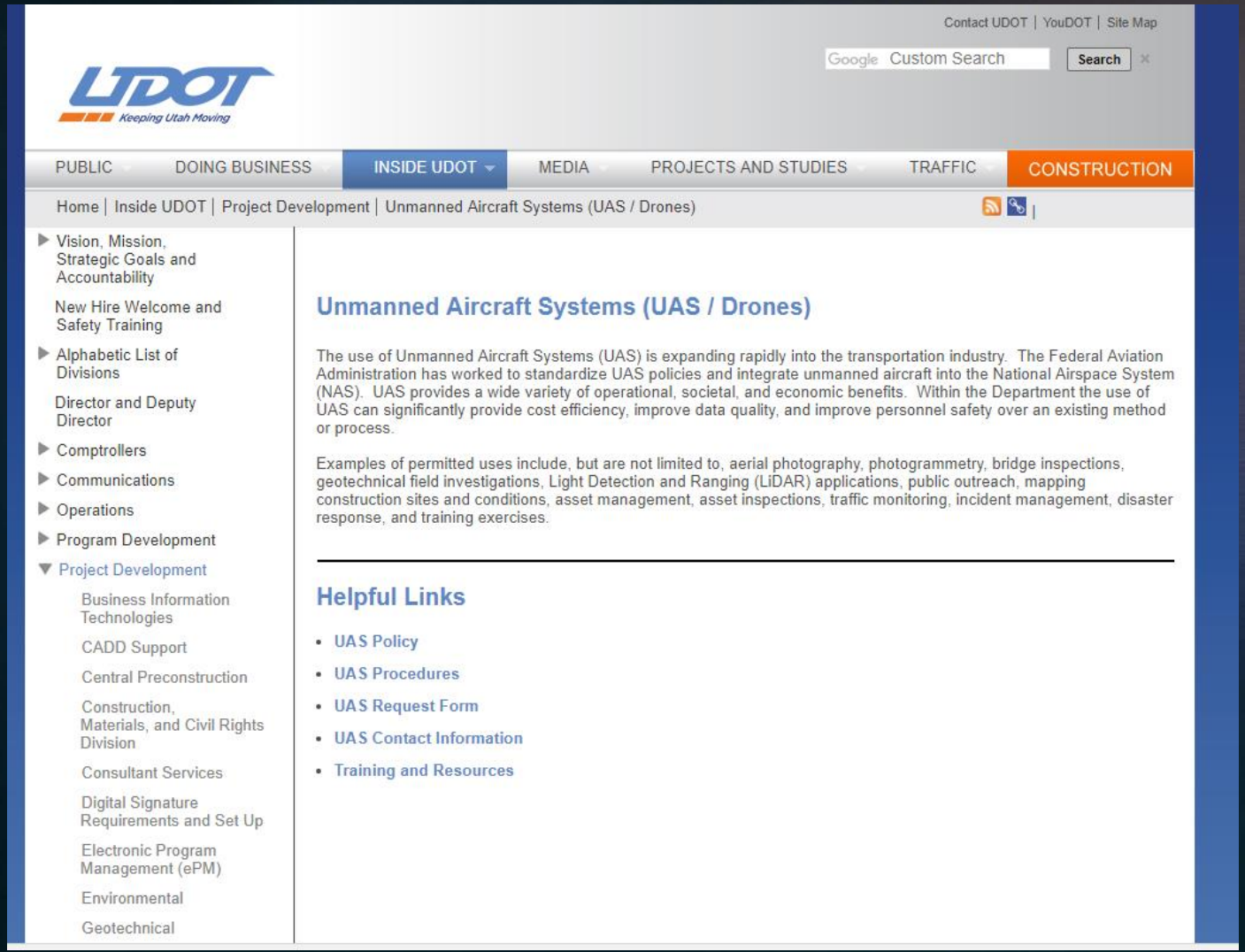
The Utah Department of Transportation's Unmanned Aircraft Systems (UAS)

Unmanned Aircraft Systems (UAS)

How Can They Help?

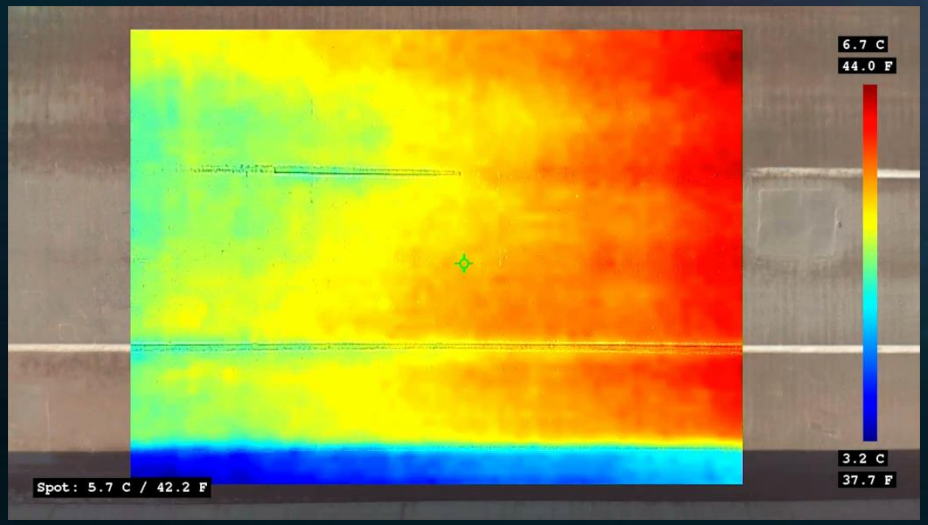
UDOT's UAS Website

https://www.udot.utah.gov/main/f?p=100:pg:0:::1:T,V:4923



Structure Inspection

- Delamination
- Deck Mapping
- Inspection

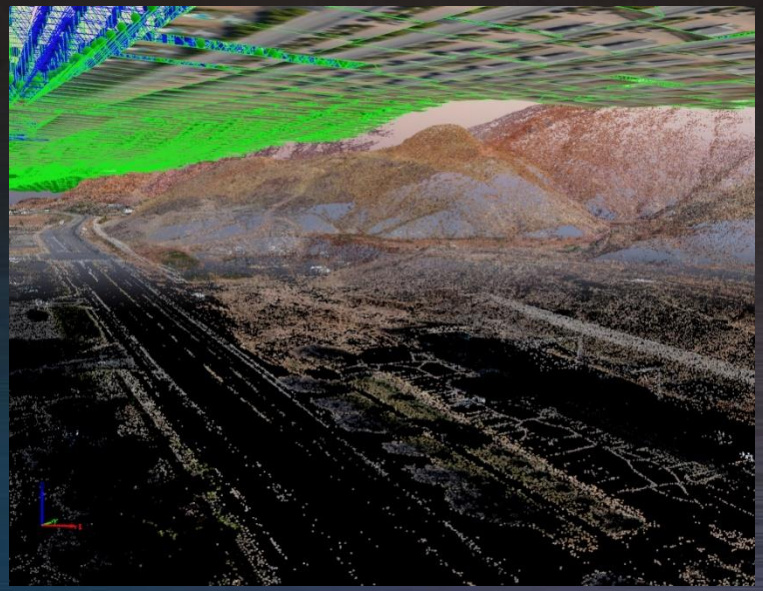


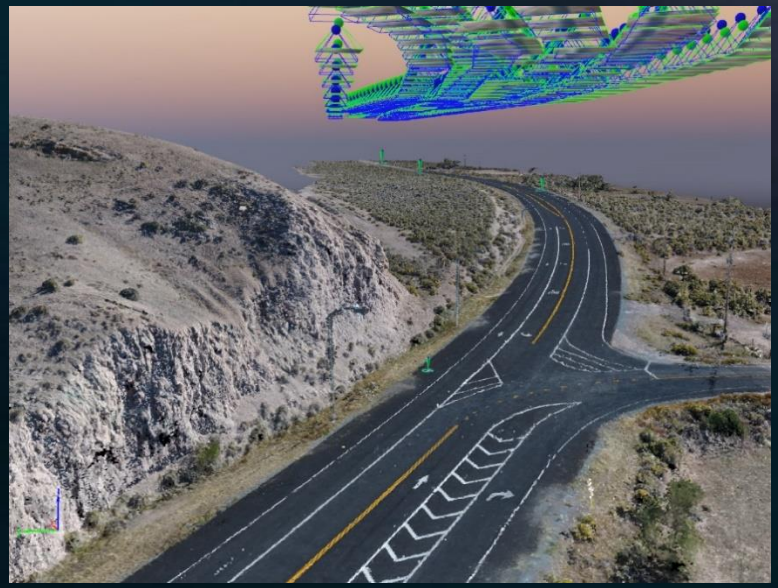
Survey & Mapping

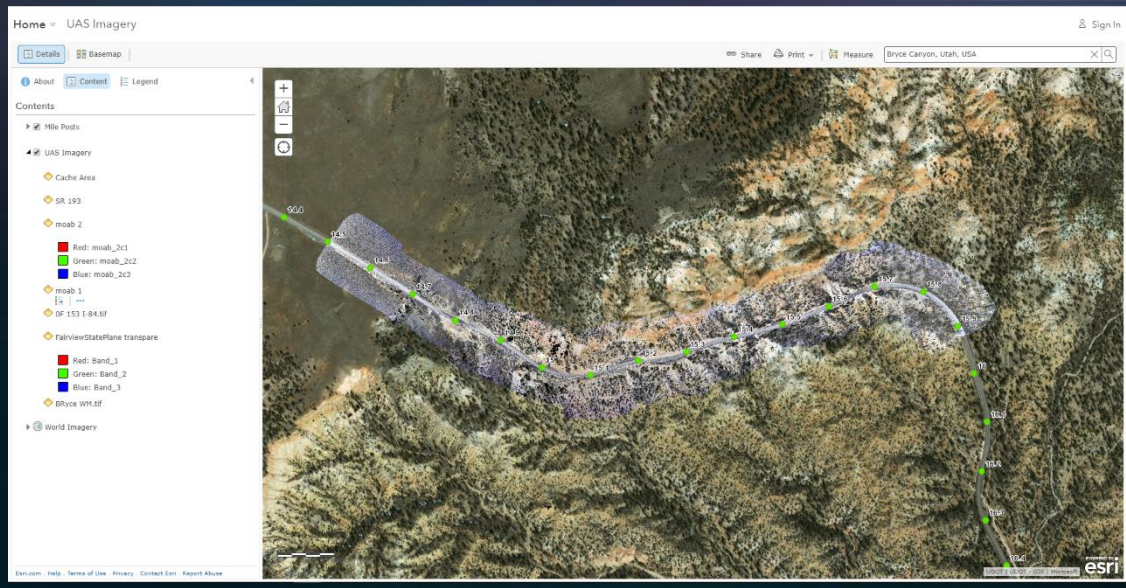
- Quick Response
- High Resolution Aerial Imagery with Point Cloud
- Safety Mitigation

UAS Mapping Examples

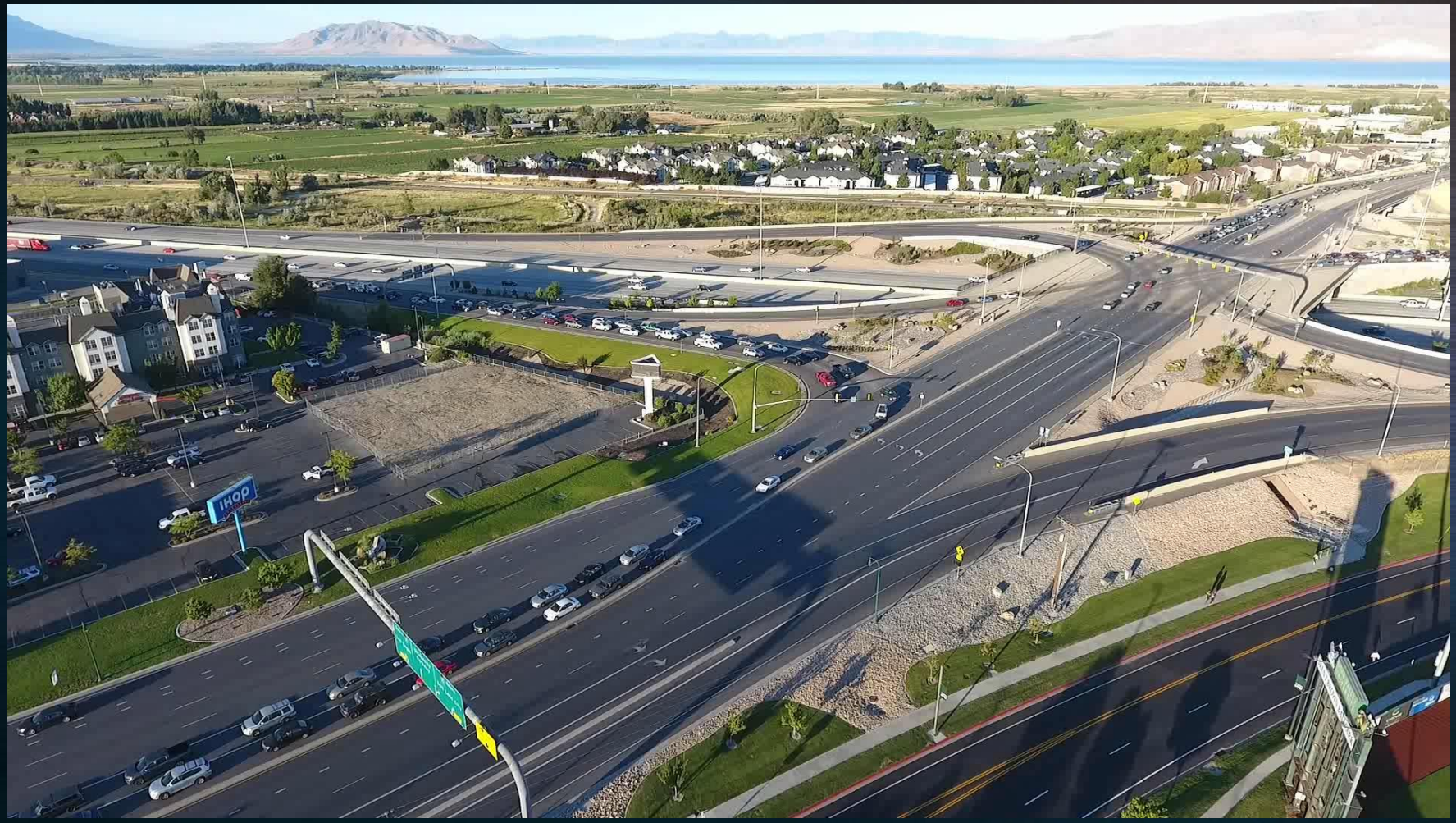
- Point Cloud with Imagery
- RGB Point Cloud
- GIS Database of all UAS Imagery





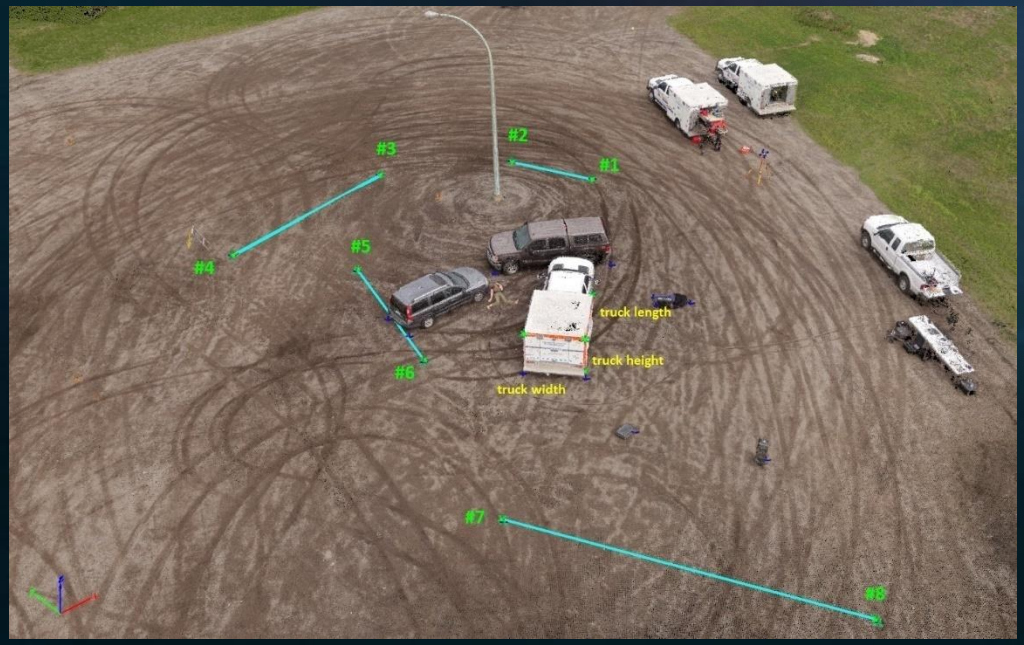


Traffic Monitoring



Incident Management

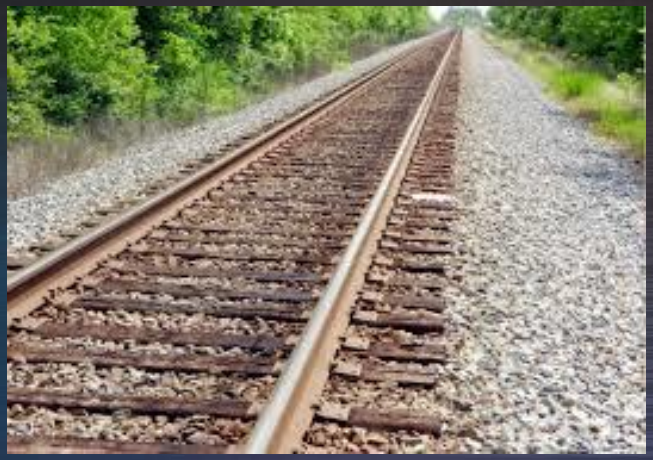
- UAS for All IMT Vehicles
- Real Time Broadcasting
- Detour Management

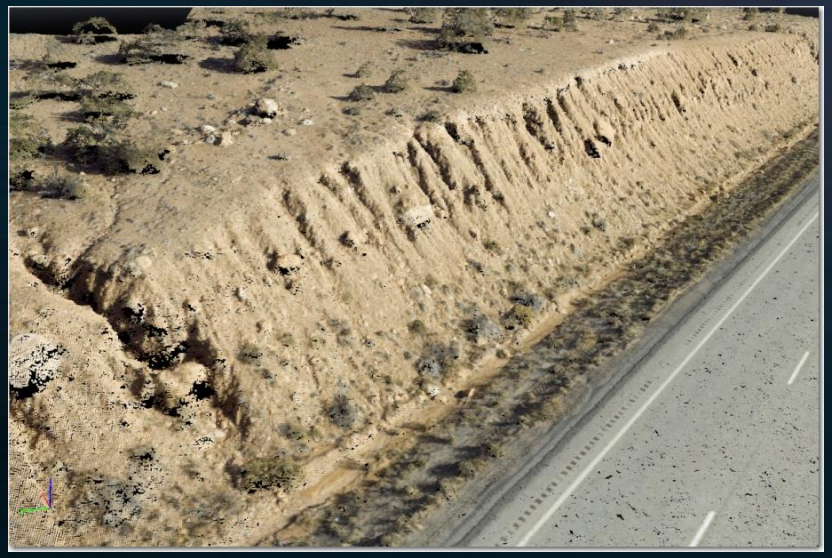


- Monitoring Alternative Routes
- Accident Reconstruction
- Search and Rescue

Benefits of Using UAS Technology

- Highly Detailed Mapping Model
- High Resolution Georeferenced Imagery
- Speed of Collection
- Safety
- Increased Efficiency
- Less impact to public






Thank you