

Transportation Interim

August 9, 2023

Annual Report



Strategic Direction

UDOT'S ROAD MAP

MISSION

ENHANCE QUALITY OF LIFE
THROUGH TRANSPORTATION

QUALITY OF LIFE FRAMEWORK



Better
Mobility



Good
Health



Connected
Communities



Strong
Economy

VISION

KEEPING UTAH
MOVING

UDOT VALUES

RESPECT

INTEGRITY

CARING

STRATEGIC GOALS

ZERO CRASHES, INJURIES AND
FATALITIES

PRESERVE INFRASTRUCTURE

OPTIMIZE MOBILITY

ALL USERS



UDOT's goal is to apply an All Users mindset to transportation decision-making, responding to community needs to create a safer, more reliable, and accessible transportation system.

To measure this, we are tracking adoption of the All Users mindset through a quarterly employee survey.

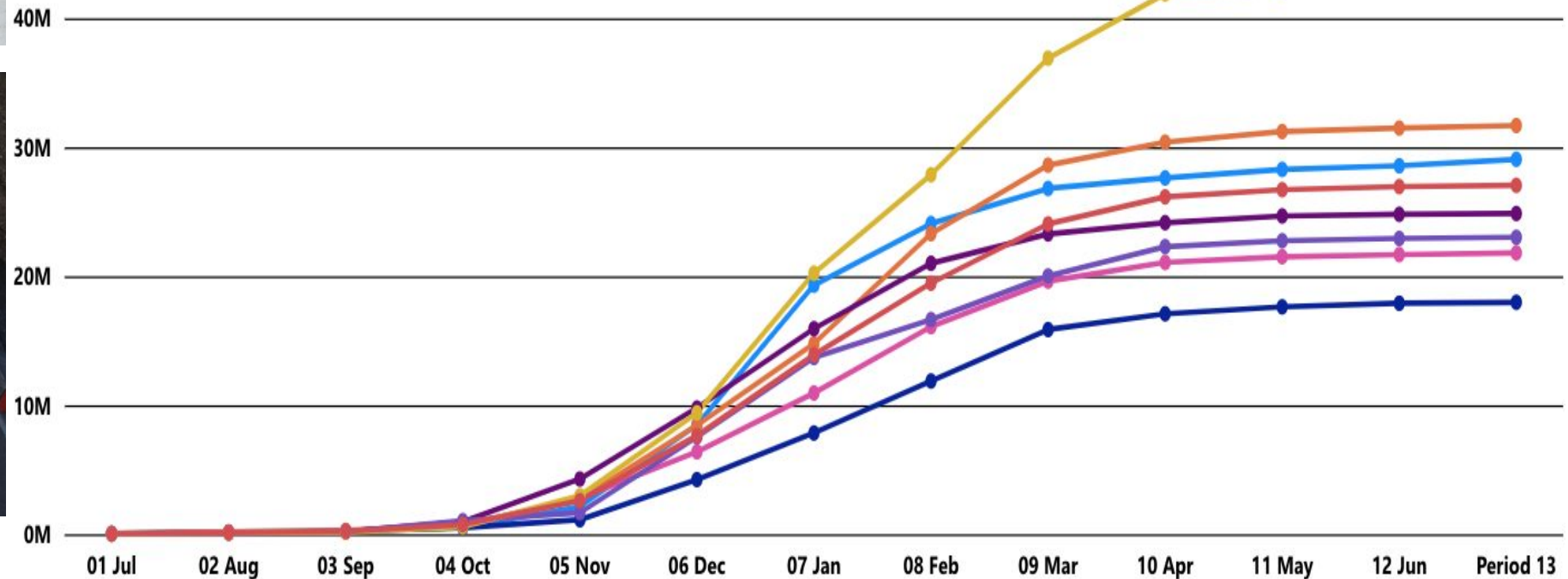
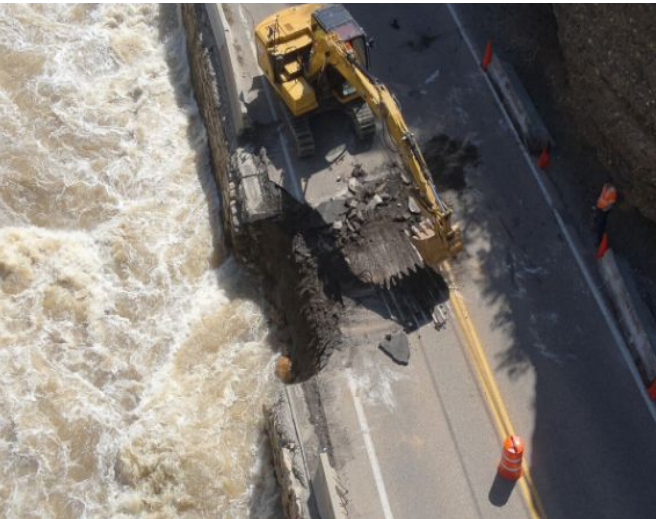
[Click here to view baseline results](#)

Strategic Direction - Keeping Utah Moving - Record Snowfall



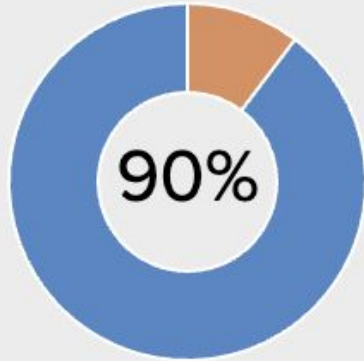
Snow Budget	FY 23 Expenditures
\$24,100,000	\$42,836,069
Snow Deficit	-\$18,736,069
Flooding Deficit	-\$2,491,151

2017
 2018
 2019
 2020
 2021
 2022
 2023
 Average 6 yr

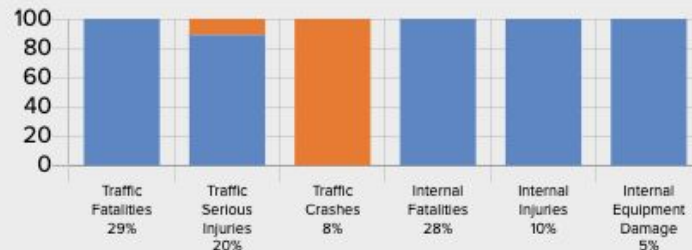


Strategic Goals - Safety, Mobility, Infrastructure

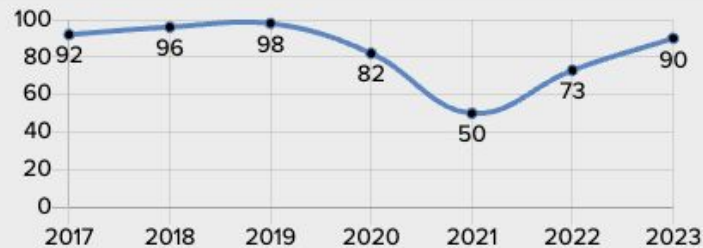
ZERO FATALITIES



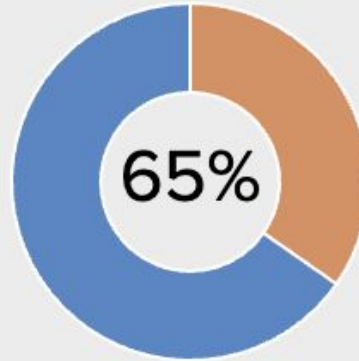
SAFETY PERFORMANCE MEASURES



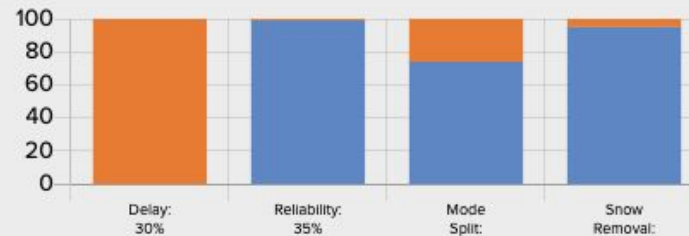
HISTORIC SAFETY INDEX



OPTIMIZE MOBILITY



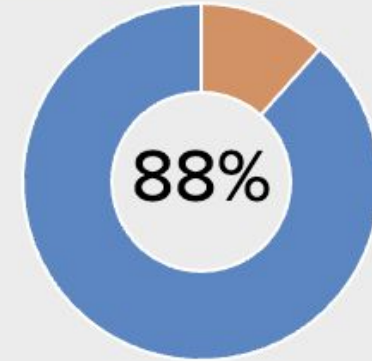
MOBILITY PERFORMANCE MEASURES



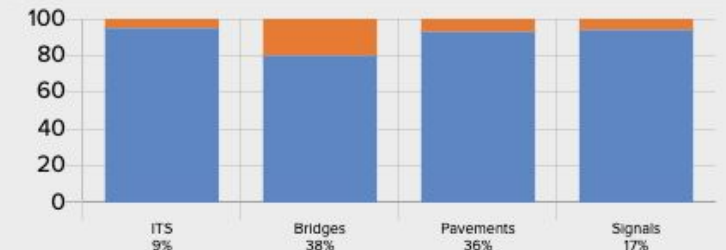
HISTORIC MOBILITY INDEX



PRESERVE INFRASTRUCTURE



INFRASTRUCTURE PERFORMANCE MEASURES



HISTORIC INFRASTRUCTURE INDEX

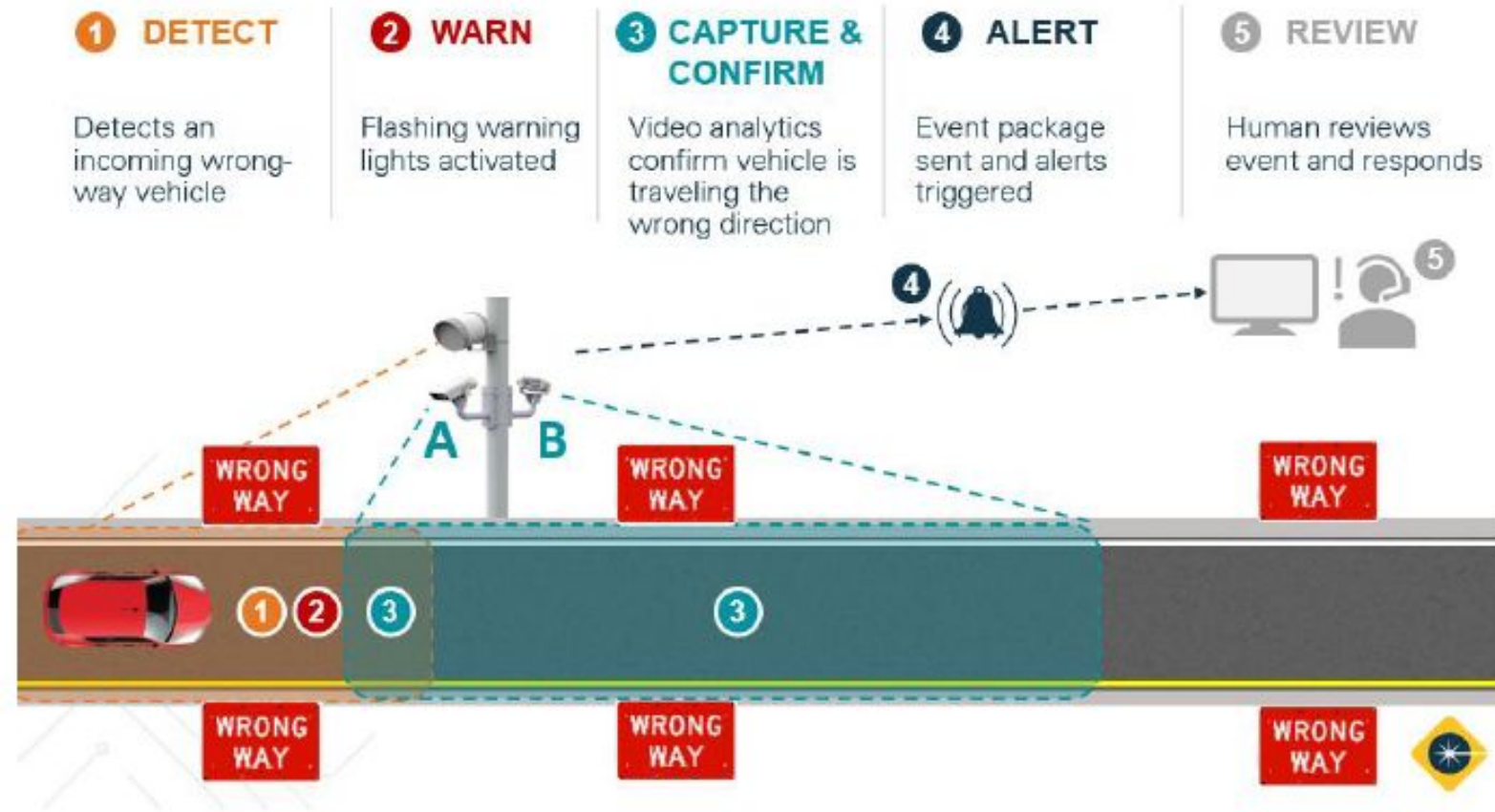


Strategic Goals - Safety - Focus Area Wrong Way Driving

5 Highest Fatality Actions

Impaired Driving	55.5%
Unbuckled Driving	24.8%
Aggressive Driving	8.8%
Distracted Driving	6.3%
Drowsy Driving	4.4%

Year	Fatalities	Wrong Way Fatalities
2020	276	9
2021	332	7
2022	319	9
2023	159	5 (3.1%)



Over 13% of crashes caused by Wrong Way Driving end up being a Fatality.

Wrong Way Driving Devices

2 Active units

NB Legacy/Park Lane, I-80WB/1300E

10 Units Under Construction / 10 in Design

Strategic Goals - Safety - Focus Area Wildlife Crossings

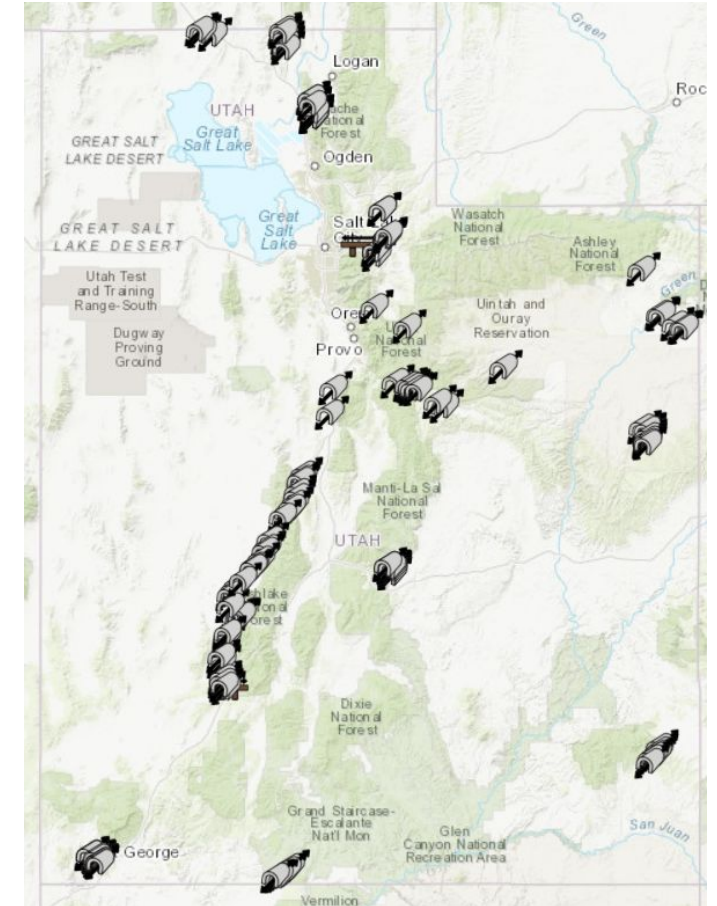


Wildlife Safety Statistics (Utah):

\$138M in damages yearly

Loss of 5000 deer & 1000 elk

60 wildlife crossings in place
across the state



Funding and Grant Applications

3 grant applications through the USDOT:
(\$48.5M total PV w/ \$21M match)

I-84 and I-80 Wildlife Safety Corridor Project

(Priority Project via 2022 SB2 Bill)

US-40 Wildlife Safety Corridor Project

US-89 Wildlife Safety Corridor Project

*Utah earned its spot as the first in the nation to
install a wildlife crossing nearly 50 years ago.
The crossing was near Beaver on I-15.*

Deseret News. March, 27, 2023

Strategic Goals - Mobility

UDOT Statewide Mobility Dashboard

Region 1 Region 2 Region 3 Region 4

Capacity (Top 25)

Capacity (Each Region's Top 25)

Bottlenecks (Top 25)

Bottlenecks (Each Region's Top 25)

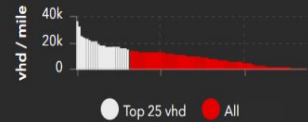
Rank: Current Year VHD per mile

VHD = Vehicle Hours of Delay

Data Updated
September 30, 2022

25
Route(s)

Vehicle Hours of Delay



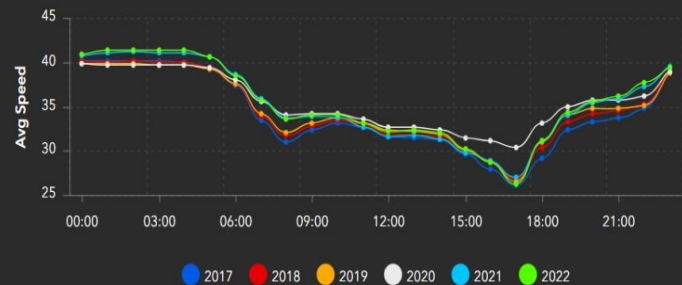
VHD All VHD Top 25

% Change VHD (all routes)



% Change

Speed Trend

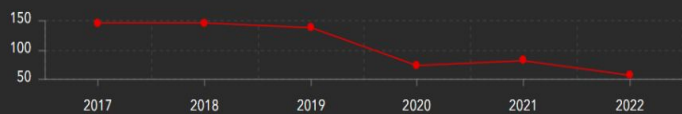


Speed Trend

Speed Range

Recent Speeds

Crash Trend



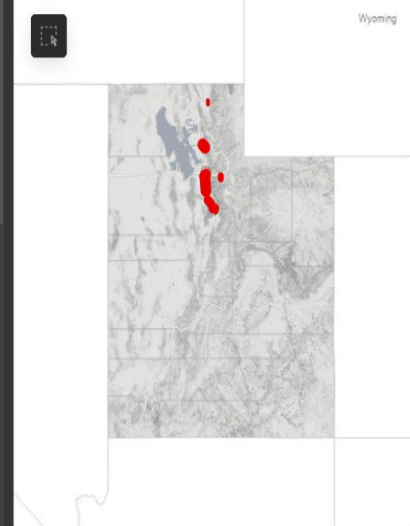
Top 25 Capacity Routes

Vehicle Hours of Delay
Click on Route to update charts. Re-click to unselect.

I-15 S: SR 201 to 12300 South	Delay: 35871 hrs	Rank: 1	Funded Project(s): \$
SB US-89: Harrison to I-84	Delay: 31642 hrs	Rank: 2	Funded Project(s): \$
NB US-89: I-84 to Harrison	Delay: 24687 hrs	Rank: 3	Funded Project(s): \$
EB 600 S (SR-270) I-15 to State St	Delay: 23391 hrs	Rank: 4	Funded Project(s): ~
SB I-15: SR-73 to PG Blvd	Delay: 23012 hrs	Rank: 5	Funded Project(s): ~
WB 500 S (SR-269) State St to I-15	Delay: 22720 hrs	Rank: 6	Funded Project(s): ~
EB SR-265: SR-114 to US-89	Delay: 21818 hrs	Rank: 7	Funded Project(s): \$
I-15 N: I-215 S to 400 South	Delay: 20931 hrs	Rank: 8	Funded Project(s): \$
SW PG Blvd: 2000W to 2800W	Delay: 20771 hrs	Rank: 9	Funded Project(s): ~
NB SR-224 Cove Canyon Dr to I-80 Kimball Jct	Delay: 20064 hrs	Rank: 10	Funded Project(s): ~

VHD by Routes

Use selection tools to select Route(s) and update charts. Click X to unselect.



Top 25 VHD Map

Crash Map

Yearly Vehicle Hours of Delay Trend



VHD Trend

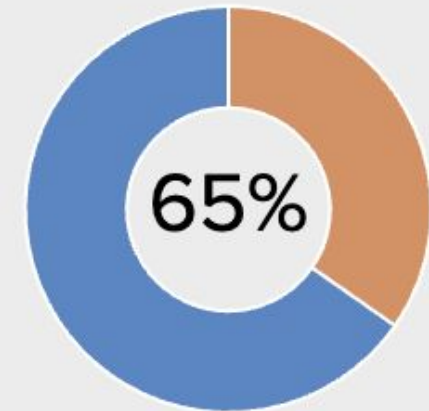
VHD Seasons

Funded Projects

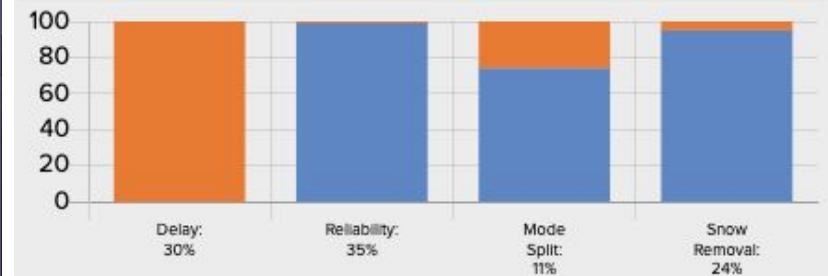
PIN 15685
PIN 13822
PIN 15684
PIN 13822
PIN 13823

UDOT
Keeping Utah Moving

OPTIMIZE MOBILITY



MOBILITY PERFORMANCE MEASURES



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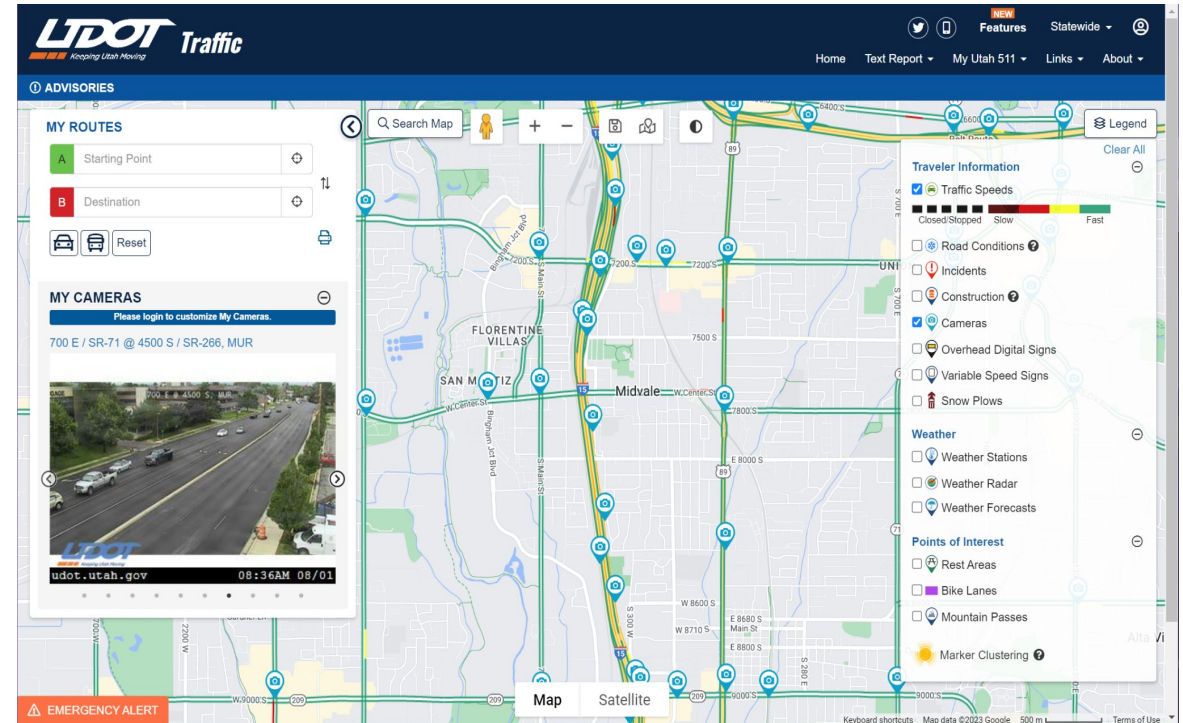


UDOT
Keeping Utah Moving

Strategic Goals - Mobility - Focus Area Traveler Assistance

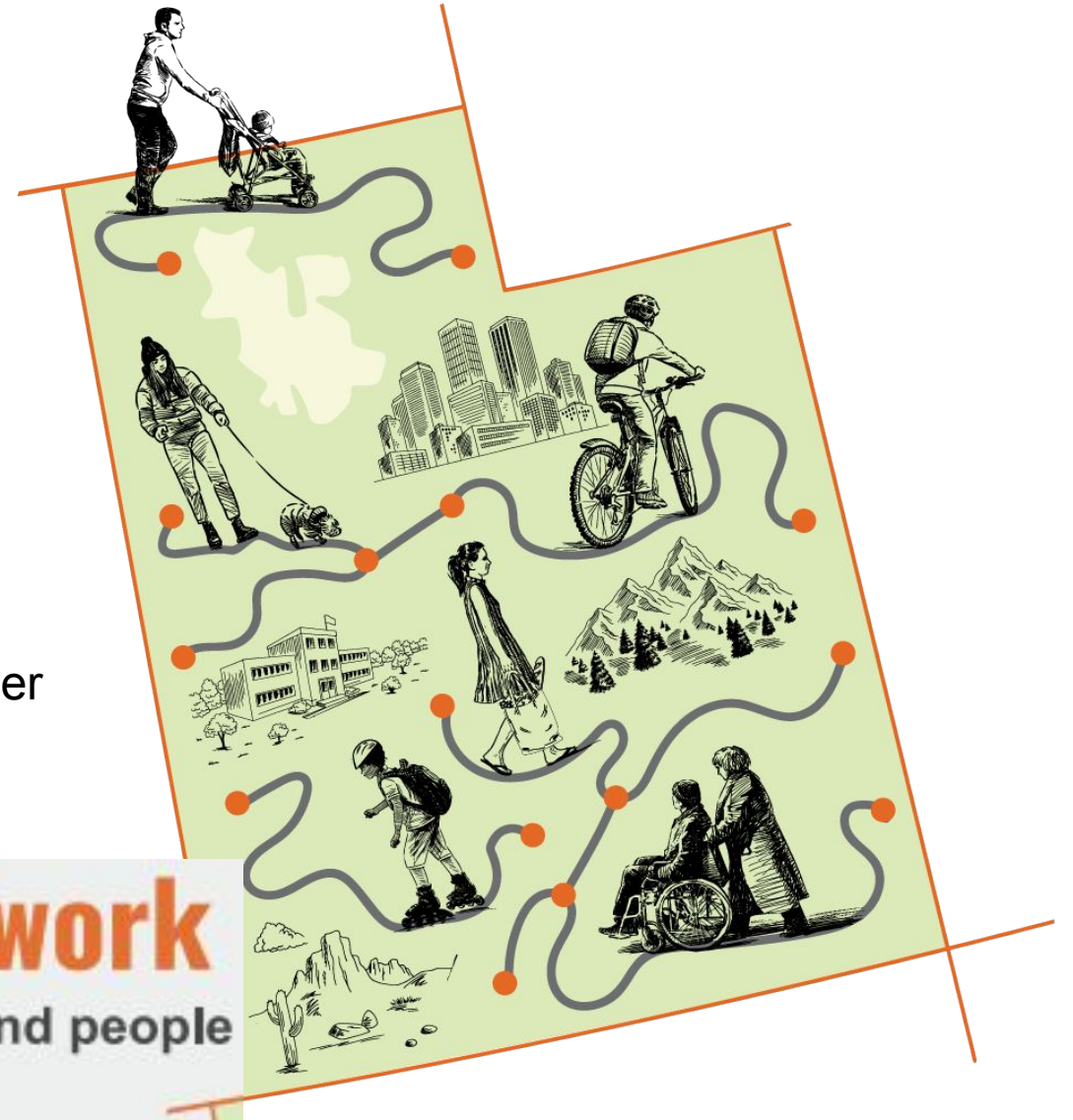
Mobility Focus Areas:

Advanced Traveler Information System
Incident Management Teams
Traffic Management Systems



Utah Trail Network - ATIF (Active Transportation Investment Fund)

- Regional paved trail network
- Develop a multi-year trail program by end of 2023
- Introduce project selection process & screening criteria
- AOG and MPO stakeholder workshops this fall
- Ranked list to Utah Transportation Commission in December



Utah Trail Network
Connecting communities and people
throughout Utah.

Strategic Goals - Infrastructure - Focus Area Bridge Program

NINETY

Overall Progress By Dollars Expended

1.35%
% Spent of \$225M

Federal FY 22-26

Planning



69%

62 Bridge Count

Design



19%

17 Bridge Count

Construction



1%

1 Bridge Count

Complete



0%

0 Bridge Count

Key Program Information



Poor Bridges

35



Number of Load Posted Bridges

43



Number of Poor and Load Posted Bridges

24



Number of Daily Crossings over Poor Cond. Bridges

116K



Number of Bridges that Contain Timber Elements

13



Scour Critical Bridges

33



Number of Bridge Owners

41



Average Age of Bridges (Years)

62



Decks Square Footage

150K

Bridge Status Pending Planning Design Construction Complete



Proposed Bridges

By Region

Region 1

21

Region 2

36

Region 3

14

Region 4

19

By System

Local On System

23

Local Off System

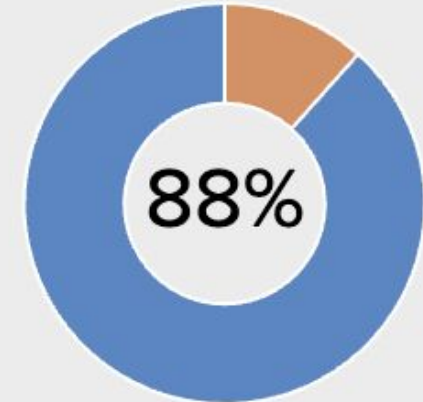
55

State Owned System

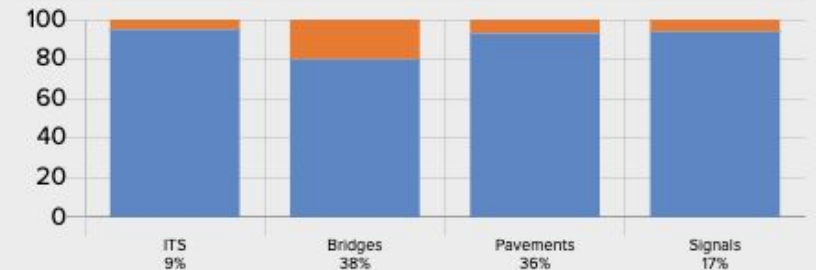
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PRESERVE INFRASTRUCTURE



INFRASTRUCTURE PERFORMANCE MEASURES



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Bridge Formula Program Funded through IIJA

