



# ***UTDOT***



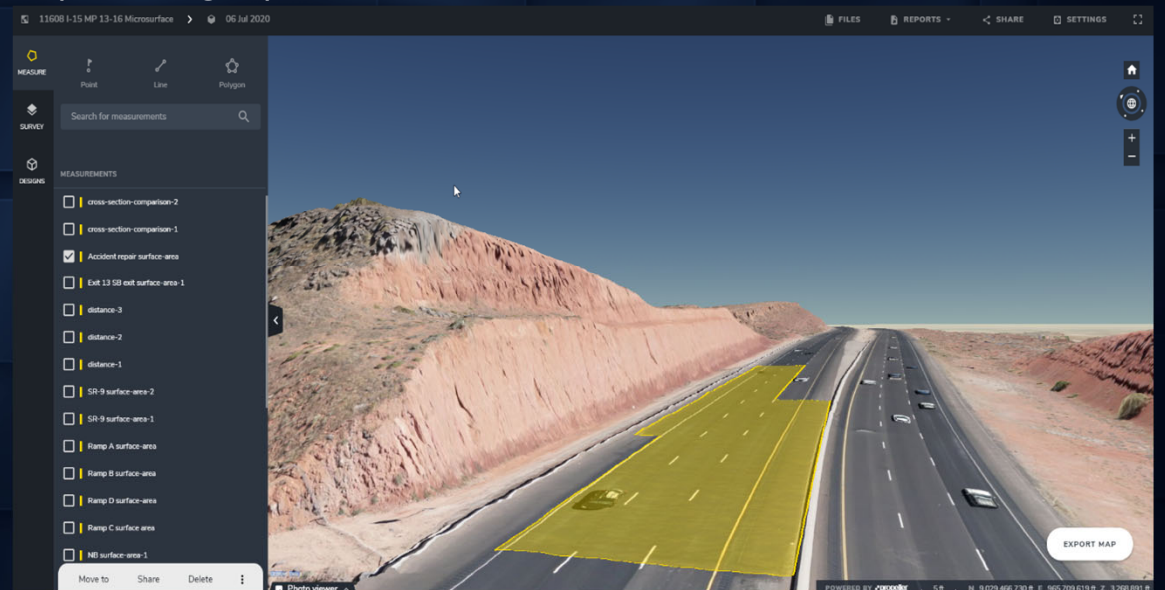
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# Drones & Quantities

How UDOT is planning to use drones to finalize quantities

# Data Capture

- Photogrammetry
- Portable GPS-located ground targets
- Data processed in Site Scan (overnight)
- Areas measured manually
  - Plan to use AI in future trials



## Current Trial Items

- Area Measurements:
  - Asphalt Placements / Rotomilling
  - Chip Seals / Micro Surfacing
  - Concrete Placement
    - PCCP
    - Sidewalk
  - Topsoil / Seeding

## Future Trial Items

- Linear Measurement:
  - Striping
  - Curb & Gutter
  - Barrier

# Payment Management

- Monthly payment based on estimated percent complete
  - Up to 90% of item
- Final payment of the item based on drone flight quantity
- Contractors Quantities?



## Contractor Data

### surface-area-2

Created by Russell Allman on 11/07/2022 9:44 AM

<https://clydecompanies.prpellr.com/p/viewer/?share=4EvvBv6NCw9AUO>



SURFACE AREA 25 099.2 ft<sup>2</sup>

HORIZONTAL AREA 25 075.7 ft<sup>2</sup>

DESCRIPTION

## Comparison Measurements (2022)

Contractor - 25,099.2 sqft

UDOT - 25,094.55 sqft

## UDOT Data



# Questions



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