SS4 Survey To Open Roads Survey



SS4 Survey To Open Roads Survey

Processes

1. Field Survey
2. Aerial Lidar and Mobile Scan

Design

SS4 Survey To Open Roads Survey

Field Survey

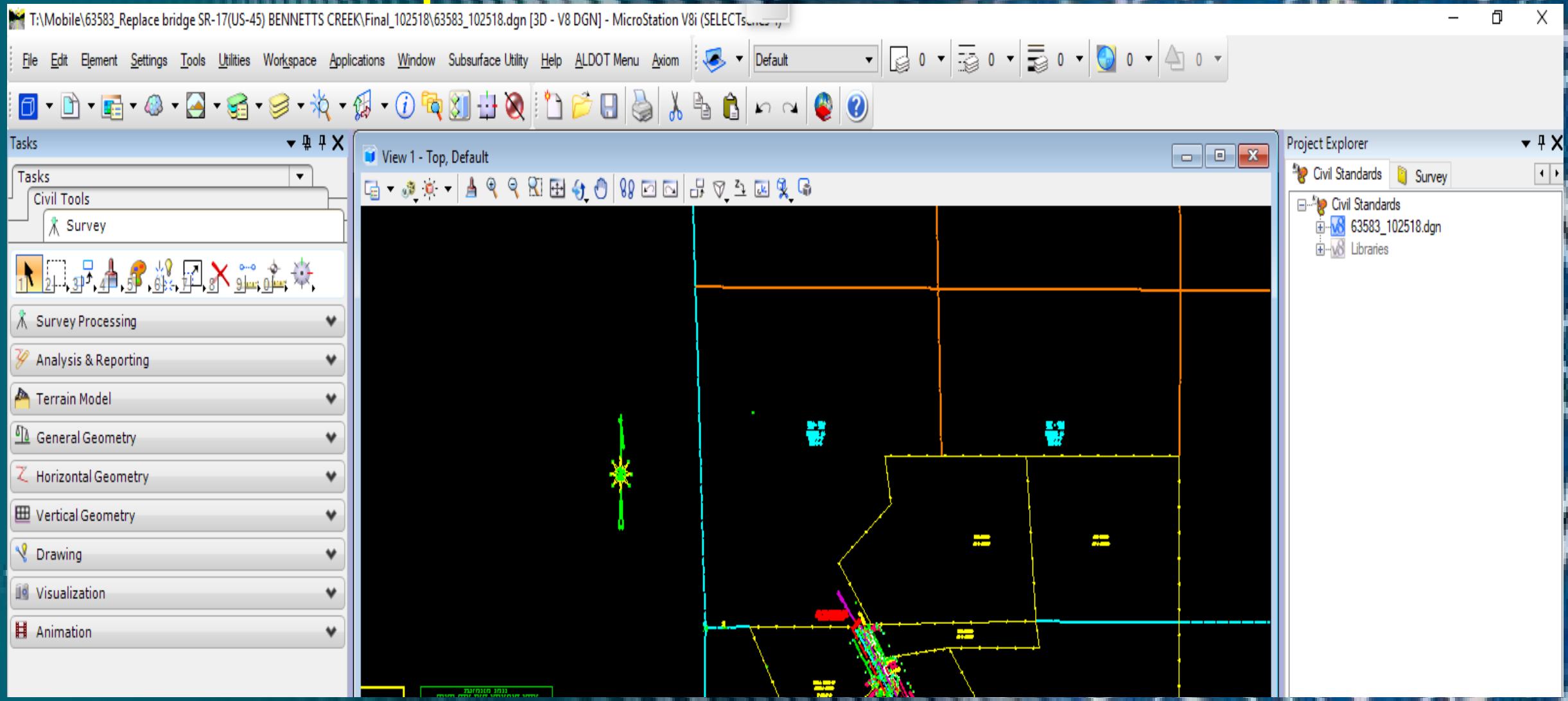
1. Field Procedures
2. Setup
3. Downloading
4. Editing
5. Final Files
6. Legacy Projects

SS4 Survey To Open Roads Survey

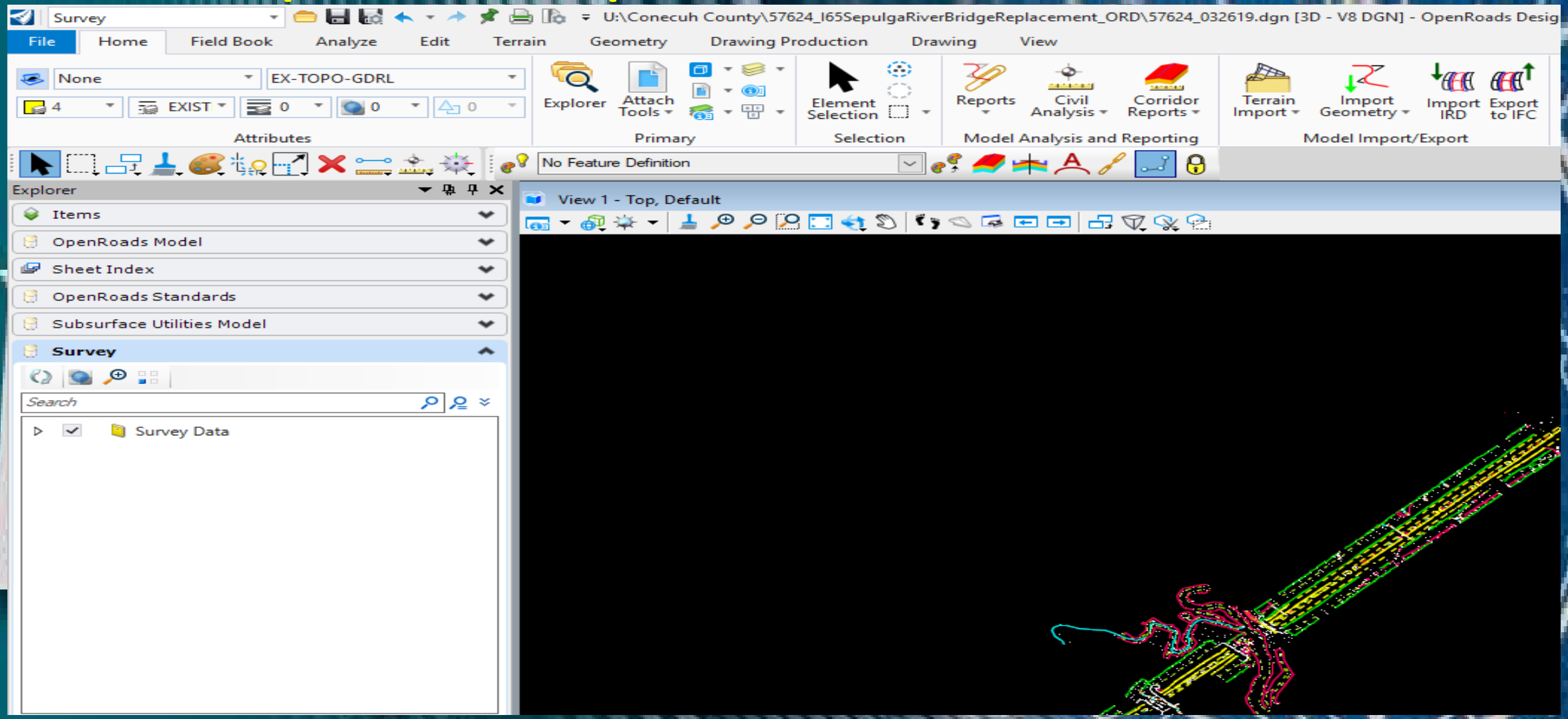
Field Survey

- Field collection changed 3 years ago when we started using SS4 for our CADD program.
- Biggest change with that was the point codes used were doubled.
- Fear of change

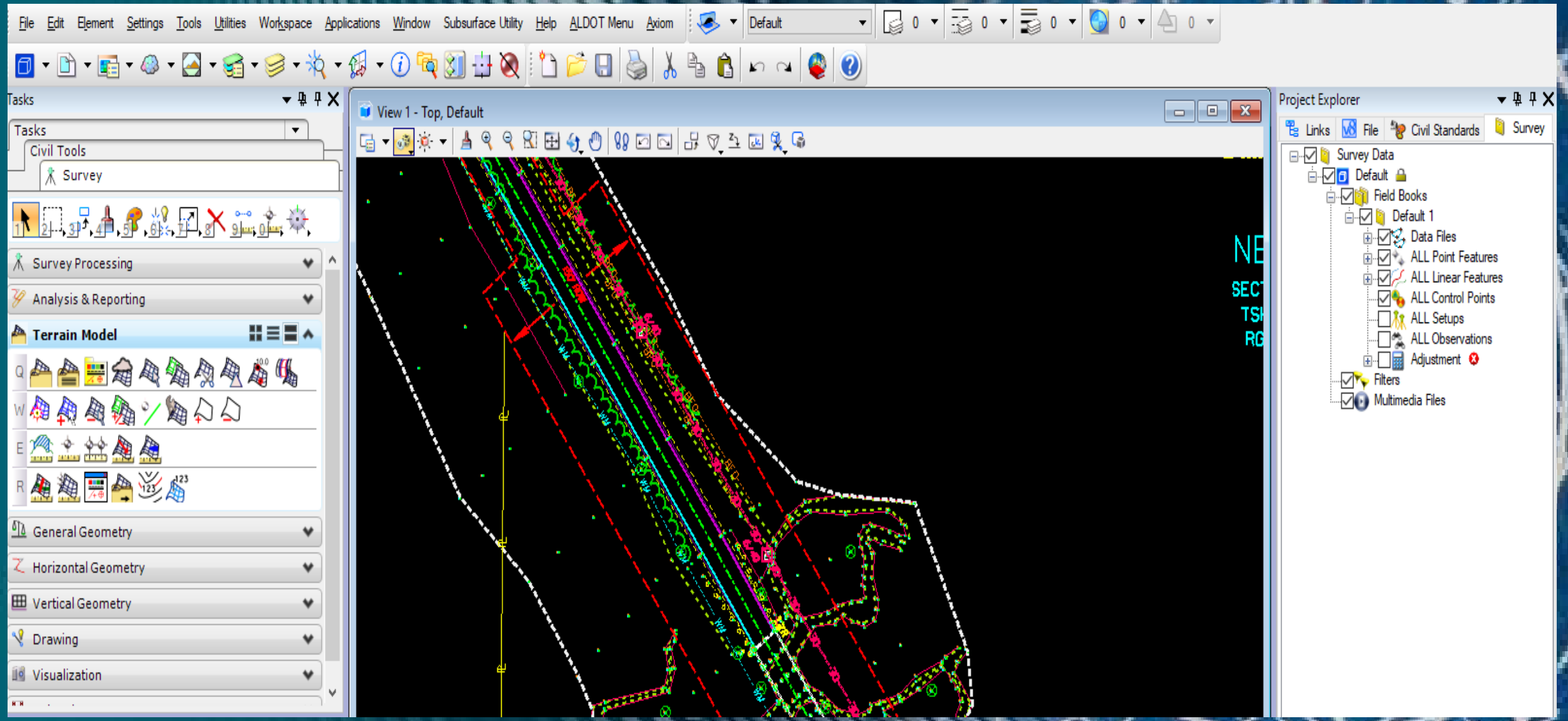
Setup for SS4



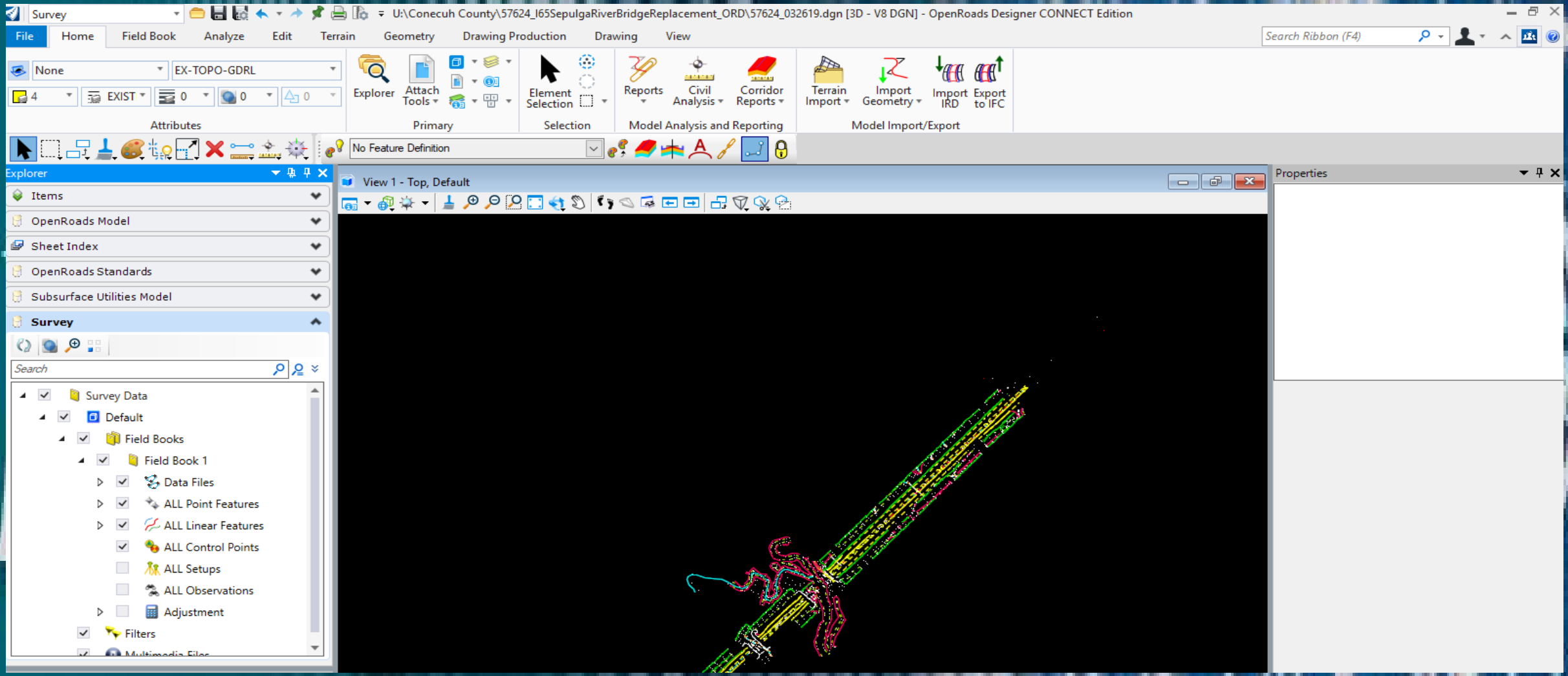
Setup for Open Roads



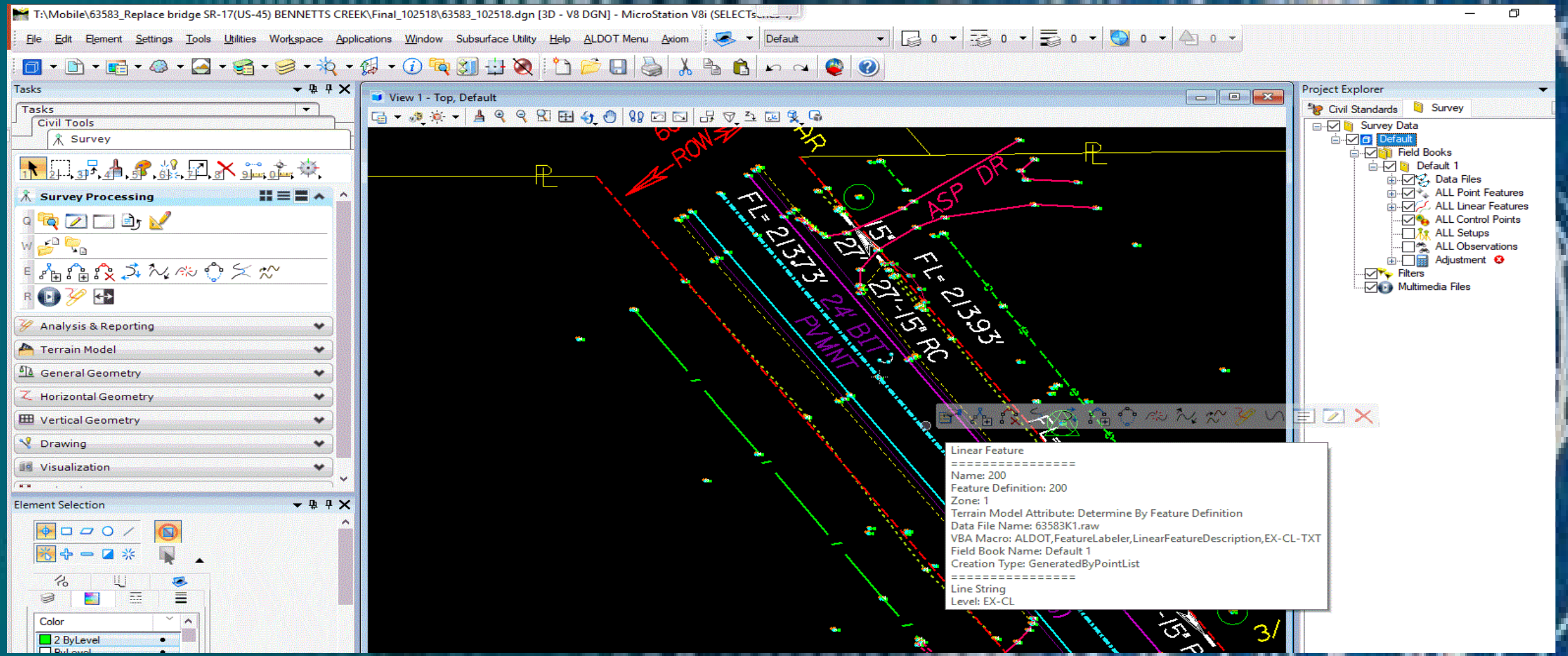
Downloading for SS4



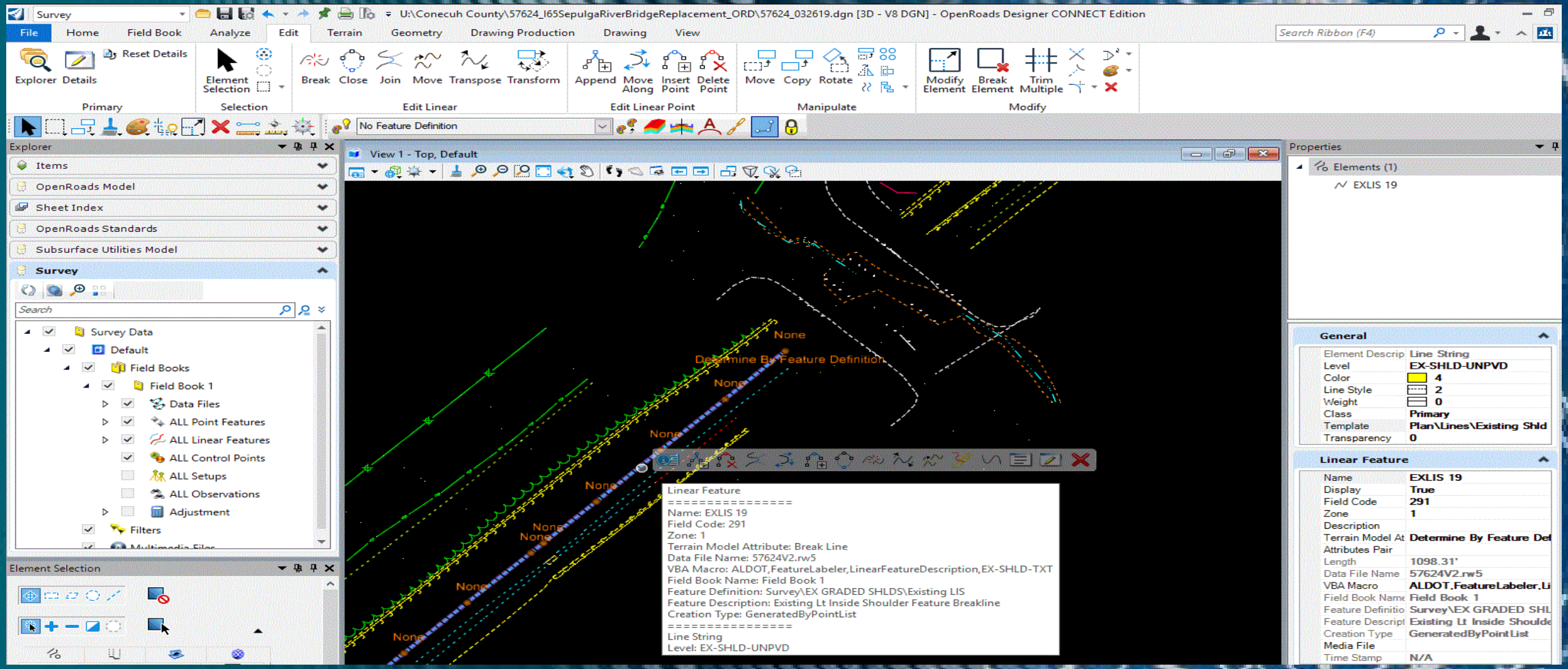
Downloading for Open Roads



Editing for SS4



Editing for Open Roads



Preparing Final Files for SS4 and ORD



Preparing Final Files For SS4 and ORD

So what's the difference?

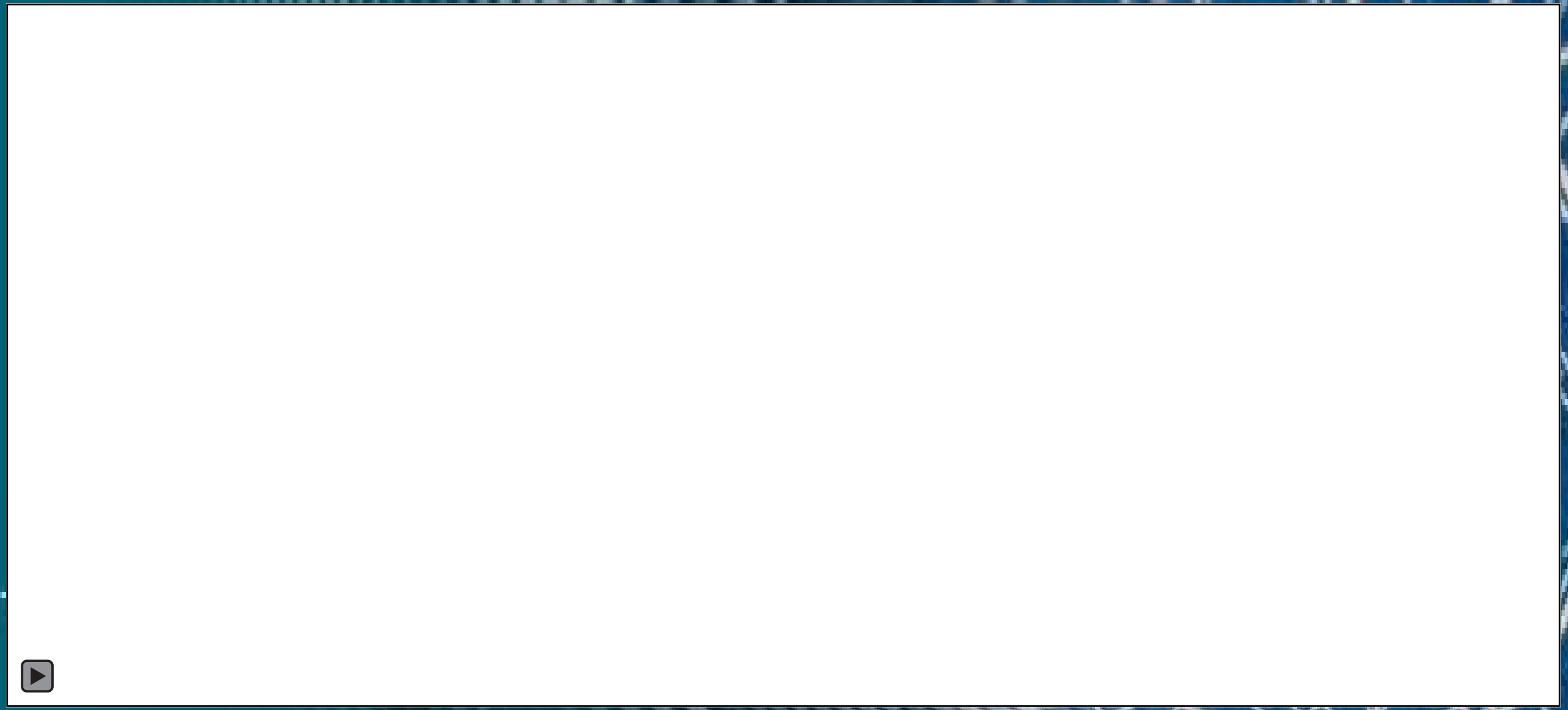
- Field survey is collected the same way
- Setup, downloading, editing are all the same.
- Final Product
  1. Editing the terrain
  2. SS4 a .DTM file is exported
  3. ORD the DTM is saved as a .DGN

Legacy Projects

- What do we do with old data?
- Terramodel
  - Graphics file
  - Land XML
- SS4
- Geometry

Legacy Projects SS4 to ORD

Legacy Projects



Lidar and Mobile Scan Files

- SS4 is a 32-bit program
- ORD is a 64-bit program
- Lidar and mobile scan extractions started using MicroStation Connect about a year and a half ago which is ORD's platform.
- Currently work is performed in Connect and then exported and loaded in InRoads.

Lidar and Mobile Scan Files