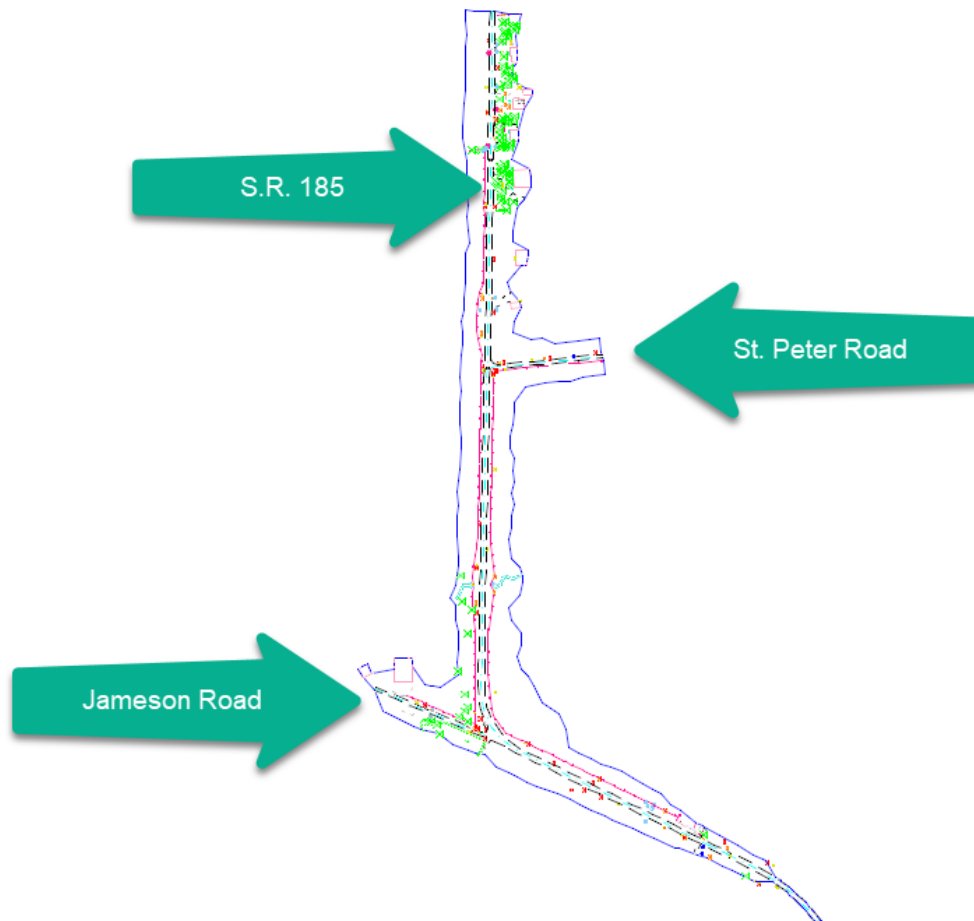




OpenRoads Designer: Geometry Basemaps Exercise

Geometry Exercises

The sample project uses three alignments as listed below. Each alignment will be contained in its own design file.





Exercise A - Geometry Basemaps

For the sample project, the Survey personnel have created a design files containing the existing survey information:

File Name	Content
300-Survey\Basemaps\123456_FB001.dgn	Survey mapping and the existing ground terrain

In this exercise we will create multiple design files to house the proposed geometry for the project.

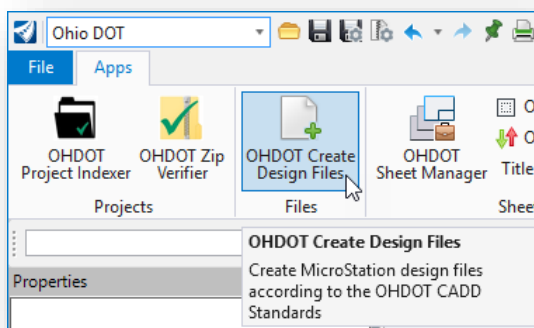
- ✓ Open **ProjectWise Explorer**



- ✓ Browse to the folder containing the training data. The folder location will be provided by the instructor for each class.
- ✓ Browse to the **400-Engineering\Roadway\Basemaps** folder.

Create new design files for the project using the **OHDOT Create Design Files** application. To create these files, one of the existing BK files may be opened. If there are not any basemap design files defined for the existing geometry one of the seed files can be opened.

- ✓ Browse to the **990-WorkSetStandards\Seed** folder.
- ✓ Open the **123456_DesignSeed2d.dgn** file from the **990-WorkSetStandards\Seed** folder.
- ✓ Select the **Ohio DOT** Workflow
- ✓ Select the **OHDOT Create Design Files** application



The design for St. Peter Road will not require a new proposed alignment. The existing alignment for St. Peter Road will be used to design the improvements for St. Peter Road; therefore, a new geometry basemap for St. Peter Road will not be created.



- ✓ Create three new geometry basemaps for the project as follows:

File Name	Comments
123456_BK001.dgn	Proposed S.R. 185
123456_BK002.dgn	Proposed Jameson St. Peter Road
123456_BK003.dgn	Proposed Jameson Road

- ✓ Exit OpenRoads Designer, checking the file back in to ProjectWise. This completes this exercise.



OpenRoads Software Version

This document was prepared using the following software version:

OpenRoads Designer CONNECT Edition – 2021 Release 1 Update 10 – Version 10.10.01.03

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
