



DRAFT TRANSPORTATION ADVISORY COMMISSION
May 3, 2023

Place: City Council Conference Room

At 5:36 p.m.: Sam Kelly called the meeting to order.

Attendees: Becky Buxton, CJ Mecham, Laura Redford, Kathy Turner and Russ Verhoef and Transportation Advisory Commission members; Sam Kelly, City Engineer; Cheryl Vargas, Minutes Secretary;

Those excused: Marlan Coe and Jay Przybyla Transportation Advisory Commission members and Jeffrey Lambson, City Council Member

Approval of Minutes: Ms. Buxton moved to approve the March 7, 2023 minutes. Mr. Verhoef seconded the motion. Those voting Becky Buxton, CJ Mecham, Kathy Turner and Russ Verhoef (Laura Redford arrived during the MAG Presentation). The motion passed unanimously.

MAG Presentation: Robert Allen and Shauna Mecham

MAG, Mountainland Association of Governments (MAG) is a Regional association of governments of Utah, Wasatch and Summit counties. It is funded by local and federal funds. As a Metropolitan Planning Organization (MPO), they coordinate transportation across boundaries, bringing federal, state and local people together

- ITE (institute of transportation engineers) Ideal Grid Network
- Updates the Regional Transportation Plan (RTP) every four years to
 - Be in tune with changing growth trends
 - Comply with federal and state regulations
 - Educate on transportation challenges present in the region
- Density will spread out throughout the county
- 4 main commutes
 - Cedar Valley split
 - North to central county
 - South to central county
 - County-wide to SL county
- Needs-based project development
- Funding – revenue, costs, deficit
 - Short over \$6.8 billion (federal, state and sales tax funds have gone up recently, but costs have gone up over 40%)
 - There are 24 unfunded projects out to 2050 – \$4.6 billion
- RTP – Planning vs Programming
- Transportation Improvement Program
 - MPO funded projects
 - UDOT funded projects
 - UTA funded projects
- MAG funded projects in Orem
- MPO Process
 - Project Ideas – Concept – Funding – Final TIP Approval
- Successful Transportation Improvement Plan (TIP) Projects
 - Good Attributes
 - Major Collector or above
 - New Connection
 - Last Phase
 - Local Participation
 - Complete Streets
 - Cost-effective
 - Bad Attributes

- Minor Collector or Local
- Through developable land
- Costly ROW
- Substandard Design
- No Logical Termini

Active Transportation

- Technical assistance to transportation – planning for something less car-centric.
- Active transportation has 3% of the transportation budget.
- Land Use and active transportation can work together to be as efficient as possible.
- Connected and autonomous vehicles – equivalent of another lane on the freeway.
- Working from home is another option.

Project Updates

- Lakeview Parkway – sent to consultant
- 1600 N 400 East – Data Collection
- 400 W 1200 South Roundabout – legal descriptions changing
- Traffic signal on 400 S 400 West
- Slurry seal & micro-surface on roads
- Skyline Drive – asphalt treatment
- 1600 North widening
- 400 South – State Street to Orem Boulevard
- 1200 South reconstructed from roundabout to UVU
- 800 South State to 400 East – mill and overlay

Future Items

- MAG Transportation Improvements Projects
- 1600 North – right turn to head east bound or close access
- Orem Boulevard 800 south – trying to buy property to straighten intersection
- Mountainway Drive and 400 South
- TMP – on for planning commission on May 17th
- Projects to connect multiple jurisdictions

Other Items

Motion to Adjourn: Ms. Redford moved to adjourn and Ms. Turner seconded the motion. Those voting aye: Becky Buxton, CJ Mecham, Laura Redford and Kathy Turner (Russ Verhoef needed to leave early). The motion passed unanimously.

Adjourned: 7:10 p.m.

Jay Przybyla, Chair

Approved: June 6, 2023

MAG

Regional Transportation Planning and Programming

ITE Ideal Grid Network

Proper spacing of corridors:

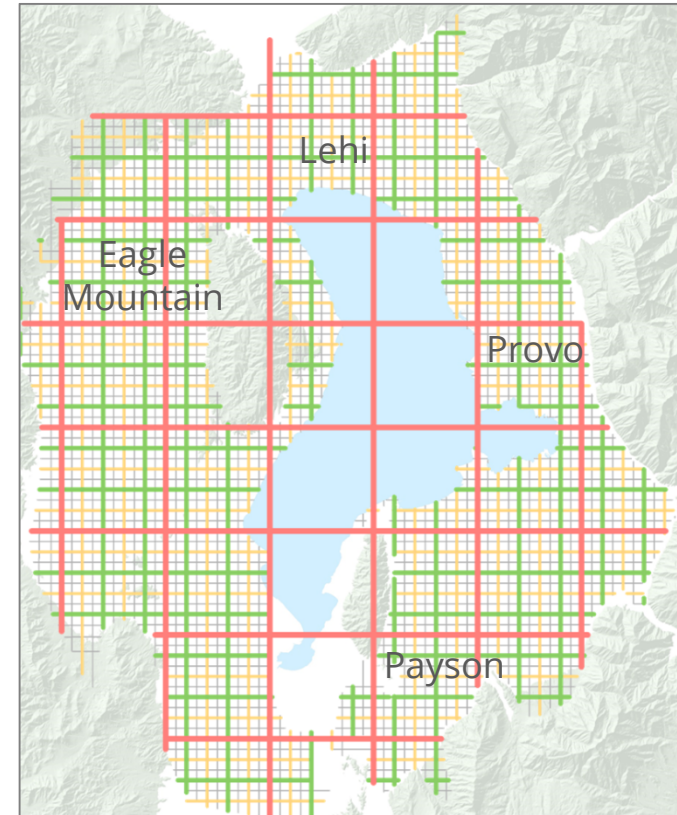
Freeway 5 miles

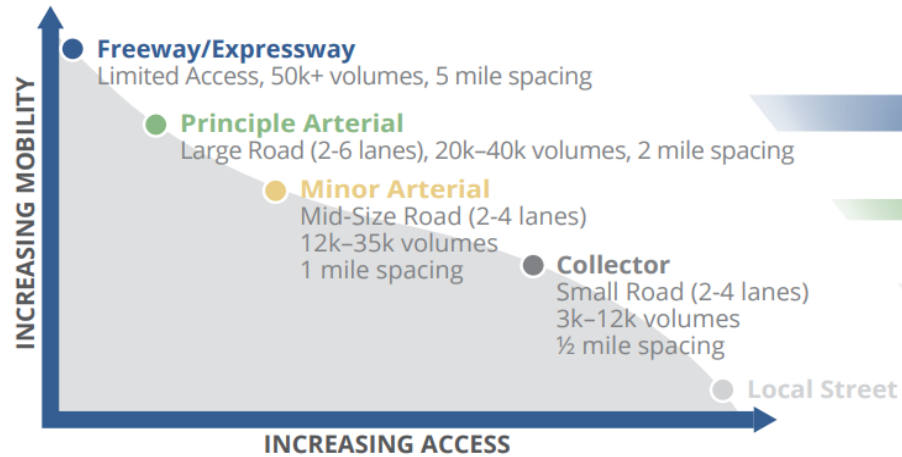
Arterial 1-2 miles

Collector ½ mile

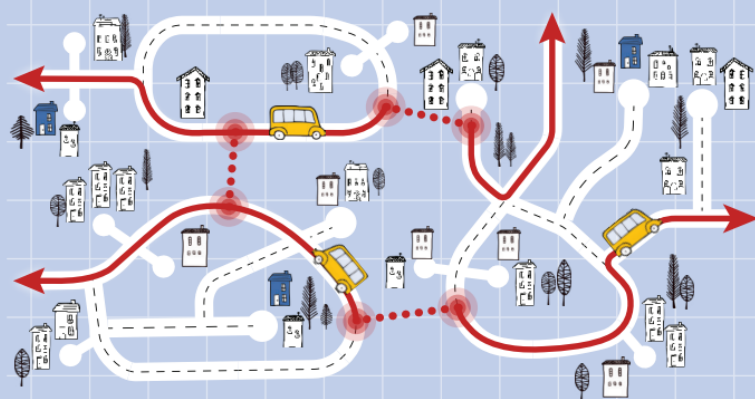
What is a Collector, Arterial?

- Freeways | Limited Access | High Speeds
- Principal Arterials | Large Road | 2-6 lanes
- Minor Arterials | Mid Size Road | 2-4 lanes
- Collectors | Small Road | 2,4 lanes

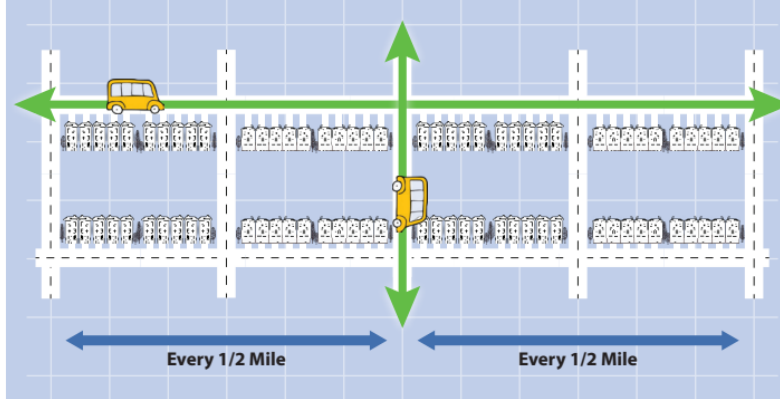




POOR Transit Connectivity WITHOUT Grid Network



IDEAL Transit Connectivity WITH Grid Network

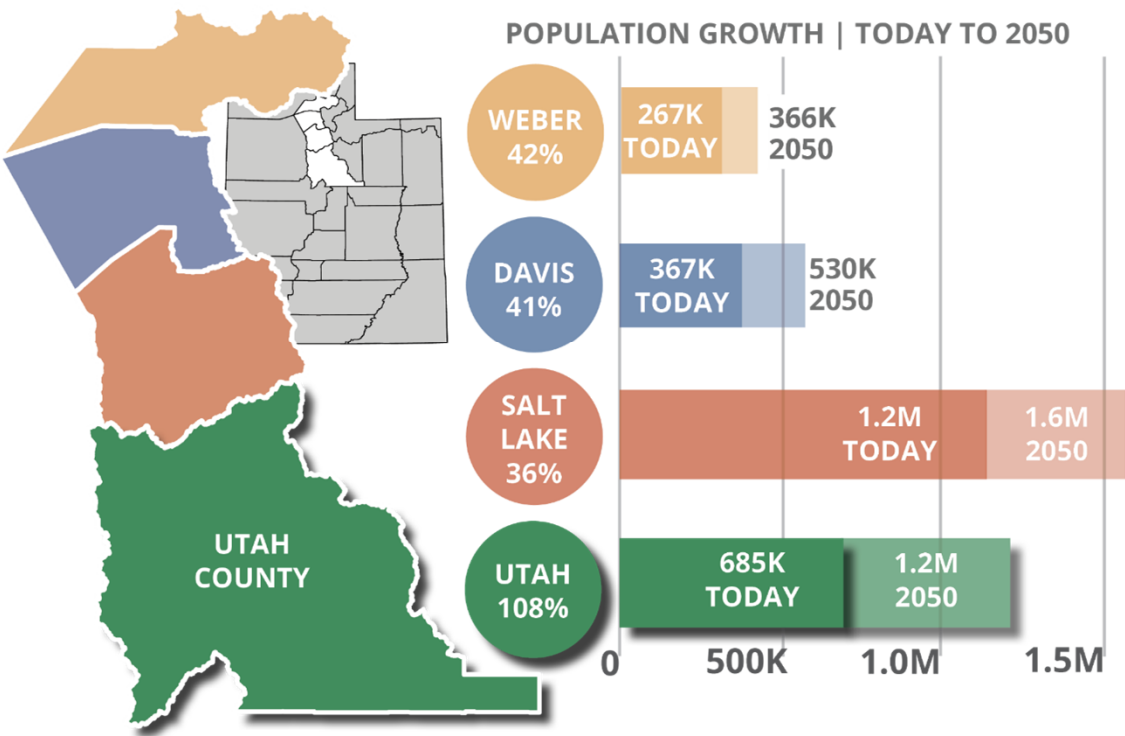


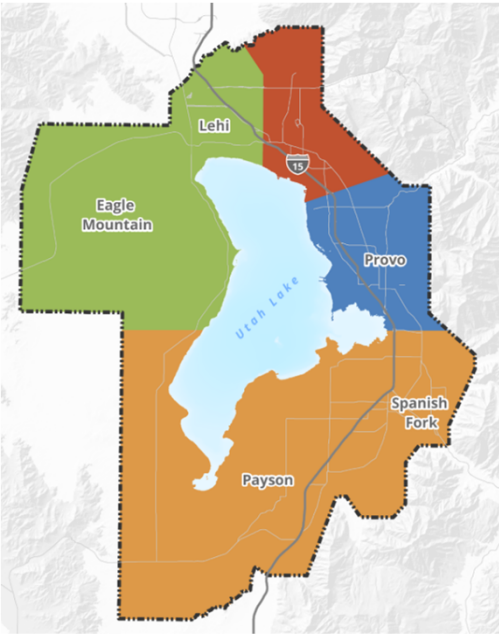
Introduction

- Mountainland MPO updates the regional transportation plan (RTP) every four years to
 - be in tune with changing growth trends,
 - comply with federal and state regulations, and
 - educate on the transportation challenges present in the region



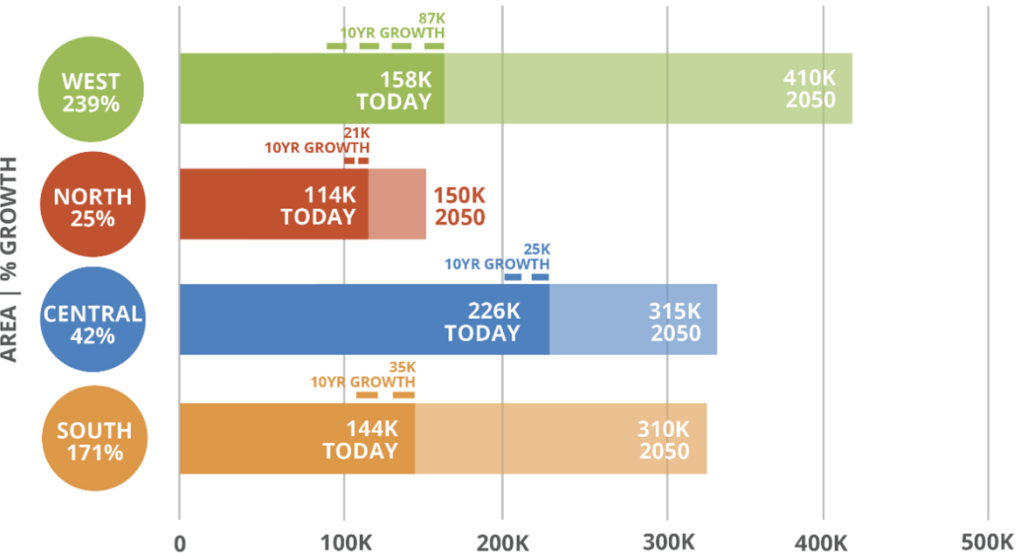
POPULATION WASATCH FRONT COUNTIES

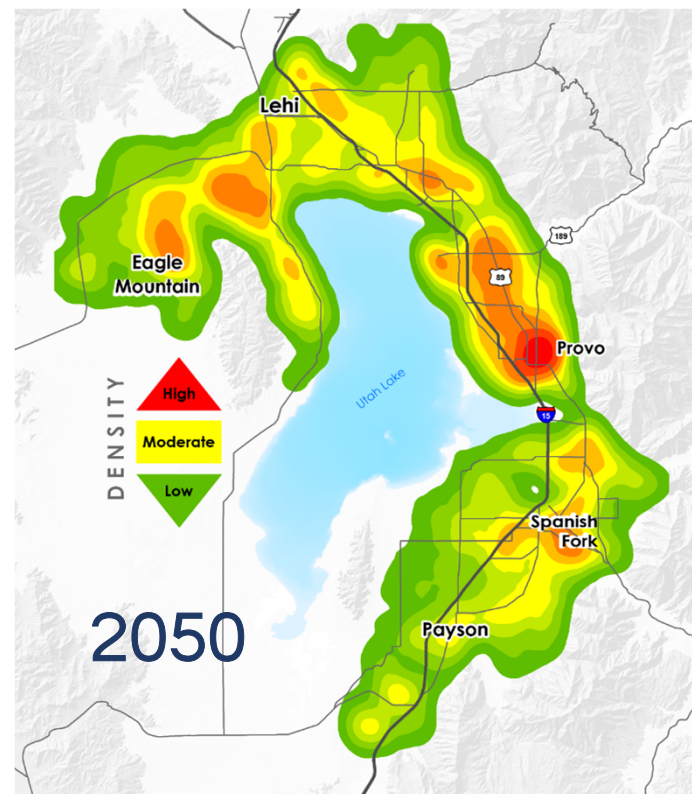
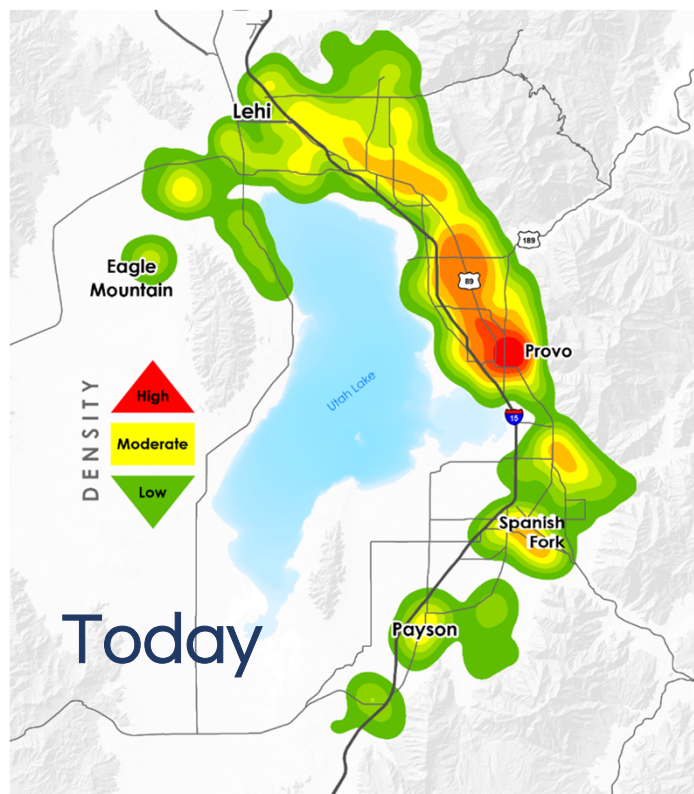


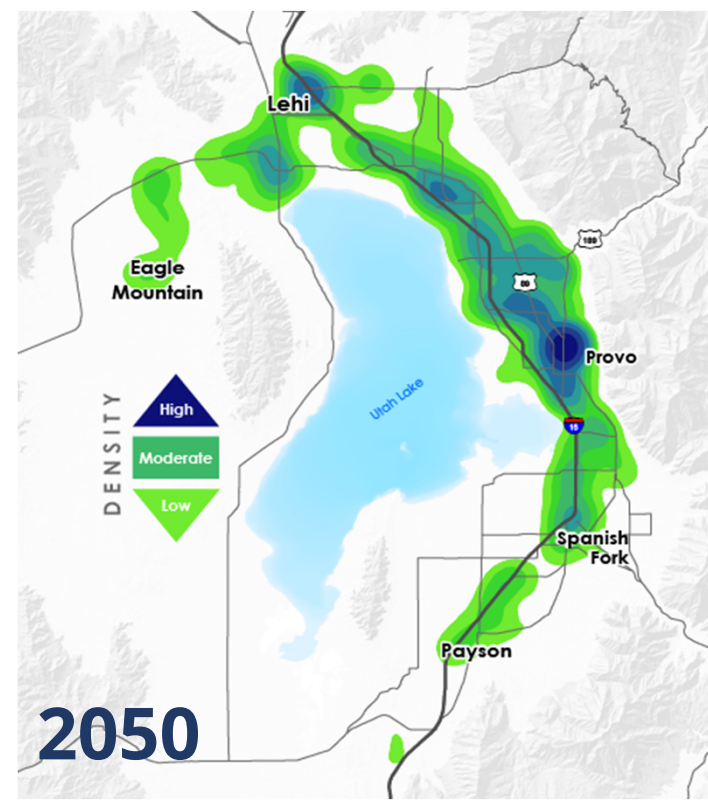
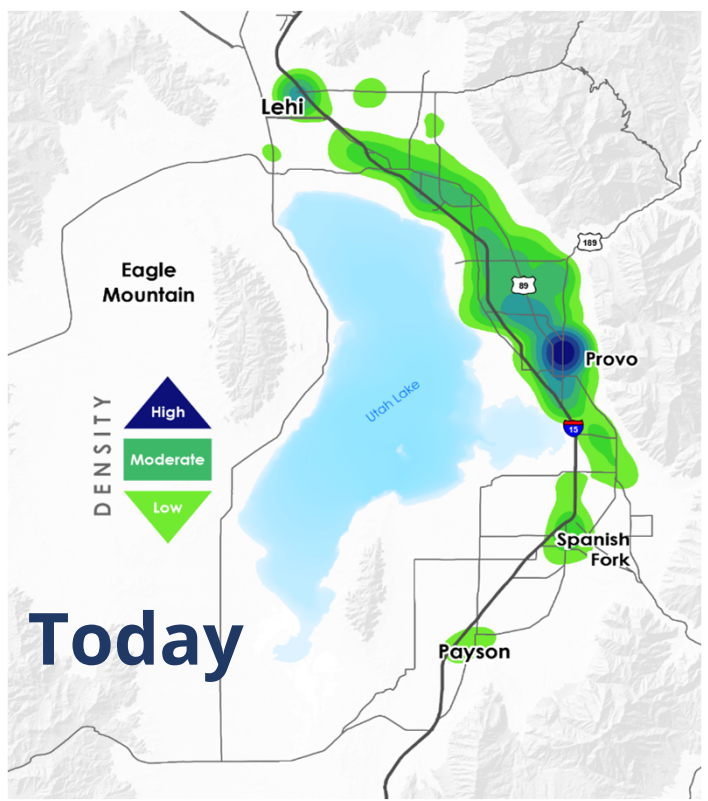


MPO Boundary North West Central South

POPULATION GROWTH BY SUB-COUNTY AREA







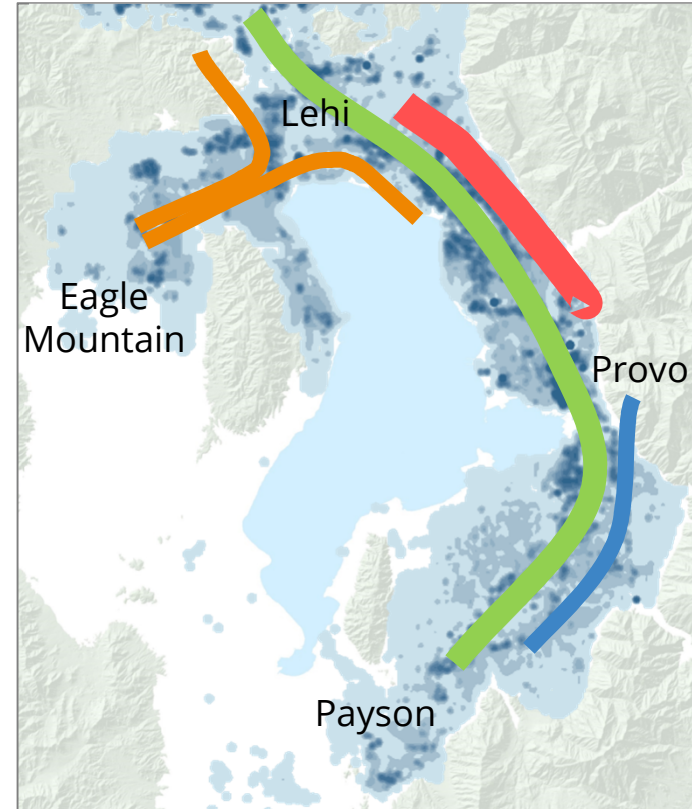
Main Commute Movements

Cedar Valley Split

North to Central County

South to Central County

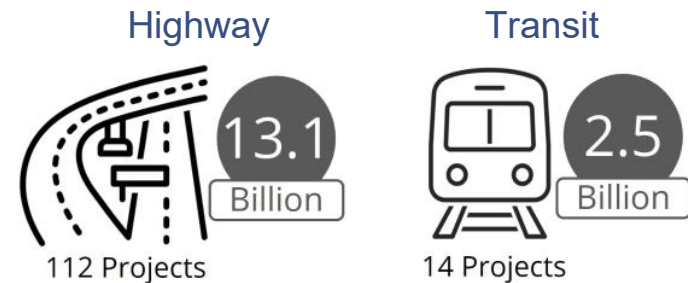
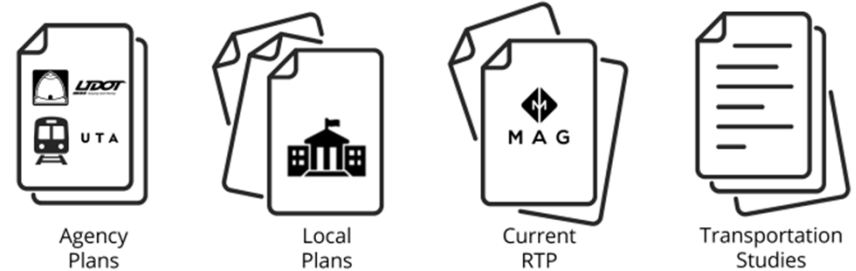
County-wide to Salt Lake County



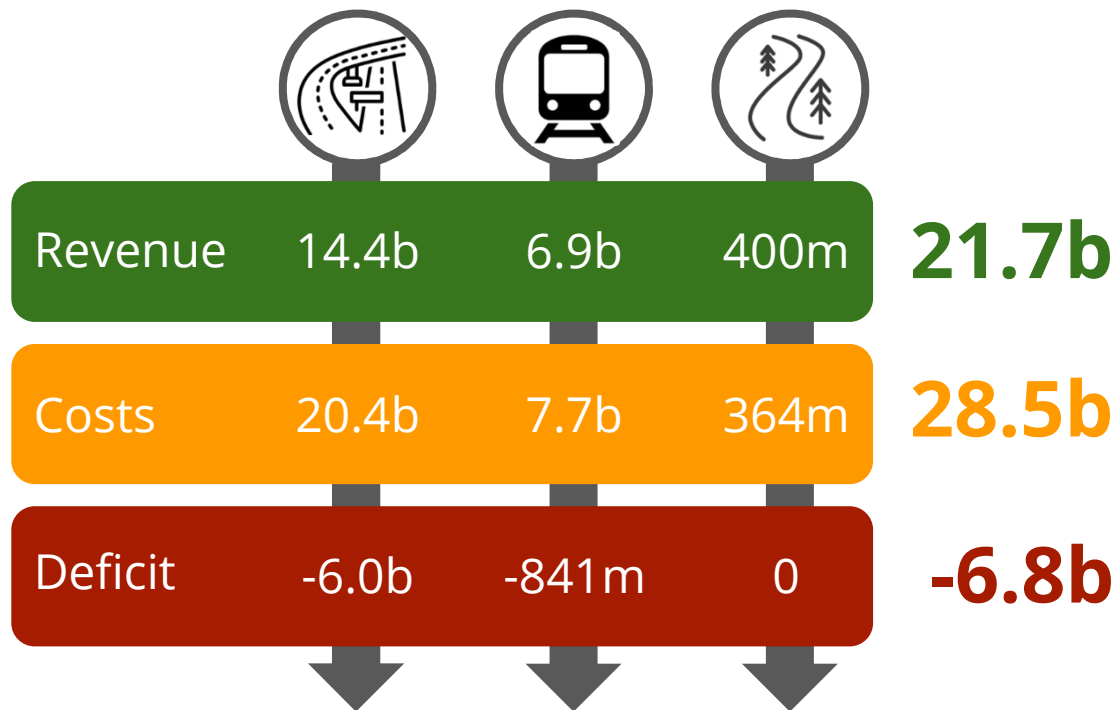
Needs-based Project Development

- Modeled in MAG's land use and travel demand model
- Congestion reduction and good ridership
- If a project doesn't show a regional benefit, it is not included list but can be shown as a vision project

Project Sources



Revenue, Costs, Deficit



Federal Funds
State Funds (overall)
Sales Tax Funds



State Funds to
Utah County

Funded, Delayed, Unfunded Highway Projects

1

2023-32

59 Needed Projects
Cost \$4.8 billion

*27 Funded \$1.9b
32 Delayed \$2.9*

2

2033-42

28 Needed Projects
Cost \$4.3 billion

*3 Funded \$123m
19 Delayed \$2.6b
6 Unfunded \$1.6b*

3

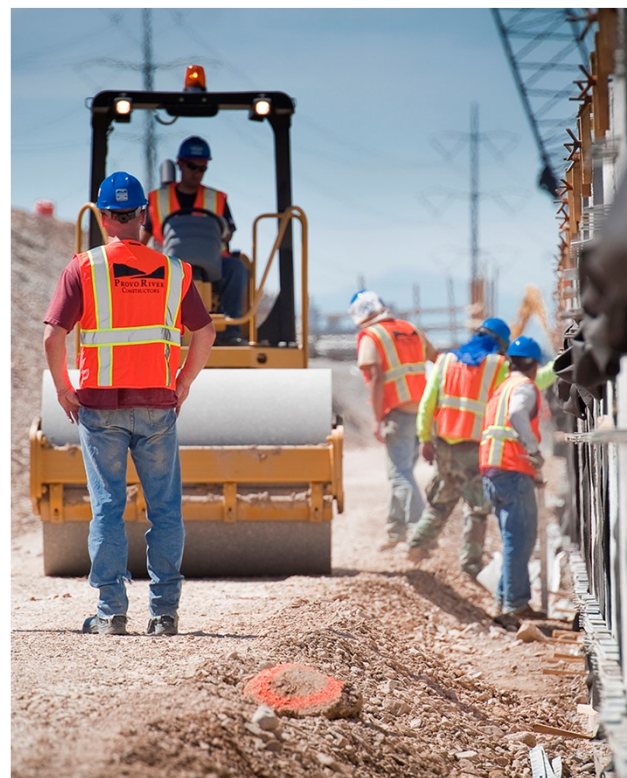
2043-50

24 Needed Projects
Cost \$4.6 billion

24 Unfunded \$4.6b

<https://storymaps.arcgis.com/stories/3003647d673d4f0287bcc1b3b7cff68b>

Planning vs Programming



Programming – How a project gets built.

Transportation Improvement Program (TIP)

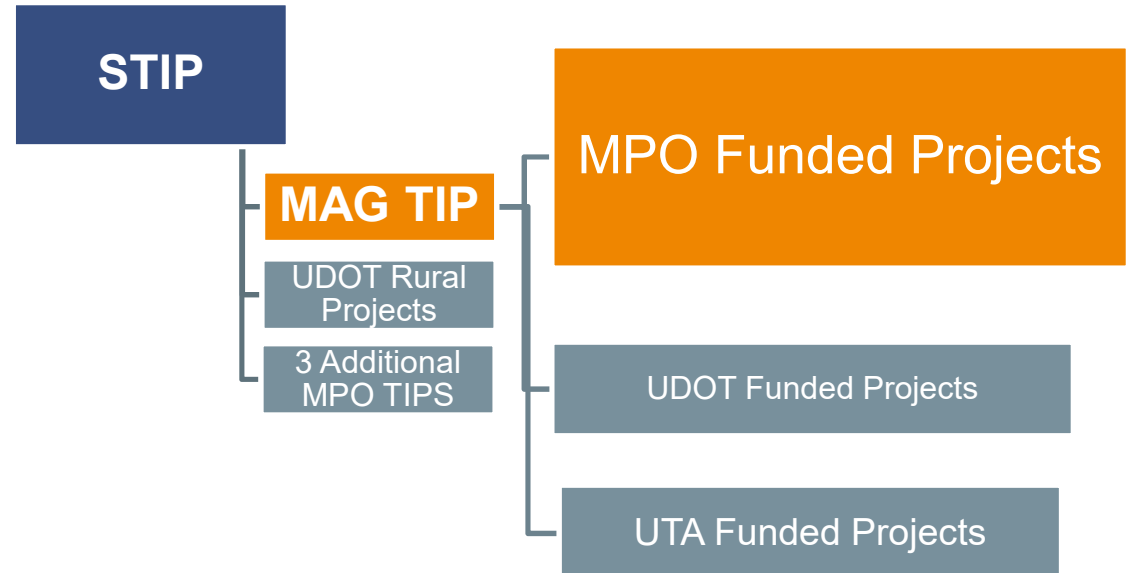
MAG Funded

Selection process every 2 years

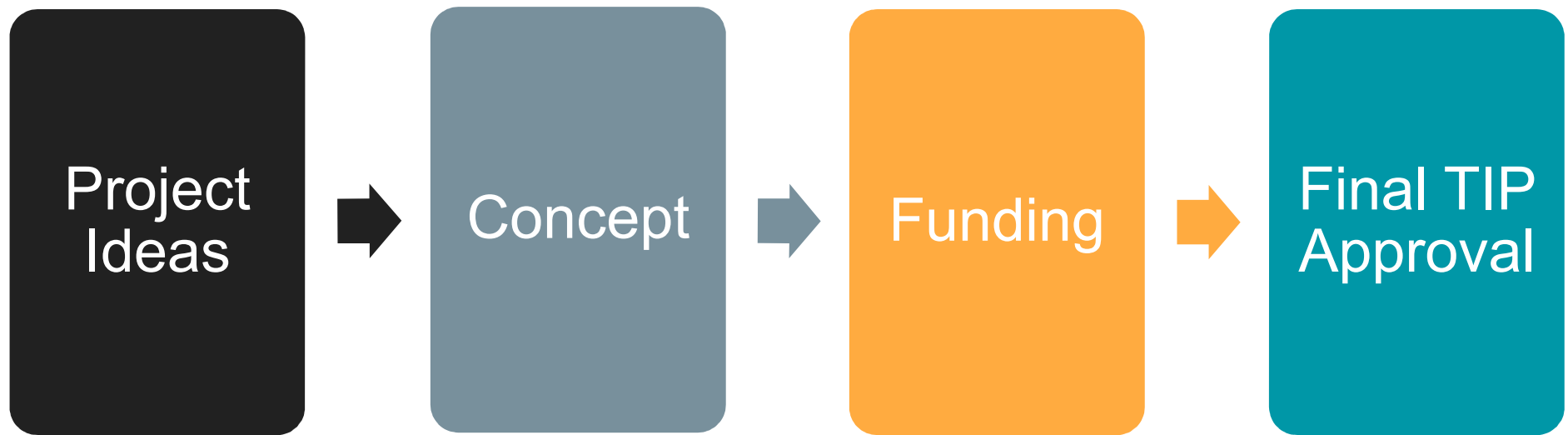
MPO Board approves projects

About \$100 Million each cycle
Federal
County
Exchange (State)

Currently programmed out through 2026

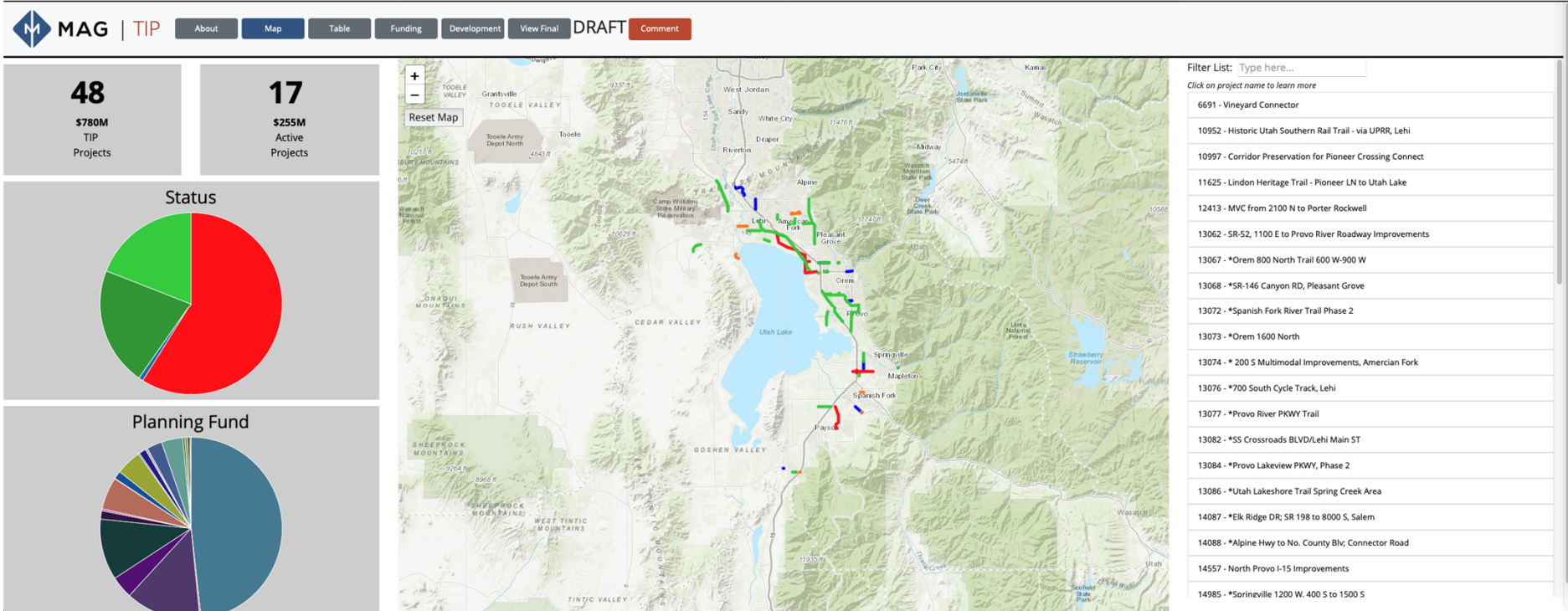


MPO Selection Process



Project Info	Action	Funding
Orem Center ST - Geneva RD to I-15	Widen to 4 lanes	1,655,150
Orem 800 North Trail 600 W-900 W	New construction/reconstruction	91,410
Orem 1600 North	PE / Environmental work	839,800
Orem-State ST Medians	Raised Medians	1,275,000
Orem 1600 N ROW Phase 2	ROW Purchase	2,608,696
Orem-1600 N; State ST to I-15	Right of Way	4,250,000
Orem-1200 S/400 W Roundabout Improvements	Roundabout Improvements	2,300,000
Orem 1600 N / 400 E Roundabout	New Roundabout with Trail	1,391,304
Orem 1150 S / State ST Intersection Relocation	Relocate Intersection	1,689,000
Orem Center ST, 1200 W Intersection	Intersection improvement	3,825,000
Orem Lakeview PKWY, Geneva RD to 2000 S	New 5-lane road	14,698,200
		\$ 34,623,560

2023 TIP



Successful TIP Projects

Good Attributes

- Major Collector or above
- New Connection
- Last Phase
- Local Participation
- Complete Streets
- Cost-effective

Bad Attributes

- Minor Collector or Local
- Through developable land
- Costly ROW
- Substandard Design
- No logical Termini

Questions?

Robert Allen
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