 17.99816	93 32 19.25286	547946.754	168763.262	.033	C	GPS - STATIC	2010	HASCA
47 41 17.99816	93 32 19.25286	547946.754	168763.262	.033	C	ADJUSTMENT	2004	GPS2026

7. Once you've verified it works. You can build HyperLinks for the remaining Geodetics layers you need, using the same steps above. Then save everything to an **MXD**.  
 Keep in mind that the field for the **Support Hyperlinks using field** dropdown should be used in the corresponding layers. Also, each HyperLink script needs to be modified in 2 spots to correspond with the layer that is using it.  
**Remaining Geodetics layers to setup hyperlinks:**

**3D**

**Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_3D.DATA\_SHEET\_PDF**

**Script:**

Function OpenLink ( [OLM\_ADMIN.GEODETTIC\_STATIONS\_3D.DATA\_SHEET\_PDF] )

Dim path

Dim objShell

path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM\_ADMIN.GEODETTIC\_STATIONS\_3D.DATA\_SHEET\_PDF] + ".pdf"

Set objShell = CreateObject("Shell.Application")

objShell.ShellExecute path, "", "", "open", 1

End Function

## Horizontal

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_HORIZ.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_HORIZ.DATA_SHEET_PDF] )
  Dim path
  Dim objShell
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM_ADMIN.GEODETTIC_STATIONS_HORIZ.DATA_SHEET_PDF] + ".pdf"
  Set objShell = CreateObject("Shell.Application")
  objShell.ShellExecute path, "", "", "open", 1
End Function
```

## Vertical

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_VERT.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_VERT.DATA_SHEET_PDF] )
  Dim path
  Dim objShell
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM_ADMIN.GEODETTIC_STATIONS_VERT.DATA_SHEET_PDF] + ".pdf"
  Set objShell = CreateObject("Shell.Application")
  objShell.ShellExecute path, "", "", "open", 1
End Function
```

## Other

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_OTHER.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_OTHER.DATA_SHEET_PDF] )
  Dim path
  Dim objShell
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM_ADMIN.GEODETTIC_STATIONS_OTHER.DATA_SHEET_PDF] + ".pdf"
  Set objShell = CreateObject("Shell.Application")
  objShell.ShellExecute path, "", "", "open", 1
End Function
```

## Un-positioned

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_UNPOS.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_UNPOS.DATA_SHEET_PDF] )
  Dim path
  Dim objShell
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/" + [OLM_ADMIN.GEODETTIC_STATIONS_UNPOS.DATA_SHEET_PDF] + ".pdf"
  Set objShell = CreateObject("Shell.Application")
  objShell.ShellExecute path, "", "", "open", 1
End Function
```

## CORS Stations

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_ CORS.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_ CORS.DATA_SHEET_PDF] )  
  Dim path  
  Dim objShell  
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/"+ [OLM_ADMIN.GEODETTIC_STATIONS_ CORS.DATA_SHEET_PDF]+".pdf"  
  Set objShell = CreateObject("Shell.Application")  
  objShell.ShellExecute path, "", "", "open", 1  
End Function
```

## Not Found Monuments

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_ NOT\_FOUND.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_ NOT_FOUND.DATA_SHEET_PDF] )  
  Dim path  
  Dim objShell  
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/"+ [OLM_ADMIN.GEODETTIC_STATIONS_ NOT_FOUND.DATA_SHEET_PDF]+".pdf"  
  Set objShell = CreateObject("Shell.Application")  
  objShell.ShellExecute path, "", "", "open", 1  
End Function
```

## Destroyed Monuments

Field: OLM\_ADMIN\_GEODETTIC\_STATIONS\_ DEST.DATA\_SHEET\_PDF

### Script:

```
Function OpenLink ( [OLM_ADMIN.GEODETTIC_STATIONS_ DEST.DATA_SHEET_PDF] )  
  Dim path  
  Dim objShell  
  path = "ftp://ftp.olmweb.dot.state.mn.us/Geod/PDF%20Single%20Sheet/"+ [OLM_ADMIN.GEODETTIC_STATIONS_ DEST.DATA_SHEET_PDF]+".pdf"  
  Set objShell = CreateObject("Shell.Application")  
  objShell.ShellExecute path, "", "", "open", 1  
End Function
```