# **OpenRoads Survey: Reports**

# **Generating CSV Reports for Selected Points**

Two custom report formats are available in the OHDOT Standards for point reports. Each is documented below.

#### **Point Reports**

The OHDOT Standards provide various customized reports for generating a CSV file with the point properties such as point number, northing, easting, elevation, etc.

#### Horizontal Point Report

The **Horizontal Point Report** is used to generate a report in ASCII format for selected points. Take the following steps to generate the report:

• Select Survey > Geometry > Reports > Horizontal Point Report as shown below



• When prompted, select each point that is to be included in the report. Right-click when you have completed your selection

<- LocateFirstPointElement ->
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The default report is opened. Take the following steps to access the ODOT report:

• From the *Civil Report Browser* dialog, select Tools > Style Sheet Root

Note: In this release of the software, you cannot browse to a folder within ProjectWise. The workaround is to export an unmanaged copy of the Ohio DOT Projects\03 Standards\CADD Standards\CONNECT\_Config\WorkSpaces\OHDOTCEv01\Standards\OHDOT Reports folder and its content to a local folder. In the example below, the folder was copied to C:\Temp\

• Select the OHDOT\_Points\_NameNEZCode\_ASCII.xsl report as shown below.

File Tools Help		
C:\Temp\Reports	PointName, Northing, Easting, Elevation, Code	
OHDOT_Points_NameNEZCode_ASCII.xsl OHDOT_Points_NameStaOffNEZCode_ASCII.xsl	IFS1,782410.571,1836438.313,0.000,Point\Control and Monuments\Monument Points\P_Iron_Pin_with_ID_Cap_Set IFS2,782134.384,1836417.186,0.000,Point\Control and Monuments\Monument Points\P_Iron_Pin_with_ID_Cap_Set SV108,782207.074,11836616.657,902.393,IFID SV109,782319.582,1836578.681,902.393,IFID SV110,782407.586,1836590.323,902.838,IFID	

In the example above, two Geometry Points and three Survey Points were selected.

The Code for Geometry Points will include the full path for the feature name as shown above.

The report can be saved as a CSV file as follows:

- From the *Report Browser* dialog, select File > Save As
  - Enter a name for the file
  - Select the **Text File (\*.txt)** option for the **Save as type** parameter
  - Browse to the location where the file will be saved.
  - Note: In this release of the software, you cannot browse to a ProjectWise folder location.
  - Select the **Save** icon

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#### Point Feature Station Offset Elevation Report

The **Point Feature Station Offset Elevation Report** is used to generate a report in ASCII format for a selected alignment and points. Take the following steps to generate the report:

• Select **Survey > Geometry > Reports > Point Feature Station Offset Elevation Report** as shown below

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- When prompted, select the baseline geometry element that is used as the station and offset reference.
- Next, select each point element to be included in the report. Right-click when you have completed your selection

The default report is opened. Take the following steps to access the ODOT report:

• From the *Civil Report Browser* dialog, select **Tools > Style Sheet Root** 

Note: In this release of the software, you cannot browse to a folder within ProjectWise. The workaround is to export an unmanaged copy of the Ohio DOT Projects\03 Standards \CADD Standards\CONNECT\_Config\WorkSpaces\OHDOTCEv01\Standards\OHDOT Reports folder and its content to a local folder. In the example below, the folder was copied to C:\Temp\

• Select the **OHDOT\_Points\_NameStaOffNEZCode\_ASCII.xsl** report as shown below.

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File Tools Help				
C:\Temp\Reports	PointName, Alignment, Station, Offset, Northing, Easting, Elevation, Co	de		~
OHDOT_Points_NameNEZCode_ASCII.xsl OHDOT_Points_NameStaOffNEZCode_ASCII.xsl	<pre>IPS2,CLX_I71,269+96.68,-531.16,782134.35,1836417.19,,Point\Contr SV108,CLX_I71,270+81.54,-336.54,782207.07,1836616.66,902.93,IPID SV109,CLX_I71,271+91.50,-381.37,782319.58,1836578.68,902.39,IPID IPS1,CLX_I71,272+73.68,-527.07,782410.57,1836438.31,Point\Contr SV110,CLX_I71,272+80.05,-375.17,782407.59,1836590.32,902.84,IPID</pre>	ol an	d Monur	n n
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In the example above, two Geometry Points and three Survey Points were selected.

The Code for Geometry Points will include the full path for the feature name as shown above.

The report can be saved as a CSV file as follows:

- From the *Report Browser* dialog, select **File > Save As** 
  - Enter a name for the file
  - Select the **Text File (\*.txt)** option for the **Save as type** parameter
  - Browse to the location where the file will be saved.
     Note: In this release of the software you cannot browse to a ProjectWise folder location.
  - Select the **Save** icon

## **Parcel Reports**

The OHDOT Standards provide various custom reports for parcel areas as described below.

#### Metes and Bounds Report

The metes and bounds report is used to generate a simple listing of the bearings, distances, curve data, etc. for a selected boundary element. This information is then inserted into the appropriate RX form. The various parcel forms are found on the ODOT website:

http://www.dot.state.oh.us/Divisions/Engineering/RealEstate/row/Pages/RX Forms.aspx

Take the following steps to generate a metes and bounds report:

- Use the MicroStation Select Element tool to select the desired geometry element
- Allow the cursor to rest over the selected element until the pop-up menu appears
- Choose the Horizontal Geometry Report icon. The default report for the selected element is displayed.
- From the *Civil Report Browser* dialog, select **Tools > Style Sheet Root**

Note: In this release of the software, you cannot browse to a folder within ProjectWise. The workaround is to export an unmanaged copy of the Ohio DOT Projects\03 Standards \CADD Standards \CONNECT\_Config\WorkSpaces\OHDOTCEv01\Standards\OHDOT Reports folder and its content to a local folder. In the example below, the folder was copied to C:\Temp\

• Select the OHDOT\_LegalDescription\_MetesAndBounds.xsl report as shown below

File Tools Help							
C\Temp\Reports           OHDOT_LegalDescription_MetesAndBoundsxs1           OHDOT_Points_NameNEZCode_ASCILxs1           OHDOT_Points_NameStaOffNEZCode_ASCILxs1	Metes and Bounds Report PARCEL: Parcel 3 Report Created: Thursday, May 30, 2019 Time: 12:46:10 PM						
	Commencing S89°07'29"E along [DESCRIBE LINE], a distance of 152.11 feet ; Thence S07°32'09"W along [DESCRIBE LINE], a distance of 89.43 feet ; Thence S20°37'53"E along [DESCRIBE LINE], a distance of 183.82 feet ; Thence S86°39'38"W along [DESCRIBE LINE], a distance of 226.65 feet ; Thence N04°22'26"E along [DESCRIBE LINE], a distance of 277.03 feet to the Principle Point of Beginning and enclosing						

• The report can be saved by choosing the **File > Save As** option



## **Report Browser Format Options**

The output format for reports can be set by selecting **Tools > Format Options** from the *Report Browser* dialog.

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Acres/Hectares:			0.12	v			
Area Units:			0.12	v			
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The **Format Options** for most ODOT projects should be set like the example shown above.

Changes to these settings are dynamically applied to the current report when the dialog is closed.

These settings are stored in the registry for the user and will be maintained the next time a report is generated.

## **OpenRoads Software Version**

This document was prepared using the following software version:

OpenRoads Designer CONNECT Edition - 2020 Release 2 - Update 8 - Version 10.08.01.33

## Contacts

For any questions, suggestions, or problems with this document please contact the ODOT Office of CADD and Mapping Services by use of the following form on the ODOT website:

https://odot.formstack.com/forms/cadd servicerequest

