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

<table>
<thead>
<tr>
<th>Moderate</th>
<th>Pessimistic</th>
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<td>-11.6%</td>
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Source: ULCT, Econowest
Sales tax (annual) for FY20: estimated reductions from FY19

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*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?

   1. No Problem!       (0) 0%
   2                    (3) 18%
   3                    (6) 35%
   4                    (7) 41%
   5. Freaking Out!    (1)  6%

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

   Yes                   (6) 35%
   Not yet, but planning to (4) 24%
   No                    (7) 41%

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

   Delaying/canceling capital projects and/or maintenance (13/17) 76%
   Hiring and/or salary freeze                        (11/17) 65%
   Reducing other expenditures                       (13/17) 76%
   Drawing down reserve funds                        (10/17) 59%
   Increasing fees or taxes                          (3/17) 18%
   Other                                              (2/17) 12%
Utah DOT UAS Program

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

Bridge Inspection

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

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
Disaster Response

- Land Slides
Avalanche Mitigation

- Gazex Inspection
Site Monitoring

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

- Route Management
- Quick Response vs. Traditional Aircraft
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!

Paul Wheeler
UAS Program Manager
E-mail: pwheeler@utah.gov