

Unmanned Aerial Systems

West Virginia Department of Transportation





WVDOH UAS EQUIPMENT/ASSETS

- Phantom 4 Pro
- Skydio 2 +
- Matrice 300 RTK
- Redtail Lidar System
- Zenmuse P1
- Aerial Survey Targets

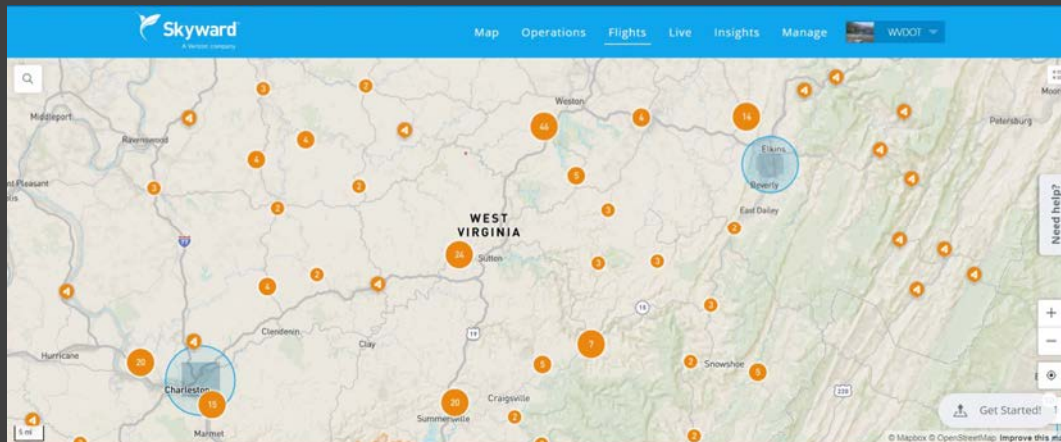
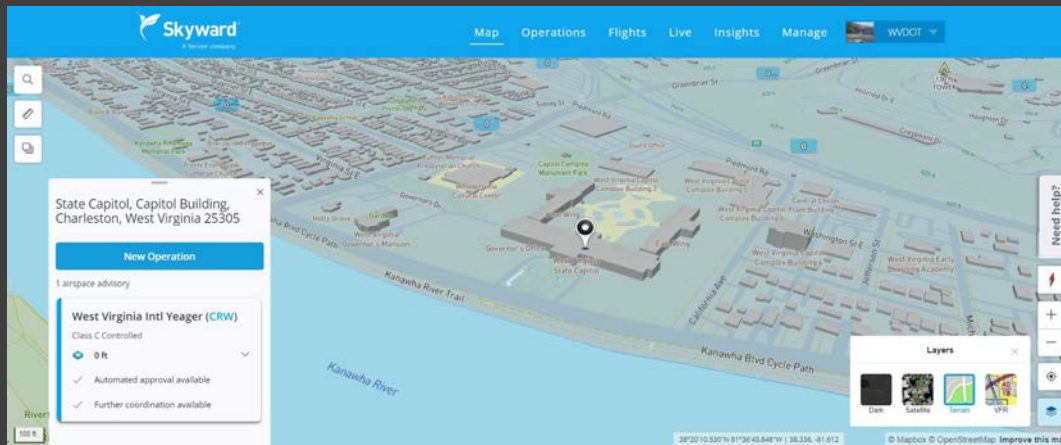


DroneDeploy



Software and App solutions

- Skyward io
- Drone deploy
- Bentley Context Capture
- Skydio Enterprise
- B4UFLY
- UAV Forecast
- Flightradar24
- DJI GO 4
- DJI Fly
- Litchi



- **SKYWARD IO**
- A software solution we use to navigate the rules of the sky and manage your UAS program

1

Filters

Move

522

Flights

11

Safety Alerts

251

Hours

3230 Midland Trail, Huntington, West Virgi...

March 21st, 2022 at 11:30:00 am

Brad Fallecker

PILOT

Arlington Aven...

OPERATION

SW2_P4P V2

AIRCRAFT

3230 Midland Trail, Huntington, West Virgi...

March 21st, 2022 at 11:00:00 am

Brad Fallecker

PILOT

Arlington Aven...

OPERATION

SW2_P4P V2

AIRCRAFT

6480 Little Seven Mile Rd, Huntington, Wes...

March 18th, 2022 at 10:19:00 am

Daniel Callaghan

PILOT

Little Seven Mile

OPERATION

SW2_P4P V2

AIRCRAFT

6480 Little Seven Mile Rd, Huntington, Wes...

March 18th, 2022 at 10:06:00 am

Daniel Callaghan

PILOT

Little Seven Mile

OPERATION

SW2_P4P V2

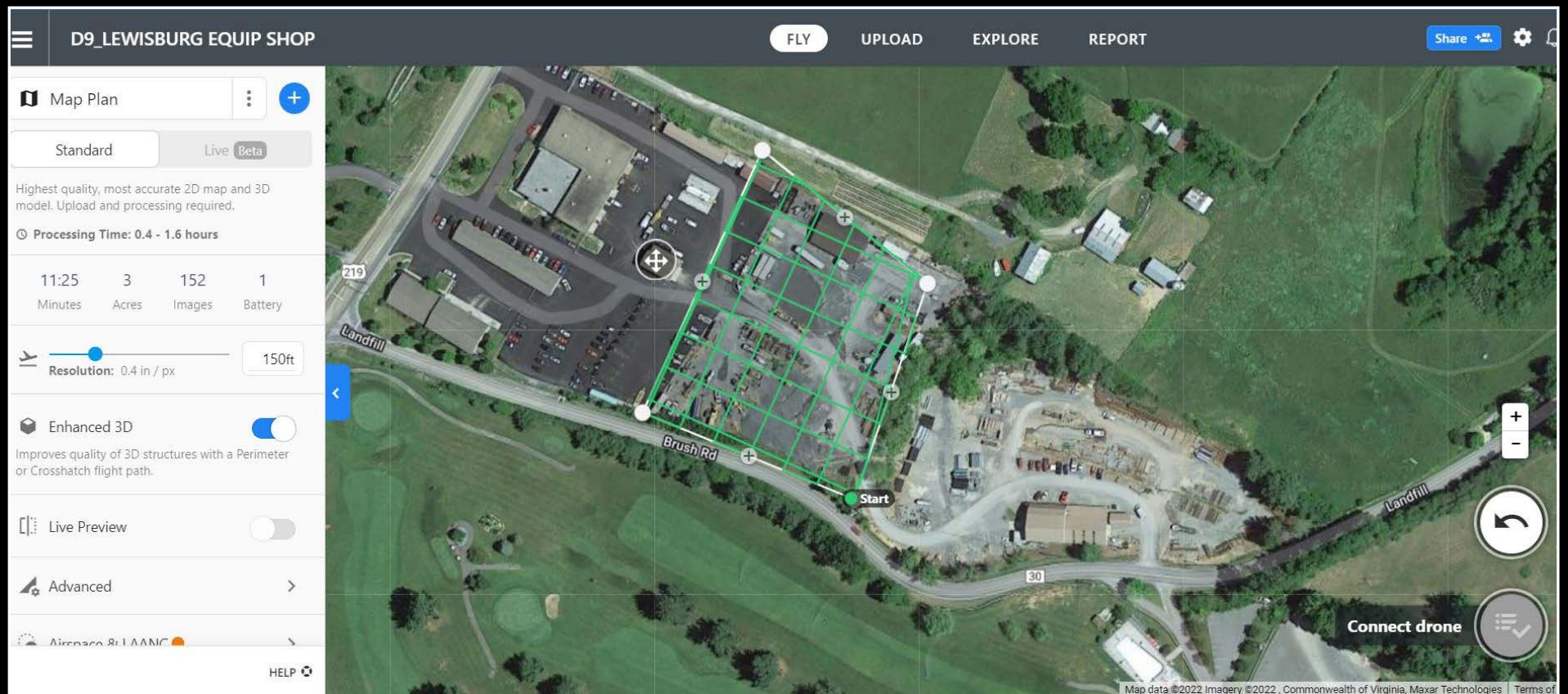
AIRCRAFT

6480 Little Seven Mile Rd, Hun...

March 18th, 2022 at 9:55:00 am

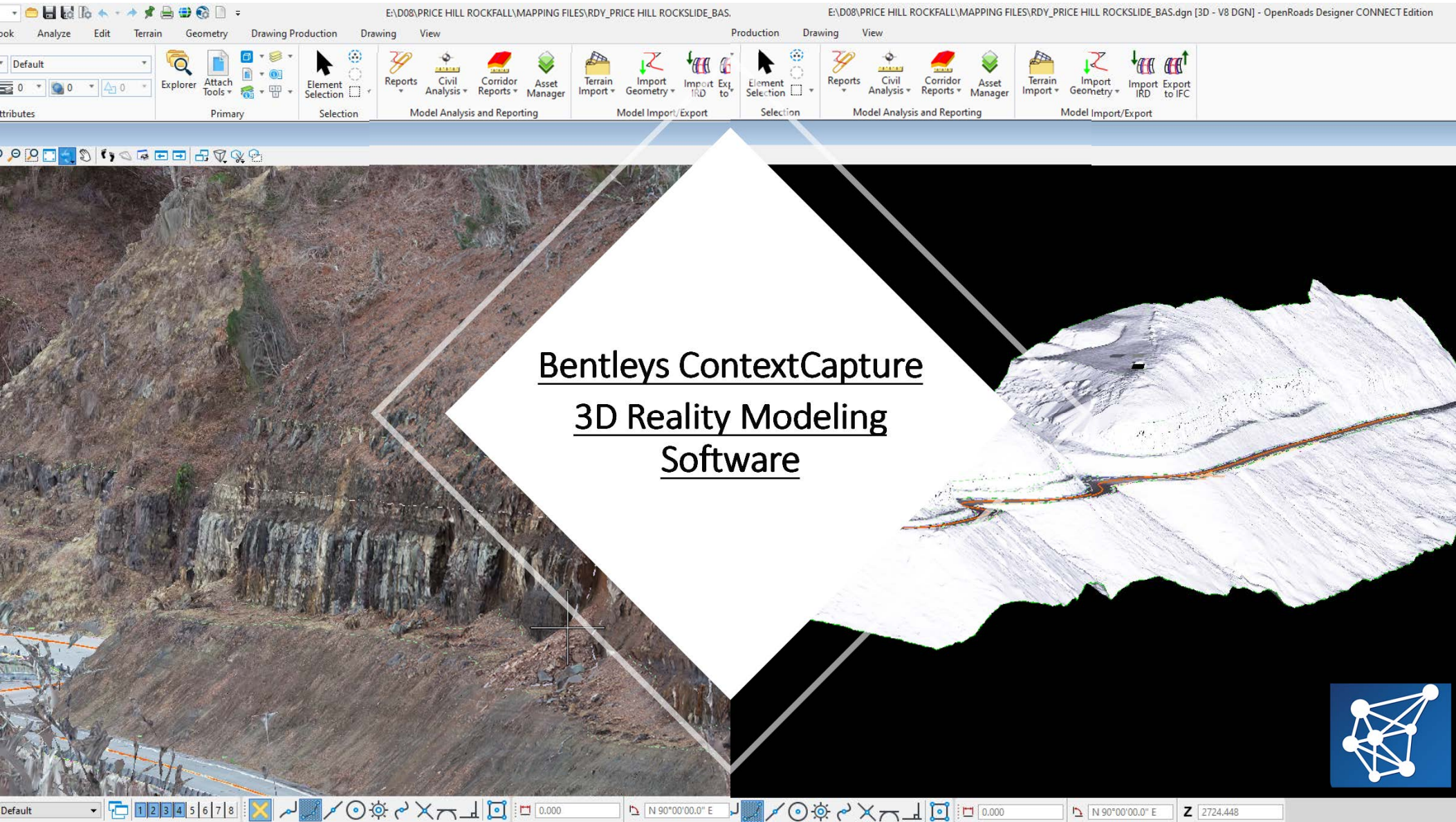
Get Started!

Need help?

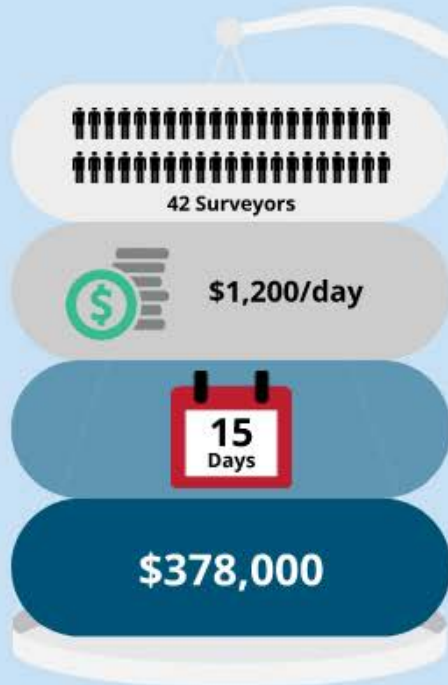


DroneDeploy



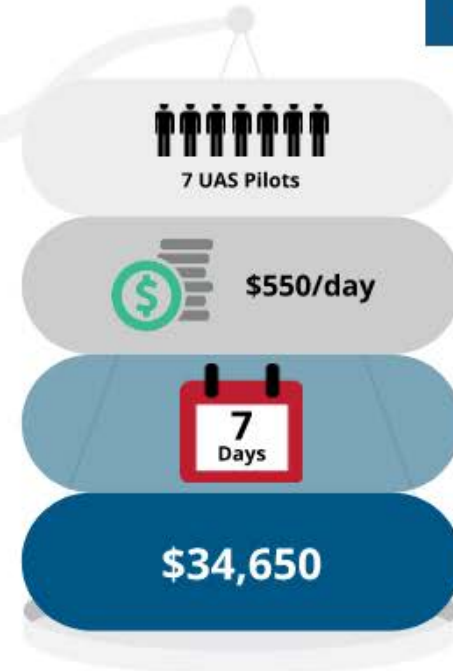


Conventional Method



Cost Savings \$\$\$

Adoption of Drones



**\$343,350 Savings
in One Month**

Measurements

Coordinate Distance Surface Volume

Click on the model to define the base surface.
Double click to close the polygon. Backspace to delete the last point.

Method: Mean plane

Sampling distance: undefined US survey feet

Clear

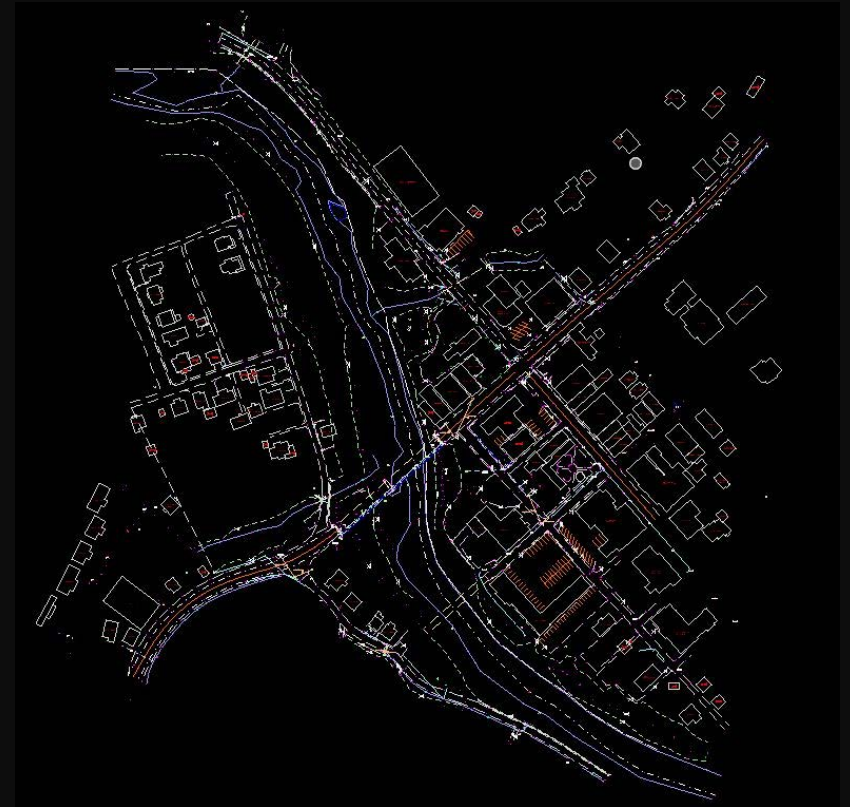


Altitude: 328m



Glenville Truss Project

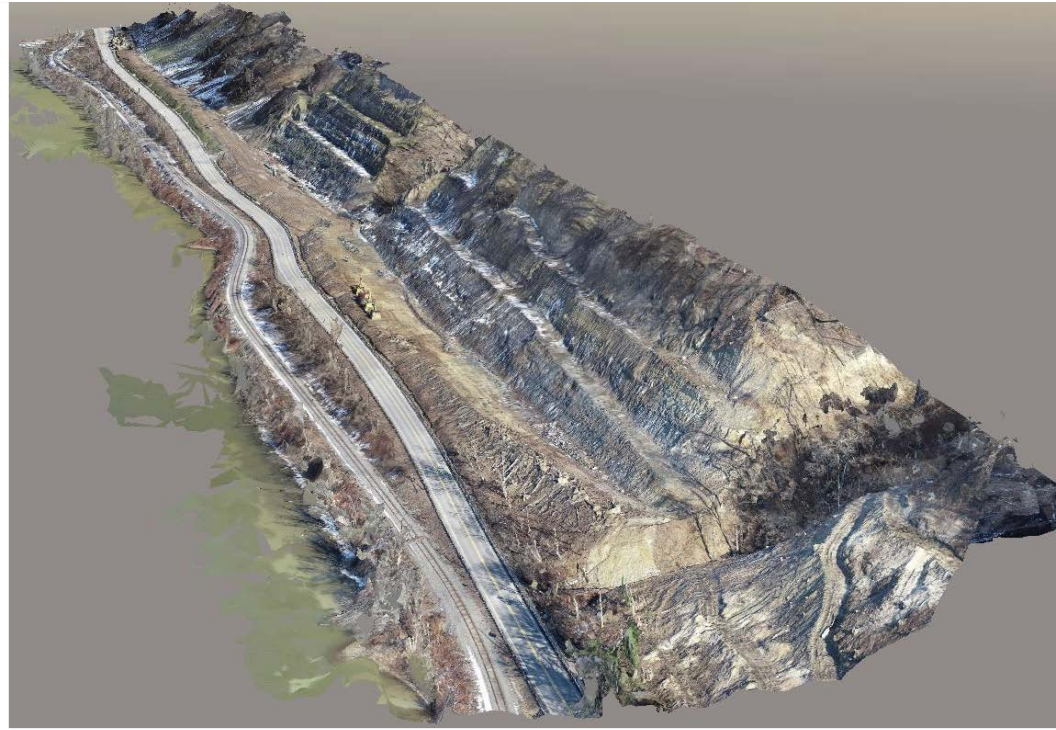
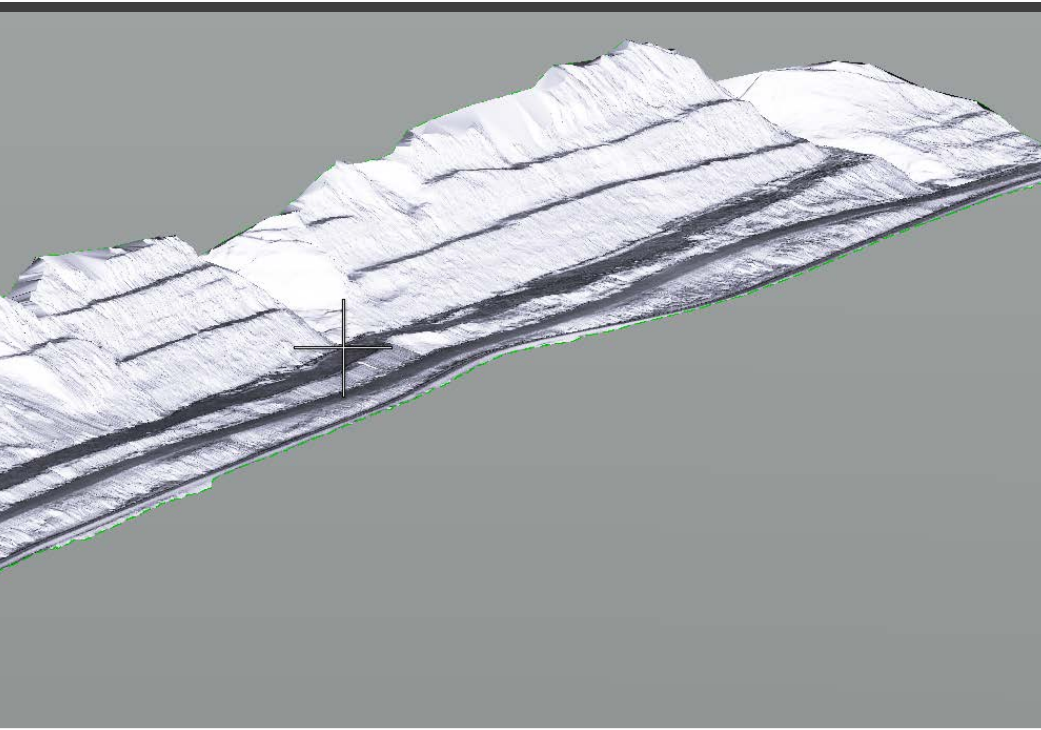
- Approx. 115 structures extracted





- Andrew Scott Mem. Project
- Approx. 1500' of RR Extracted





WV-2, Kent to Franklin Landslips



SHADY SADIE BRIDGE PROJECT