

Unemployment Insurance Claims (cumulative % of Feb. 2020 workforce)

National:	22.6%
Utah:	10.1% (lowest in nation)
Nevada:	28.9%
Salt Lake County:	10.5%
Weber:	9.9%
Davis:	8.1%
Tooele:	9.3%
Morgan:	6.1%
Box Elder:	10.4%
Annual salary below \$40,000:	75%

Source: KCGPI, DWS, USBLS

Sales tax (annual) for FY20: estimated reductions from FY19

May estimates

Moderate *Pessimistic*

-11.6% -28.1%

Source: ULCT, Econowest

Sales tax (annual) for FY20: estimated reductions from FY19

May estimates

Moderate

-11.6%

Pessimistic

-28.1%

June estimates

Moderate

-6.6%

Pessimistic

-17.5%

Source: ULCT, Econowest

Motor Fuel Tax Reductions April 2019 v. April 2020

Taxable gallons sold of motor fuel: -35.32%

Taxable gallons of special fuel: -9.34%

Total revenue for FY20 (July-April)
as compared to FY19 (July-April): -0.96%

(offset by higher-than-expected revenue earlier in the fiscal year
and the CPI-adjustment to the fuel tax in January).

Traffic volumes on I-15: ~60% in late March / early May, now back to ~85%

Transit (UTA) ridership: ~30%, some rebound in bus ridership

Source: UDOT, Tax Commission, UTA

Utah Leads Together IV: economic recovery and revitalization plan

250 Day Horizon recommends \$2B state bonding for infrastructure:
transportation (roads), transit, active transportation, outdoor recreation,
broadband, water, housing

“Construction-ready projects” – commence within two years

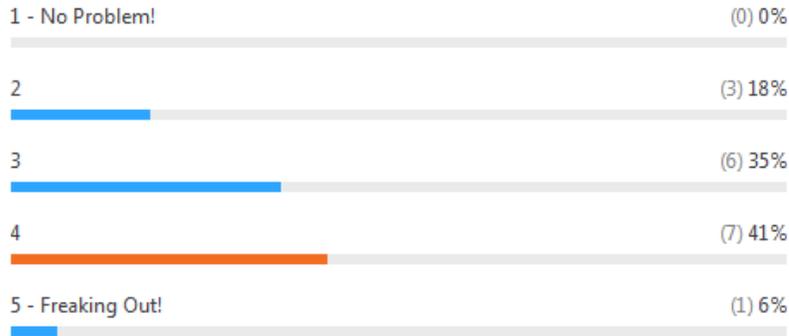
New capacity projects – not maintenance

No recommendation for local projects

Source: Utah Economic Response Task Force

Transportation Coordinating Committee
June 18, 2020
Poll Results

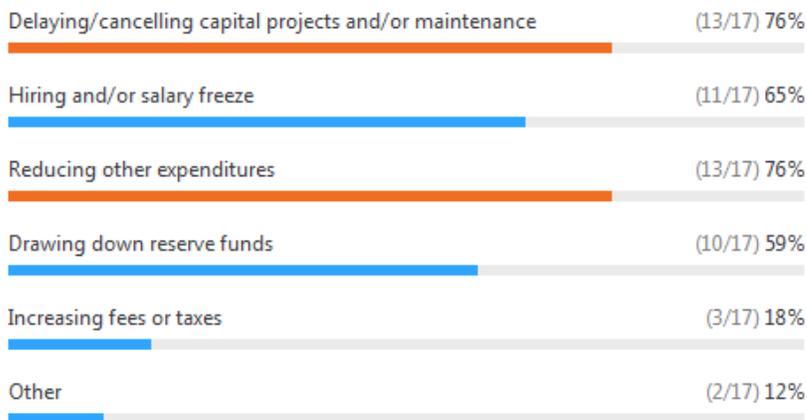
1. How concerned are you regarding declines in sales tax and motor fuel tax revenues?



2. Have you delayed bidding capital, maintenance, or operational transportation projects?



3. What are you doing to mitigate impacts of revenue declines? (Please choose all that apply)





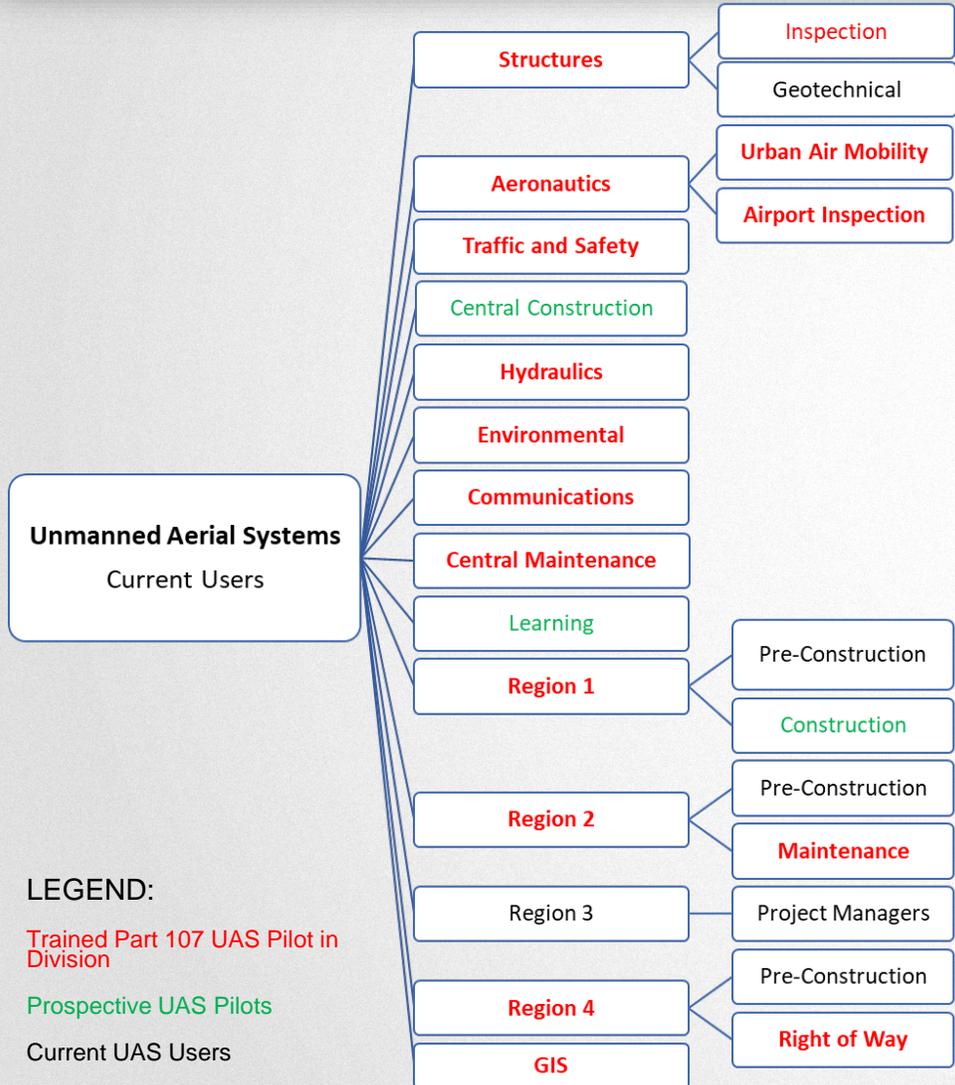
UAS

Unmanned Aerial Systems



LTDOT
Keeping Utah Moving

Utah DOT UAS Program



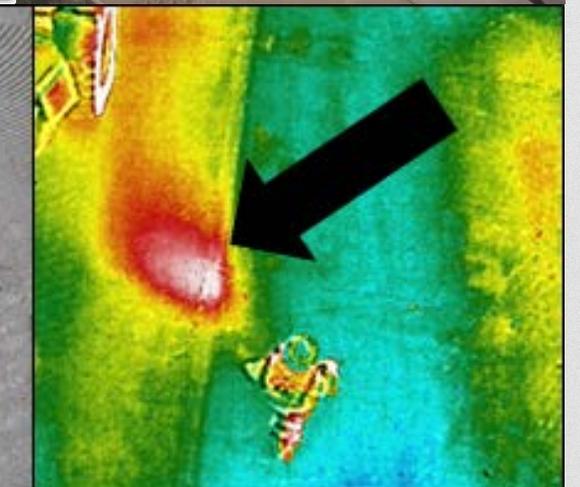
2016 - 1 Remote Pilot (4 UAS)
2018 - 10 Remote Pilots (6 UAS)
May 2020 - 32 Remote Pilots (41 UAS)



LEGEND:
 Trained Part 107 UAS Pilot in Division
 Prospective UAS Pilots
 Current UAS Users

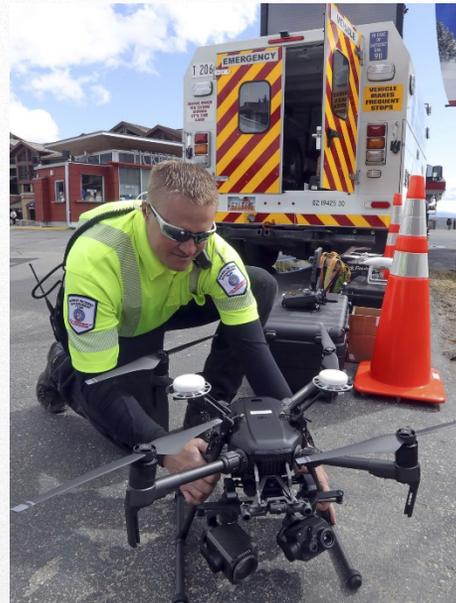
Bridge Inspection

- 3D Mapping
- Inspection
- Increase Frequency
- Improved Documentation
- Supplement Traditional Methods
- Majority of Inspectors UAS Pilots



Incident Management

- UAS for All IMT Vehicles
- The likelihood of a secondary crash increases by 2.8% for each minute the primary incident continues to be a hazard
- Every minute of blockage on a freeway travel lane increases delay after the incident is cleared by a factor of four
- Up to 344% More efficient than traditional methods.
- Training UHP and IMT

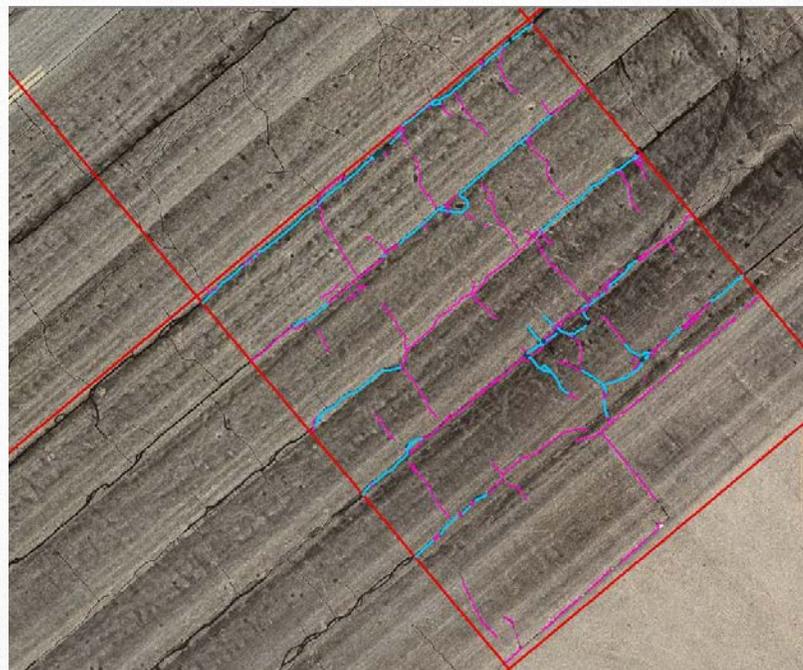


Innovation using UAS

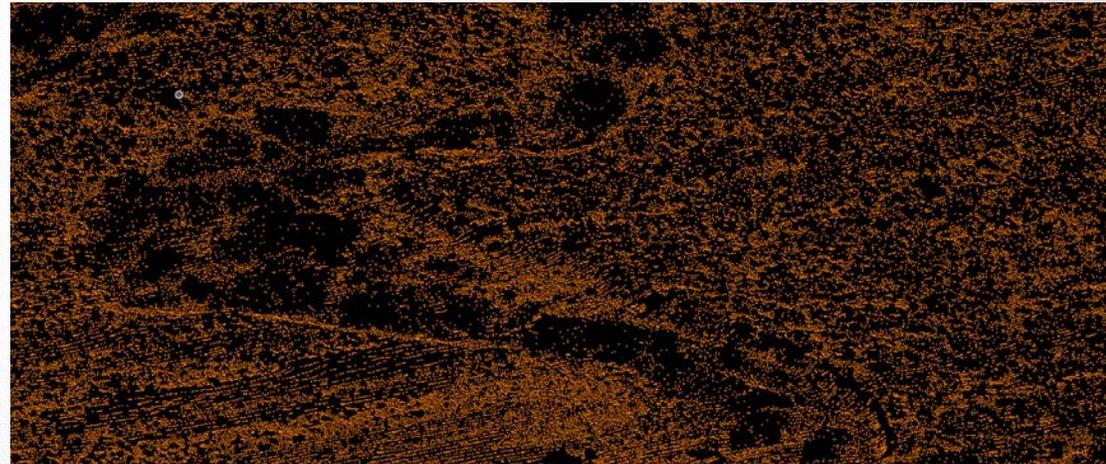
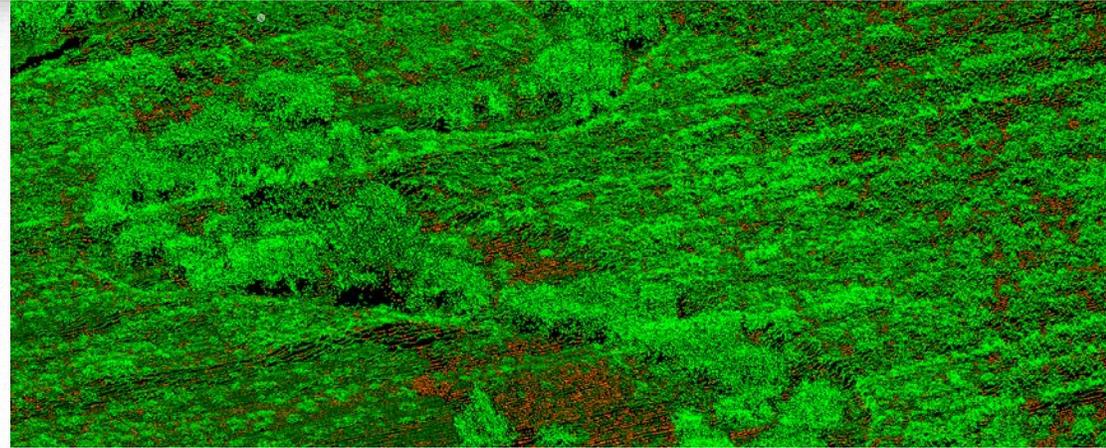
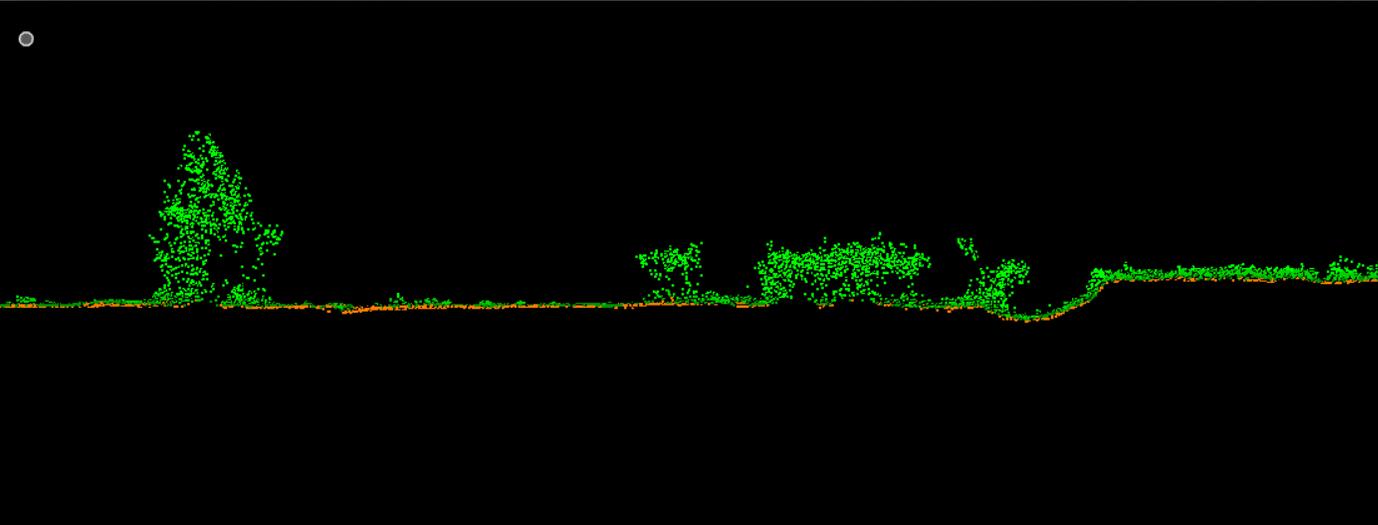
Overhead Sign Inspections – Over \$100,000 Saved
on 1 Project. SR201 & I-80
Snow Assessment



Automation Tools



UAS LiDAR



Disaster Response

- Land Slides

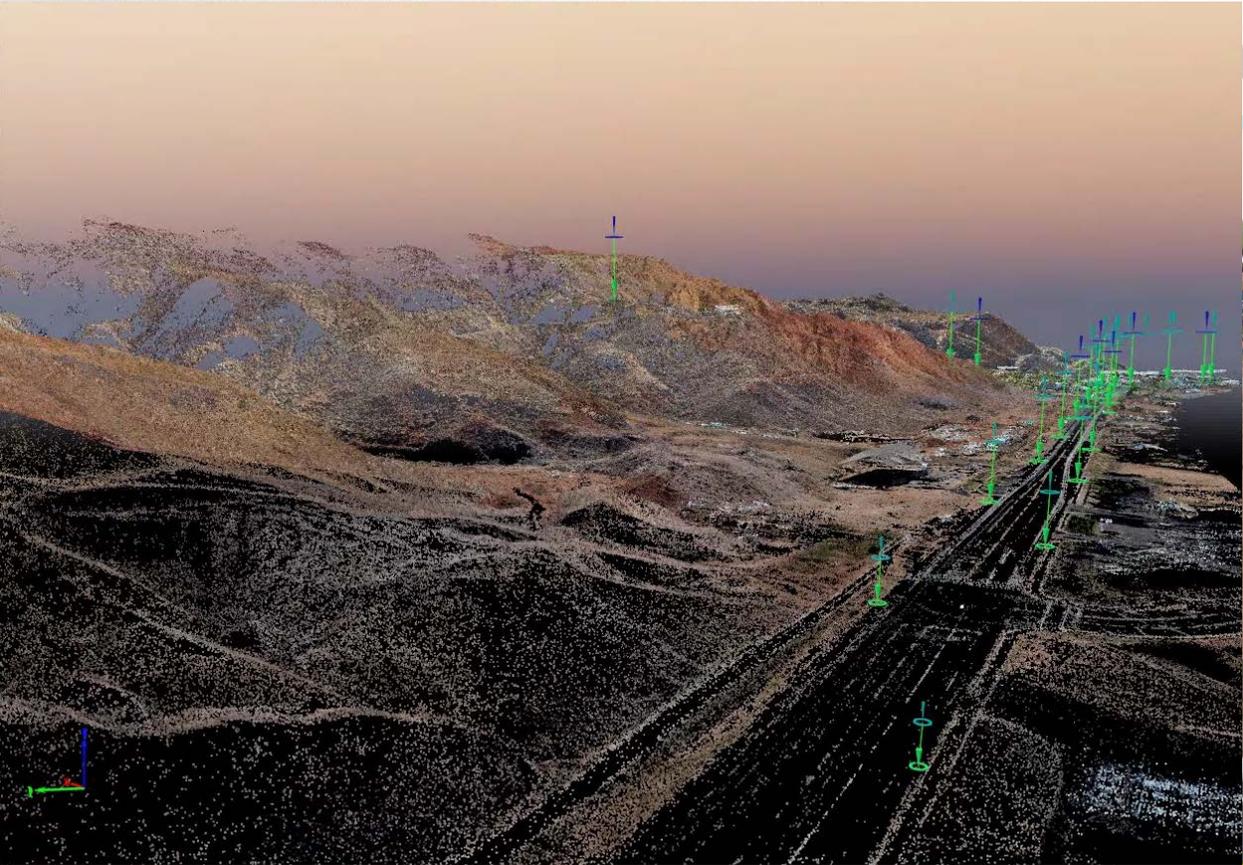


Avalanche Mitigation

- Gazex Inspection



Land Surveying



Site Monitoring

- Live Streaming Capabilities
- Monitor Area
- Bird's Eye View at Low Cost

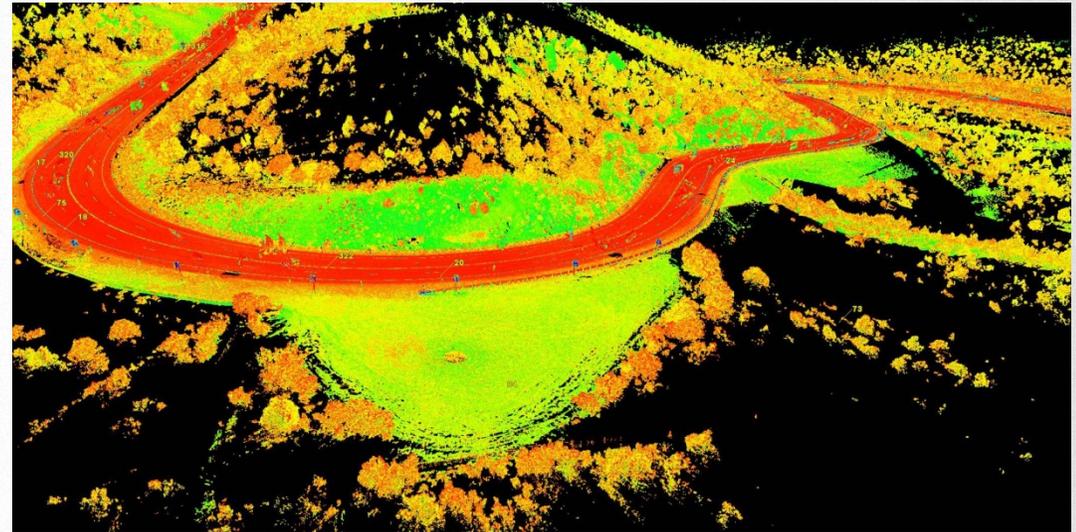


- Route Management
- Quick Response vs. Traditional Aircraft

Model Based Design and Construction

Construction SR-20

- First Project for 3D Model as Legal Document
- Overall savings for this project was \$82,672 (2.58%)



- Compared against original design
- Hybrid Data
 - GPS, UAS, LiDAR, Design
 - As-Built Model

New Era of Data Collection



Increased Safety



Productivity Gains



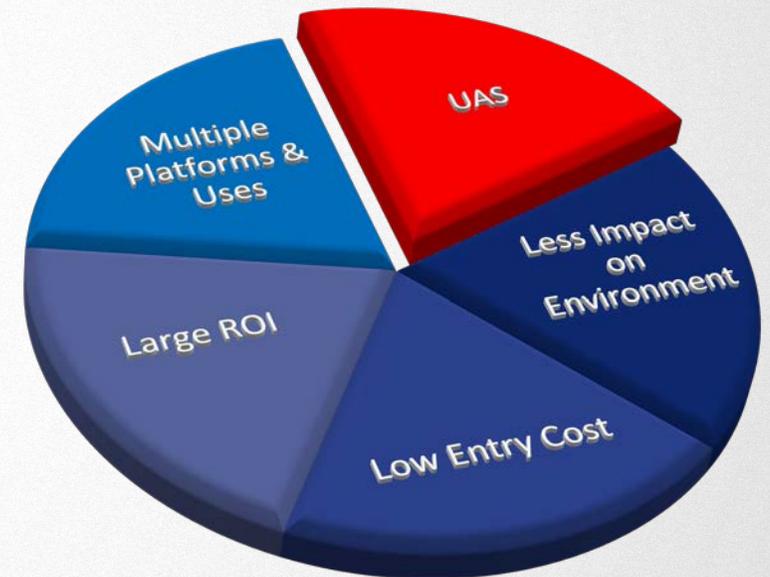
Significant Savings



Applicable to Entire Department



Multi-Uses for Data



Thank You!

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