

# UTA Board of Trustees Meeting

June 26, 2024



# Call to Order and Opening Remarks



# Pledge of Allegiance



# Safety First Minute



# Public Comment

- Live comments are limited to 3 minutes per commenter
- Live comments may be heard from in-person attendees as well as Zoom attendees
- For comments via Zoom, use the “raise hand” function in Zoom to indicate you would like to make a comment
- Public comment was solicited prior to the meeting through alternate means, including email, telephone, and the UTA website
- Any comments received through alternate means were distributed to the board for review in advance of the meeting



# Consent Agenda

- a. Approval of June 12, 2024, Board Meeting Minutes



# **Recommended Action**

## **(by acclamation)**

Motion to approve the consent agenda



# Reports





# Executive Director Report

- Strategic Plan Minute
- Polarized Infrared Optical Imaging Transit Infrastructure Project Update
- Employee Memorial – Sergeant Rich Clawson





# Strategic Plan Minute

6/26/24



**Agenda Item 6.a.**

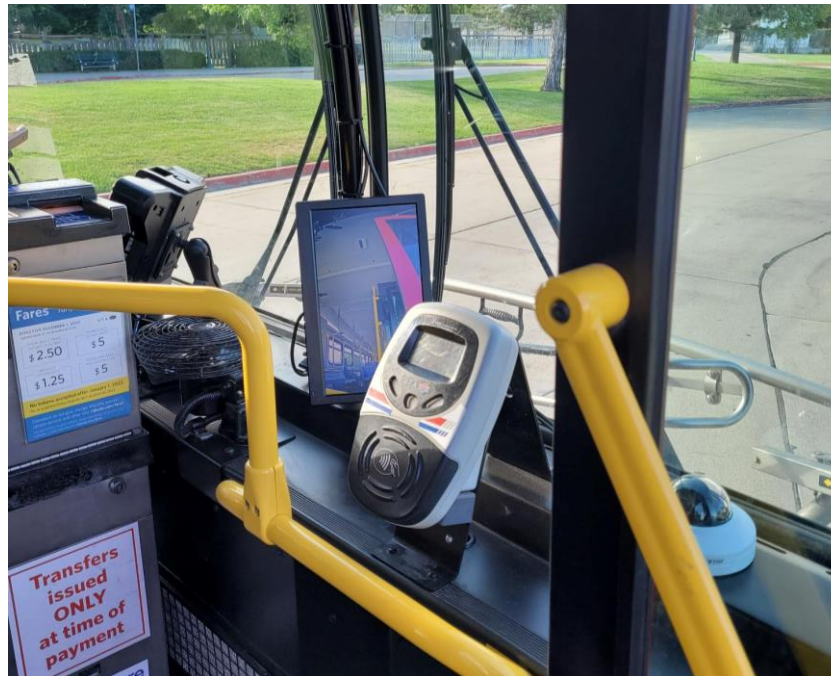


**Achieving Organizational Excellence**



## Improve Health & Safety in the System Initiative

- Piloting a live video monitor on the bus

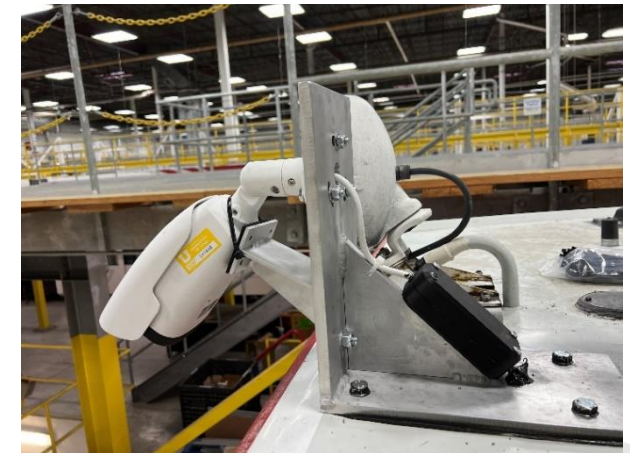
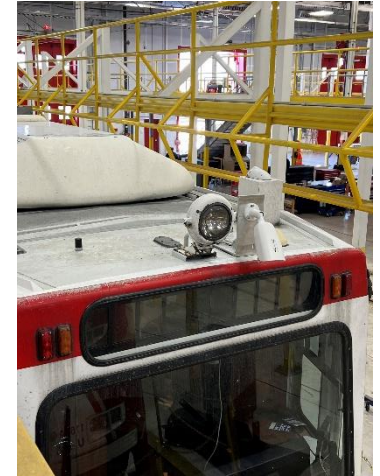


# **Polarized Infrared Optical Imaging Transit Infrastructure Project Update**



# Polarized Infrared Optical Imaging Transit Project

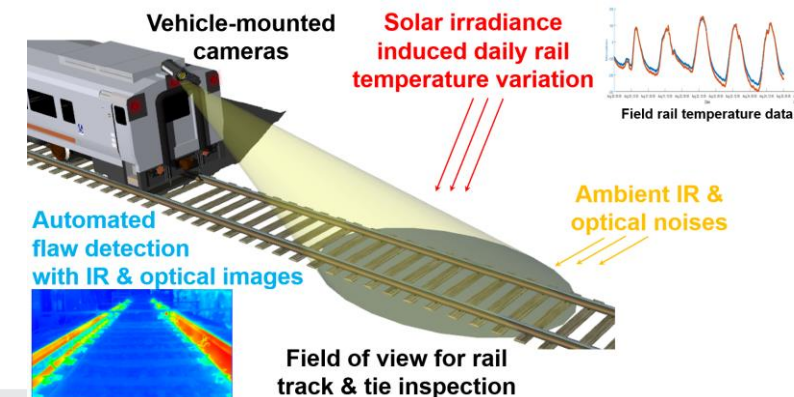
- The transit industry is concerned about safety issues arising from track and tie structural deficiencies, which can result in accidents, derailments, and harm to transit employees
  - Currently, track inspections are conducted by workers who walk along the corridor when the rail is not in service
  - Ultrasonic rail flaw detection is also utilized, but it has limitations
- To address these challenges, UTA partnered with the University of Utah (U of U) and Visionairo Systems (Visionairo)
  - This initiative was funded by the Federal Transit Administration through the Real-Time Transit Infrastructure and Rolling Stock Condition Assessment Research and Demonstration Program
  - Together, the project team has conducted research on an automated rail track and tie inspection system



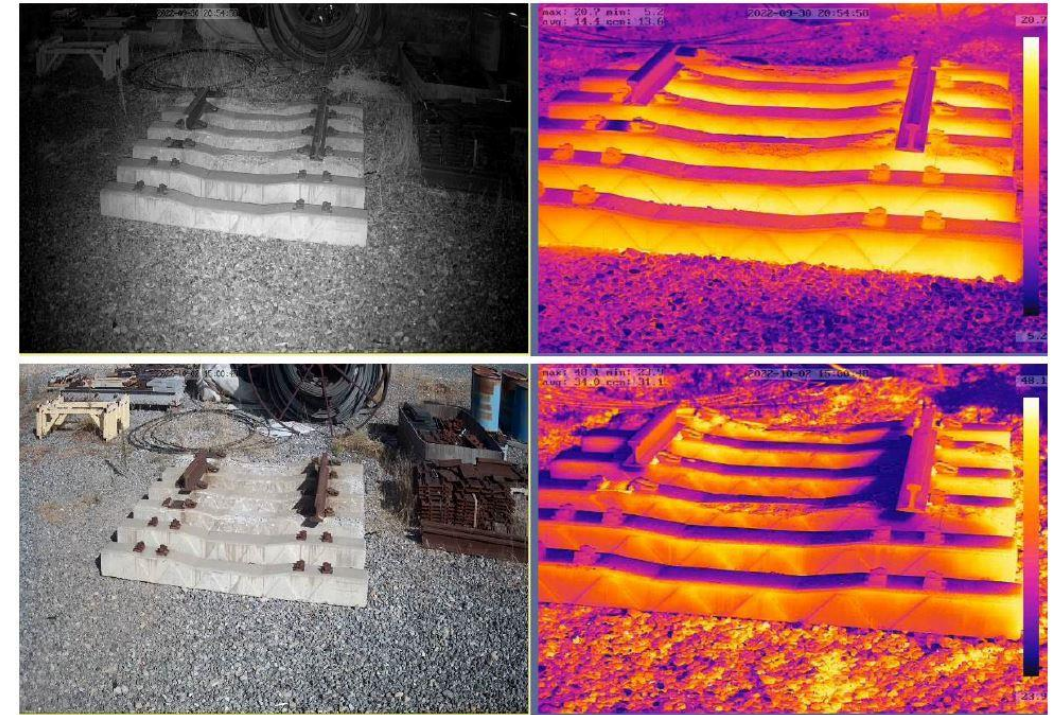
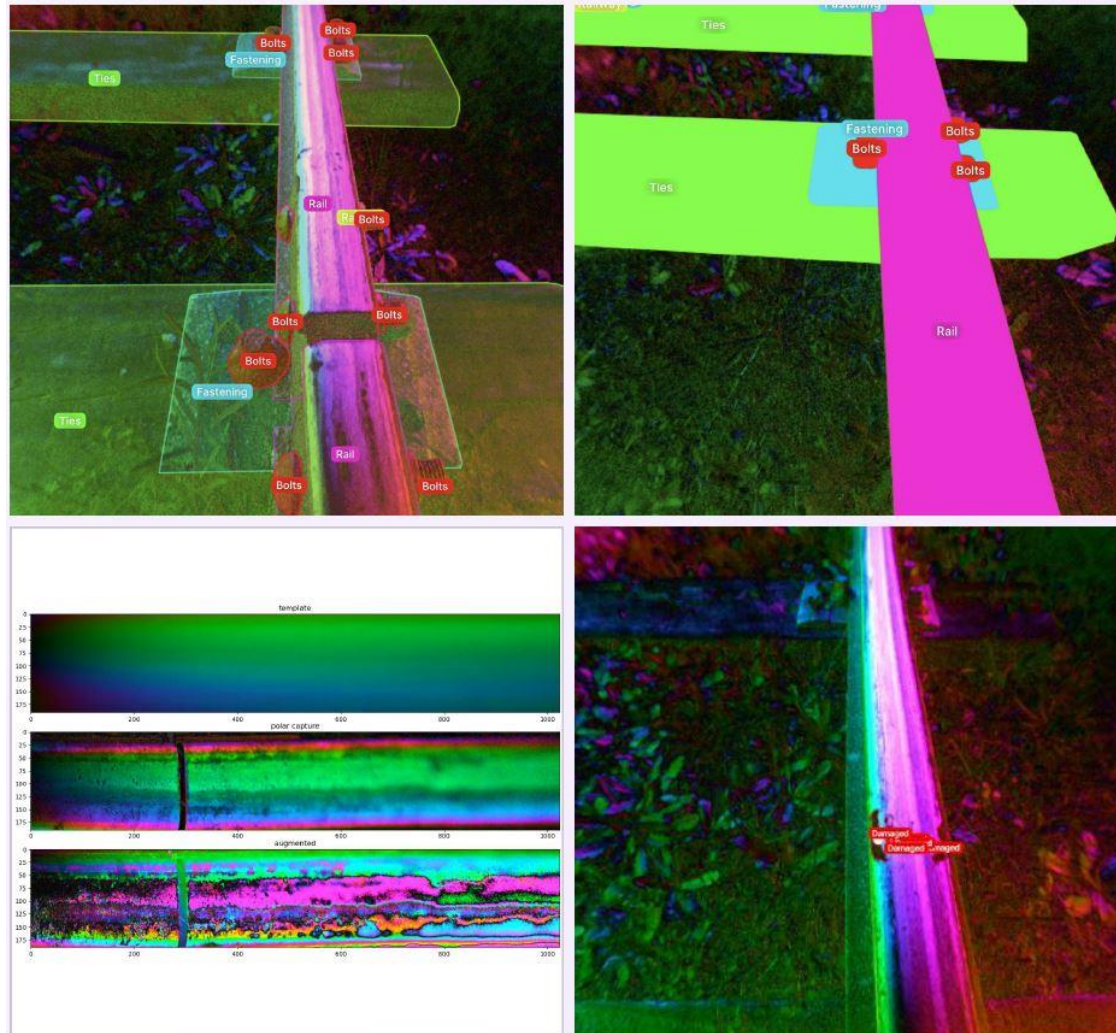


# Polarized Infrared Optical Imaging Transit Project

- This project had two overarching objectives. **To enable early detection and long-term monitoring of hazardous asset condition**, the project team:
  - Developed a polarized infrared measurement system for internal structural deficiency inspection (U of U)
  - Developed a polarized optical measurement system for external structural deficiency inspection (Visionairo)
- **To enhance the system robustness and improve right-of-way safety for transit workers**, the project team:
  - Developed an in-motion track structural deficiency inspection prototype
  - Demonstrated and evaluated prototype performance on revenue-service lines
- This project covered three phases: research, development, and demonstration
  - Final demonstration testing was completed on UTA's light rail system last month



# Polarized Infrared Optical Imaging Transit Project



# **Employee Memorial**

## **Sergeant Rich Clawson**





# Sergeant Rich Clawson



# **Committee on Accessible Transportation (CAT) Annual Report**



## CAT Committee Objective

“... To offer advice to UTA on ways to provide access to fixed route and rail services and to complementary Paratransit service for people functionally not able to use the fixed route system. The CAT will provide broad representation of the disability and senior communities, as well as representation of UTA.”



# Significant Contributions



## Active Participation In UTA Strategic Initiatives

- Critical feedback for the Paratransit Forward Study
- Presentation at the Utah Transportation Conference regarding Access for ALL Users
- Revised CAT Charter to reflect more inclusive language

Agenda Item 6.b.





# Current Initiatives

- Implement more targeted outreach information about transit
- Enhance direct engagement with riders
- Provide specific feedback on ways UTA can improve accessibility and enhance wayfinding for all customers

Agenda Item 6.b.



## Past Initiatives

- Improve accessibility of communications to customers
- Explore assistive technology options
- Suggest improvements for accessibility of temporary bus stops
- Assist with implementation of visual announcement boards in buses





## Current Feedback

- Improved descriptions of UTA On Demand Zones
- Improved communication on detours
- Positive feedback on OGX lighting

Agenda Item 6.b.





## Past Feedback

- Seatbelt extenders in On Demand vehicles
- Use of Red/Green line cars for Blue line operations during maintenance projects
- “Virtual” bus stops for common destinations in On Demand service areas



## Next Steps

- Annual ADA Celebration on July 25, 2024 at 12pm
  - Promontory Summit
- Interviews for new members held on June 4, 2024
- Identification of Committee and Subcommittee goals for 2024-2025



# Questions?



# Discretionary Grants Report



# Agenda

- **Grant Applications Not Selected**
- **Grant Applications Awaiting Selection**
- **Discretionary Grants/Appropriations Selected**

FHWA	Federal Highway Administration
UDOT	Utah Department of Transportation
TTIF	Transit Transportation Investment Fund
FTA	Federal Transit Administration
CMAQ	Congestion Mitigation Air Quality
CRP	Carbon Reduction Program
STBG	Surface Transportation Block Grant
TAC	Technical Advisory Committee
WFRC	Wasatch Front Regional Council
MAG	Mountainland Association of Governments
TAP	Transportation Alternatives Program



# Grants Update – June 2024

Grant Applications Not Selected	Request	Date Submitted
WFRC FY30 Flex – Light Rail Replacement Project	\$8M	12/7/2023
WFRC FY30 Flex – Mt. Ogden Operations & Admin Facility	\$4M	12/7/2023
WFRC FY30 Flex – UTA New Radio System	\$8M	12/7/2023
WFRC FY30 Flex – 5600W Core Route Operations	\$6M	12/7/2023
MAG FY27 Flex – New Flex Route in South Valley	\$1.8M	3/11/2024
MAG FY27 Flex – UTA New Radio System	\$2M	3/11/2024
MAG FY27 Flex – UTA On Demand Service	\$5.6M	3/11/2024



# Grants Update – June 2024

Grant Applications Awaiting Selection	Request	Date Submitted
FY23 UDOT TTIF – Davis Salt Lake Community Connector – Recommended \$18M	\$25M	08/31/23
FY30 CMAQ - Davis/SLC Community Connector – TAC Proposed \$3M (\$1M SL & \$2M O/L)	\$10M	12/7/23
FY30 STBG SL Techlink Corridor Conceptual Design and NEPA – TAC Proposed \$2M	\$2M	12/7/23
FY24 FTA Innovative Coordinated Access & Mobility – Temporary Trips Project	\$320K	2/13/2024
FY25 Community Project Funding – Replacement LR Vehicles	\$5M	2/29/2024



# Grants Update – June 2024

Grant Applications Awaiting Selection	Request	Date Submitted
FY25 Community Project Funding – Technical Training Education Center	\$5M	2/29/2024
FY24 Low & No Emissions – Battery Electric Buses	\$20.6M	4/25/2024
FY24 Bus and Bus Facilities – Mt. Ogden Ops & Admin Building	\$14.8M	4/25/2024
Total Awaiting Selection	\$82.72M	





# Grants Update – June 2024

Discretionary Grants/Appropriations Selected	Federal Amount
FY 23 FTA Transit Oriented Development Planning (TOD) – FrontRunner Corridor TOD Market, Housing, and Economic Impact Analysis	\$360K
FY23 5600 West Core Route - Community Project Funding	\$3.5M
FTA Small Starts – MidValley Connector (Allocated)	\$54.7M
FY23 FTA Low and No Emission Vehicles – 25 CNG Buses	\$17.1M
FY24 Electric Bus Charging Implementation - Community Project Funding	\$2M
FY20, 21, 22 & 23 CMAQ SL/OL/PO Rideshare/Vanpool & UVX Operations	\$3.7M
FY22 & 23 MAG CRP UVX 900 E Station	\$4M
FY19 WFRC TAP Bus Bike Racks & FrontRunner Bike Car Installations	\$80K



# Grants Update – June 2024

Discretionary Grants/Appropriations Selected	Federal Amount
FY19-21 WFRC STBG/CMAQ OGX Capital	\$7.4M
FY23 WFRC STBG – Point of the Mountain Environmental	\$2M
FY23 WFRC CRP OL– On Route Charging OGX	\$1.4M
FY23 WFRC STBG SL Transit Signal Priority Equipment for Buses	\$238K
FY23 WFRC CRP SL On-Route Electric Bus Infrastructure	\$580K
FY23 WFRC CRP SL Locomotive Overhaul	\$325K
FY23 WFRC CMAQ SL – 5600 West Core Route - Construction	\$2M
FY23 WFRC STBG OL Transit Signal Priority Equipment for Buses	\$79K



# Grants Update – June 2024

Discretionary Grants/Appropriations Selected	Federal Amount
FY23 WFRC CRP OL Locomotive Overhaul	\$1M
FY19 WFRC CMAQ Intelligent Transportation System Signage & 3300/3500 S Bus Stops	\$4.1M

**TOTAL of Selected/Appropriated**

**\$104,562M**



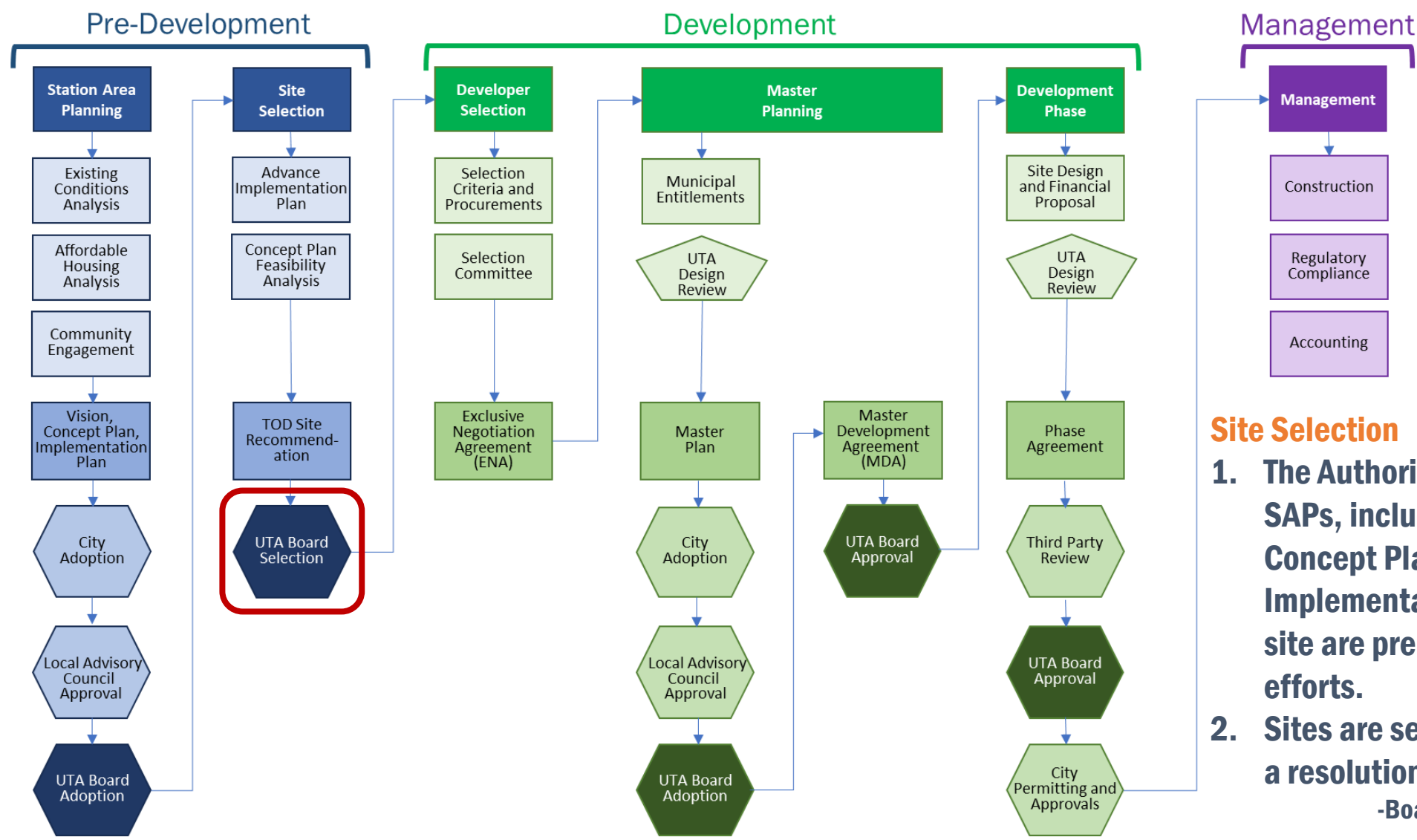
# Resolutions



# **R2024-06-08 - Resolution Designating the Midvale Center Station a Transit Oriented Development Site**



# UTA TOC Planning and Development Process



## Site Selection

1. The Authority analyzes findings from SAPs, including feasibility of the Concept Plan and progress of the Implementation Plan, to determine if site are prepared for development efforts.
2. Sites are selected for development by a resolution of the Board of Trustees.

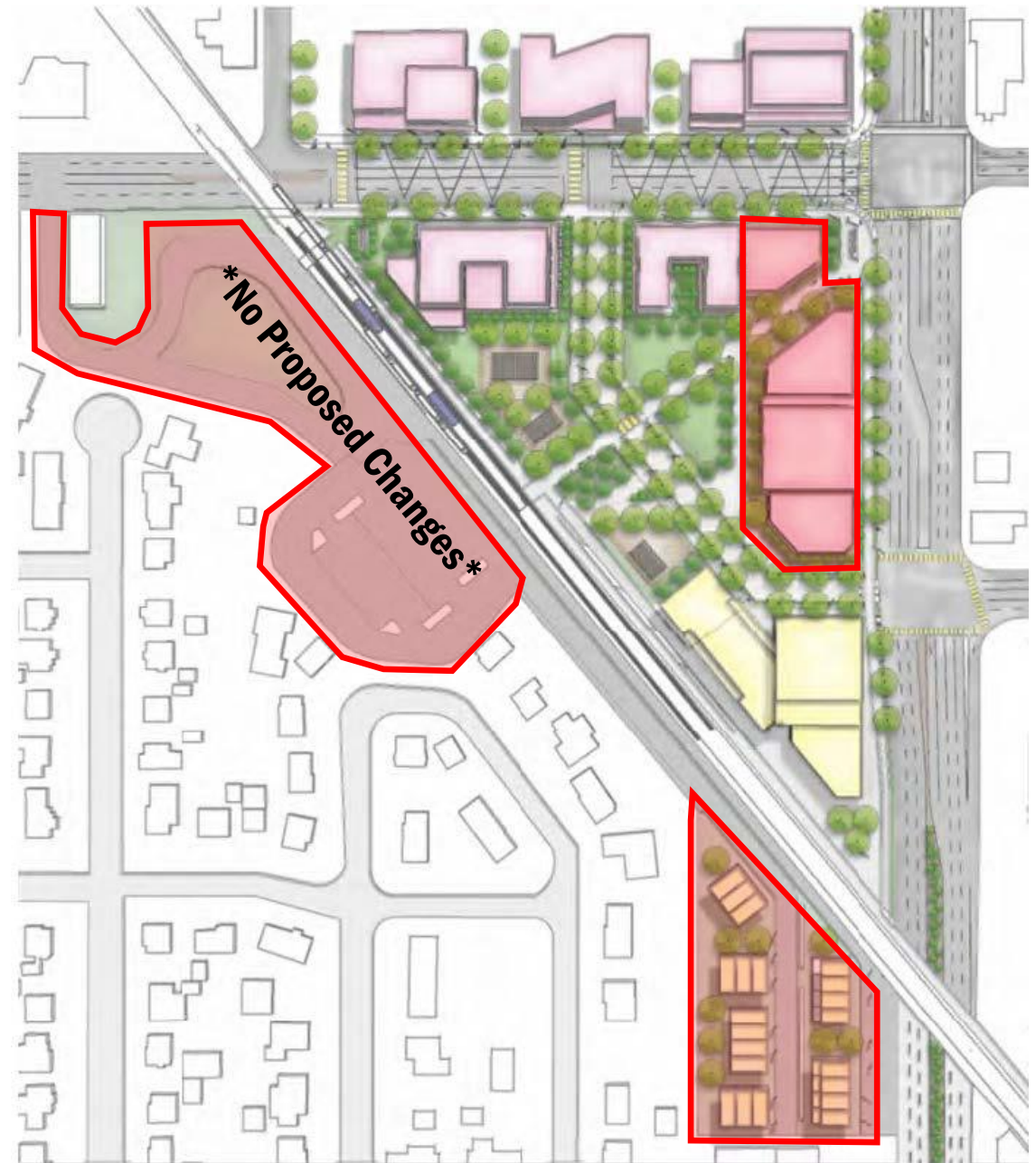
-Board of Trustees Policy No 5.1, III.C

# Midvale Center Station Area Concept Plan

UTA parcels designated as  
“High-Priority” for redevelopment

Plan calls for:

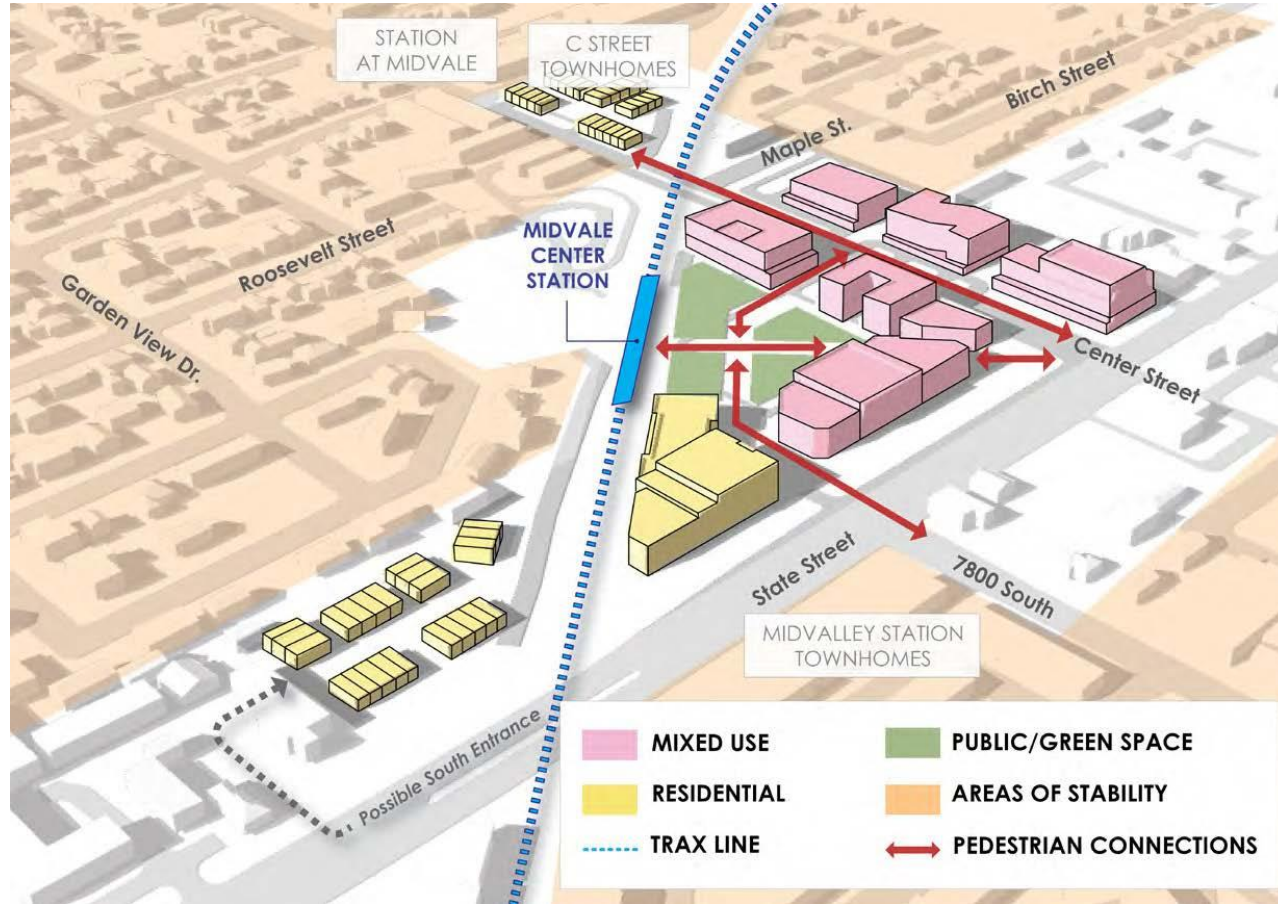
- Mixed-Use & Residential
- Park & Ride lot adjacent to platform remains unchanged
- Public green space added near TRAX platform





# Midvale Center Station Area

## Implementation & Market Feasibility



### Plan Implementation

- Redevelop underutilized south Park & Ride lot for residential use
- Existing ENA – waiting for UTA approvals for joint development opportunities
- Issue RFPs for development partners

### Market Feasibility

- Station Area Plan development scenarios and anticipated absorption are *consistent with market trends*.
- There are *developers in the market interested* in the UTA property at Midvale Center for residential and mixed-use development.



# Recommended Action

(by roll call)

Motion to approve R2024-06-08 - Resolution Designating the Midvale Center Station a Transit Oriented Development Site, as presented



# Contracts, Disbursements, and Grants



# **Contract: Outside Legal Services – Public and Project Finance (Chapman and Cutler)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Chapman and Cutler  
for Outside Legal Services, as presented



# **Contract: Outside Legal Services – Public and Project Finance and Tax (Gillmore Bell)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Gillmore Bell  
for Outside Legal Services, as presented



**Contract: Outside Legal Services - Labor and  
Employment, Environmental, Litigation, Bankruptcy,  
Public and Project Finance,  
Commercial Lease Law, Policy Drafting  
(Fabian VanCott)**

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**Recommended Action  
(by acclamation)**

Motion to approve the Contract with Fabian VanCott  
for Outside Legal Services, as presented



# **Contract: Outside Legal Services – Pension, Labor and Employment, Immigration, Transportation Law (Jackson Lewis PC)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Jackson Lewis PC  
for Outside Legal Services, as presented



**Contract: Outside Legal Services - Environmental Law,  
Railroad Law, Surface Transportation Board (STB),  
National Transportation Safety Board (NTSB),  
Transportation Law  
(Kaplan, Kirsch and Rockwell LLP)**

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**Recommended Action  
(by acclamation)**

Motion to approve the Contract with Kaplan, Kirsch and Rockwell LLP for  
Outside Legal Services, as presented



# **Contract: Outside Legal Services - Labor and Employment, Environmental, Litigation, Railroad Law, Bankruptcy, Tax Law, Transportation Law, Intellectual Property Law, and Construction Law (Parsons, Behle and Latimer, PLC)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Parsons, Behle and Latimer, PLC  
for Outside Legal Services, as presented





# **Contract: Outside Legal Services - Officer Involved Critical Incidents, Bankruptcy, Construction Law, Commercial Leasing Law (Spencer Fane LLP)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Spencer Fane LLP  
for Outside Legal Services, as presented



# **Contract: Outside Legal Services - Pension, Immigration, Intellectual Property (Kutak Rock LLP)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Kutak Rock LLP  
for Outside Legal Services, as presented



# **Contract: Outside Legal Services – Construction Law (Nossaman LLP)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Nossaman LLP  
for Outside Legal Services, as presented



# **Contract: Outside Legal Services - Railroad Law, Surface Transportation Board (STB), National Transportation Safety Board (NTSB), and Communications Law (Venable LLP)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Venable LLP  
for Outside Legal Services, as presented



# **Contract: Program Management Right of Way Acquisition Services (Horrocks Engineers, Inc.)**

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## **Recommended Action (by acclamation)**

Motion to approve the Contract with Horrocks Engineers, Inc. for Program Management Right of Way Acquisition Services, as presented



# **Change Order: South Jordan Downtown TRAX Station Construction Services Change Order No. 1 - Phase 2 Construction (Paulsen Construction LLC)**

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## **Recommended Action (by acclamation)**

Motion to approve Change Order No. 1 with Paulsen Construction LLC for  
South Jordan Downtown TRAX Station Phase 2  
Construction Services, as presented



# **Change Order: Avenues Bus Stop Improvements**

## **Change Order No. 1 - Phase 2 Construction**

### **(Landmark Companies, Inc.)**

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### **Recommended Action**

#### **(by acclamation)**

Motion to approve Change Order No. 1 with Landmark Companies, Inc.  
for Avenues Bus Stop Improvements Phase 2 Construction Services, as presented



# **Change Order: Master Task Ordering Agreement for Bus System Enhancement Design Services Consultant Pools A, B, C - Change Order No. 1 – Exercise of Option Years 1 and 2 (Focus Engineering and Surveying, LLC)**

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## **Recommended Action (by acclamation)**

Motion to approve Change Order No. 1 with Focus Engineering and Surveying, LLC to exercise option years 1 and 2 for Bus System Enhancement Design Services Consultant Pools A, B, and C, as presented





# **Change Order: Master Task Ordering Agreement for Bus System Enhancement Design Services Consultant Pools A, B, C - Change Order No. 1 – Exercise Option Years 1 and 2 (Kimley Horn and Associates, Inc.)**

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## **Recommended Action (by acclamation)**

Motion to approve Change Order No. 1 with Kimley Horn and Associates, Inc.  
to exercise option years 1 and 2 for Bus System Enhancement  
Design Services Consultant Pools A, B, and C, as presented



# **Change Order: On-Call Infrastructure Maintenance Contract Task Order #24-022 - 1700 S TRAX Grade Crossing (Stacy and Witbeck, Inc.)**

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## **Recommended Action (by acclamation)**

Motion to approve Task Order #24-022 to the On-Call Infrastructure  
Maintenance Contract with Stacy and Witbeck, Inc.  
for 1700 S TRAX Grade Crossing Replacement, as presented



# **Change Order: Next Generation Fare Collection System Change Order No. 4 - Media Converters (Scheidt & Bachmann USA, Inc.)**

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## **Recommended Action (by acclamation)**

Motion to approve Change Order No. 4 with  
Scheidt & Bachmann USA, Inc. for Next Generation Fare Collection System  
- Media Converters, as presented



# Service and Fare Approvals



# **Fare Agreement: Medicaid Transit Pass Agreement - Amendment Two (Utah Department of Health)**

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## **Recommended Action (by acclamation)**

Motion to approve Amendment Two to the Medicaid Transit Pass Agreement with the Utah Department of Health, as presented



# Budget and Other Approvals





**TBA2024-06-02 - Technical Budget  
Adjustment - Capital Funds transfer from  
MSP263: TOD Working Capital Project to  
MSP262: SL FLHQ Project**



# TBA 2024-06-02 – Capital Funds Transfer

## Summary of Budget Request

Request is to reallocate \$3.160 M in existing 2024 Capital Budget from MSP263 – TOD Working Capital to MSP262 – SL FLHQ.

Project Code/Name	2024 Budget	Requested Amount	Total
MSP262 - SL FLHQ	1,060,000	3,160,000	4,220,000
MSP263 - TOD Working Capital	3,554,000	(3,160,000)	394,000
<b>Total</b>	<b>4,614,000</b>	<b>-</b>	<b>4,614,000</b>

- This transfer will allow for 30% schematic design to be completed on the SL Central TOD project
- Property that was targeted to be purchased with 2024 TOD Working Capital Funds will not be purchased in 2024.



# Questions?



# Recommended Action

## (by acclamation)

Motion to approve TBA2024-06-02 - Technical Budget Adjustment  
- Capital Funds transfer from MSP263: TOD Working Capital Project  
to MSP262: SL FLHQ Project, as presented



# Discussion Items



# **2023-2024 Ski Service End of Season Update**





# 2023-2024 Ski Service Presentation

## *Chief Operations Office*



# Season Summary

- Season - November 26, 2023 – April 13, 2024
- Service - 6 Ski Bus Routes
  - 674, 675, 677, 880, 972, 994
- Cottonwood Canyons Surge - 720 Blocks
- Ski Bus Season Ridership - 416,511 (5.08 YOY increase)
- Van Pool & Employee Shuttle Ski Resort Ridership-208,842
- Cottonwood Connect-11,878 one-way trips
- Alta Town Shuttle
- Ski Ambassadors - 452 Shifts



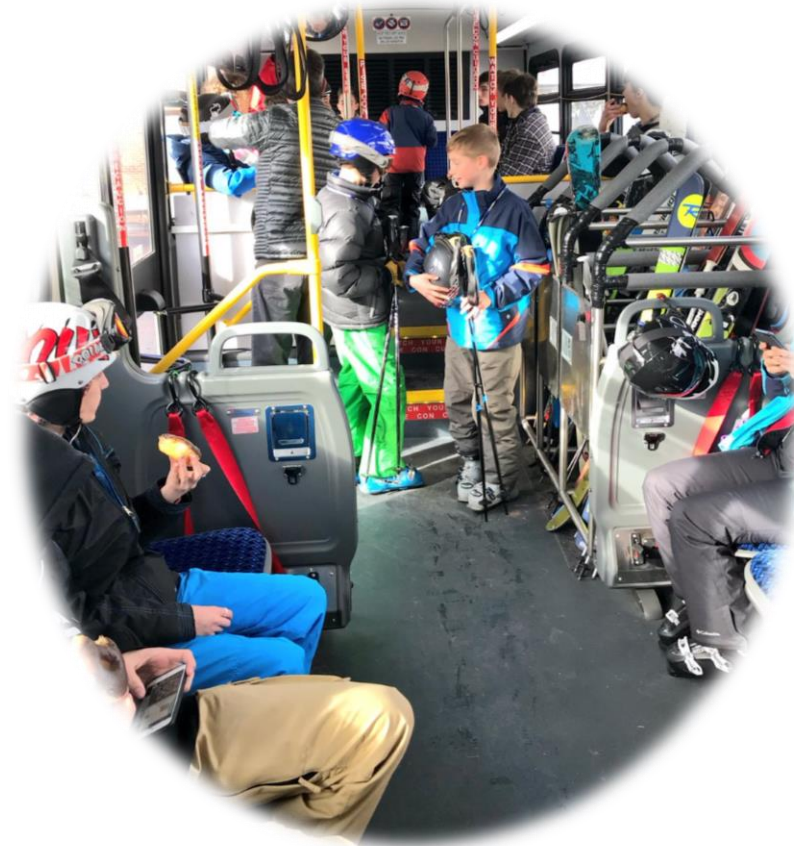
# Mt. Ogden Service Unit

Ogden Ski Service			
Route	2022-2023	2023-2024	% Change 22/23 to 23/24
674	31,250	28,979	-7.27
675	32,825	19,370	-40.99
676		2,647	
677	10,398	18,011	73.21
<b>Total</b>	<b>74,474</b>	<b>69,007</b>	<b>-7.34</b>



# Mt. Timpanogos Service Unit

Timpanogos Ski Service			
Route	2022-2023	2023-2024	% Change 22/23 to 23/24
880	10,521	8,622	-18.05





# Salt Lake Service Unit

Salt Lake Ski Service			
Route	2022-2023	2023-2024	% Change 22/23 to 23/24
972	178,590	195,298	9.36
994	131,357	143,584	9.31
Total	311,365	338,882	8.84



# UTA Ski Bus Totals

Total Ski Service			
Route	2022-2023	2023-2024	% Change 22/23 to 23/24
All Ski	396,359	416,511	5.08



# Vanpool & Employee Shuttle Totals

- Total Vanpool/Employee Shuttle 23/24 season-**208,842**
- Vanpool totals- **185,829**
- Employee Shuttles- **23,013**

## Cottonwood Connect Totals

- Cottonwood Connect **11,878**



# Ski Service Team Acknowledgment

- All Operators doing ski work
- Bill Humphreys (SLSU)
- Albert Nieto (SLSU)
- Damian Tippetts (SLSU)
- Angelica Ledezma (SLSU)
- Alec Giron (SLSU)
- Maintenance Team (SLSU)
- Bill Lloyd (MOSU)
- Dean Slade (MOSU)
- Maintenance Team (MOSU)
- George Petrovich (TIMP)
- Maintenance Team (TIMP)
- Van Pool Team (Special Services)
- All 52 Ski Ambassadors





# **Transportation Infrastructure Amendments (2023 Senate Bill 125) and UTA Rocky Mountain Power Partnership Update**



# Board SB 125Update

June 2024

Hal Johnson, UTA, James Campbell, Rocky Mountain Power,  
Bartley Mathews, Utah State University

[hjohnson@rideuta.com](mailto:hjohnson@rideuta.com)

801-230-5751



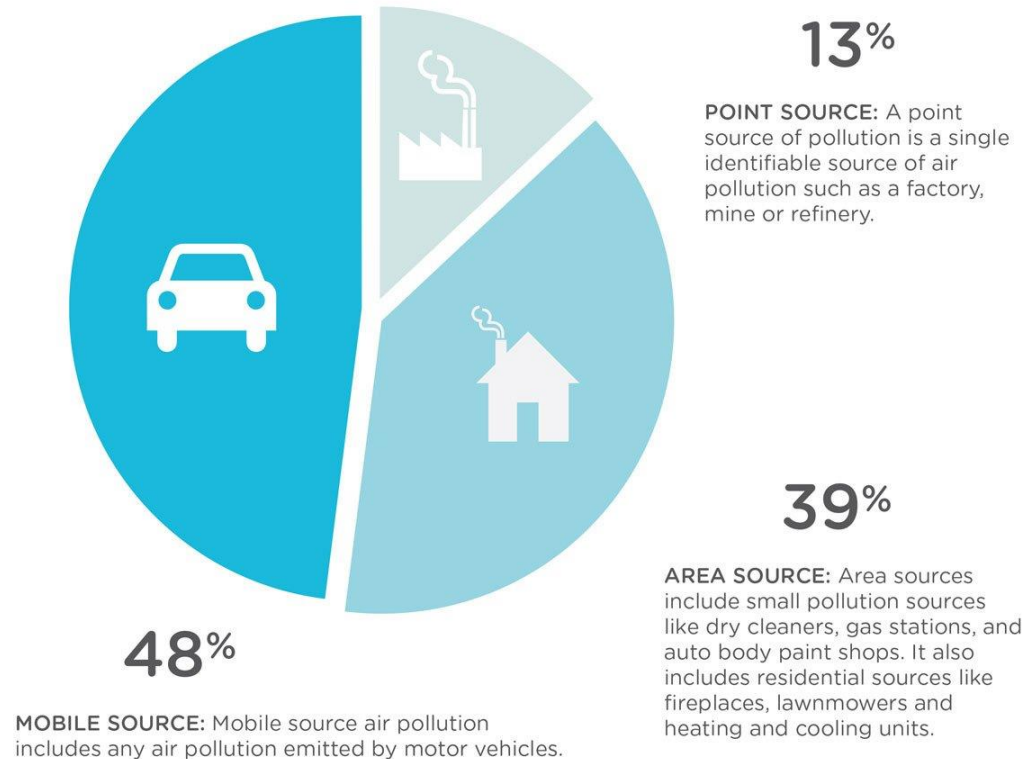
# Why Electrify Transportation?



UTAH DEPARTMENT of  
ENVIRONMENTAL QUALITY  
AIR  
QUALITY

## Where does Utah's air pollution come from?

In 2014, Air pollution along the Wasatch Front was measured coming from the following sources:



Source: Utah Division of Air Quality  
• Average winter day  
• NOX, VOC, and direct PM2.5  
(most important contributors)

- Electrification can reduce emission from mobile and area sources
- Opportunities to better utilize electricity when it is available through batteries on vehicles and wayside storage
- Attract industry and economic development
- More consistent pricing of energy



# SB 125 Details

- ❑ Designates ASPIRE as the lead research center in developing a strategic action plan for the electrification of transportation infrastructure
- ❑ The plan will guide the transition to an electrified and intelligent transportation system
- ❑ Creates a Steering Committee and Industry Advisory Board
- ❑ ASPIRE partners with the University of Utah, Brigham Young University, and eight other universities across the world in its research, which is supported by NSF, industry partners, and research grants from the U.S. Departments of Energy and Transportation
- ❑ Requires ASPIRE to prepare first annual report by August 2024 (annually thereafter)



# ASPIRE Vision

Sustainable and Equitable Future for Transportation  
with Widespread Vehicle Electrification

Inclusive Access to

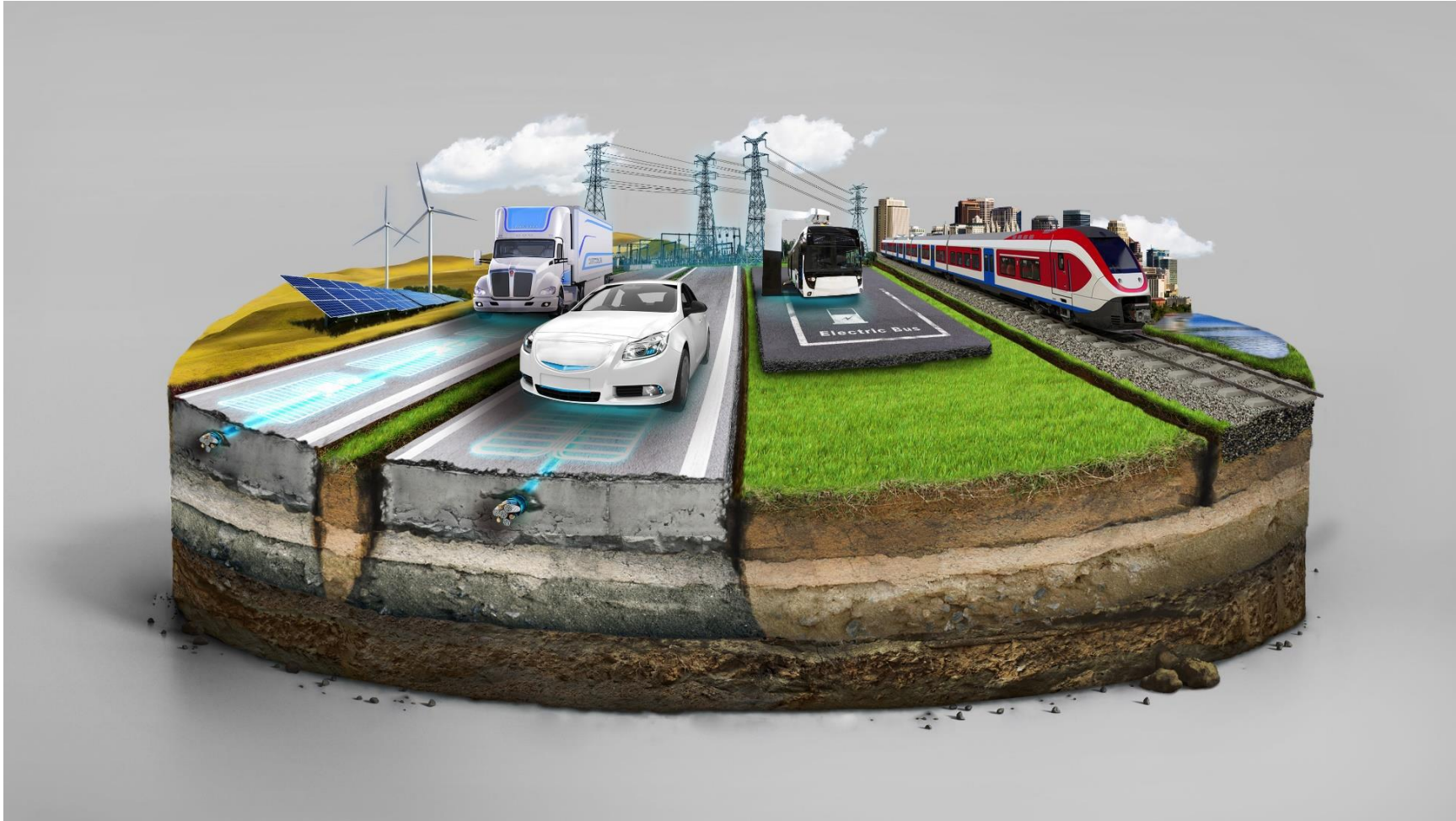
Improved Air Quality

Reduced Cost to Move  
People and Goods

Training and Good Jobs



# Shared Electric Echo System Vision

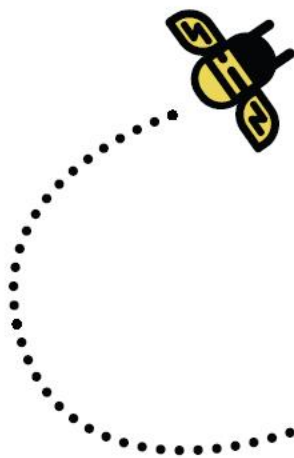




## Utah Intelligent Electrified Transportation Action Plan

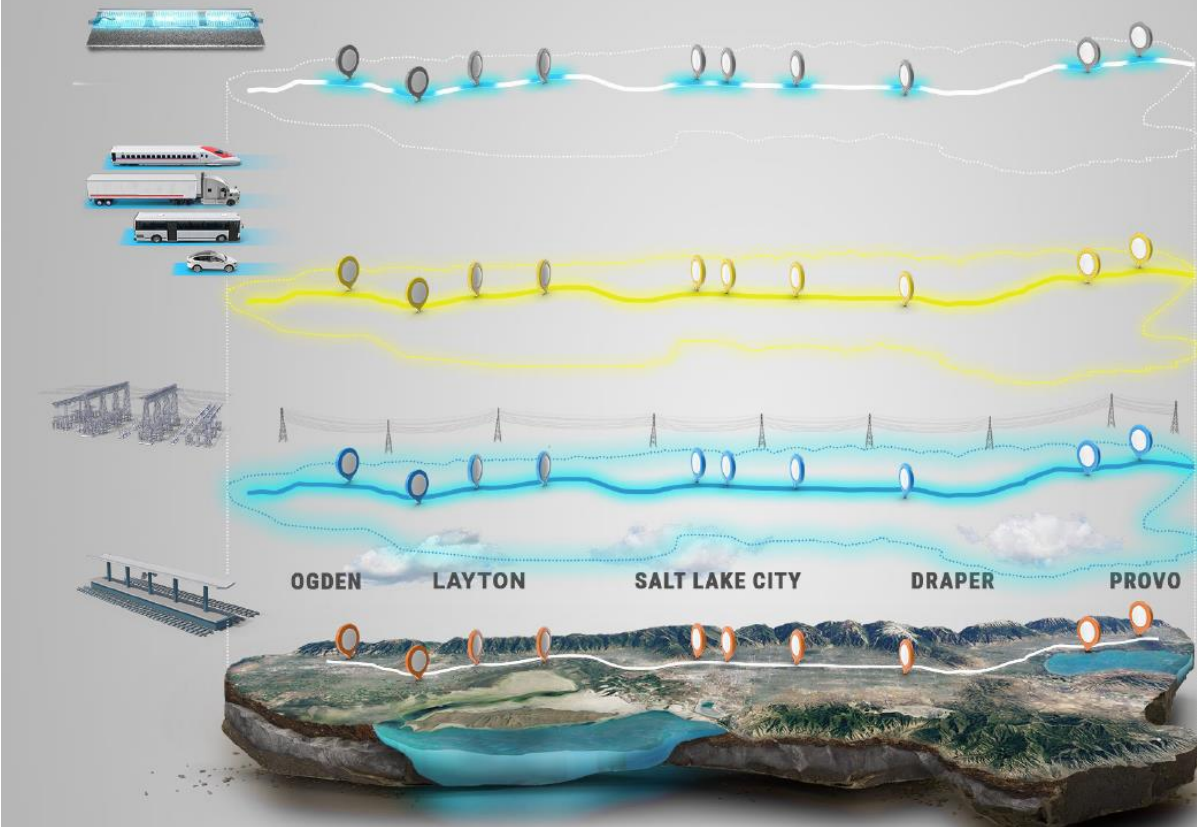


# Utah Intelligent Electrified Transportation Action Plan





# Coordinated Multi-modal Electrification



Commuter and light rail serve as roadmap for intermodal charging hubs

Multi-megawatt substations at hubs with coordinated grid loading

Fast charging networks leverage rail infrastructure for trucks, buses, and passenger vehicles

Future electric roads leverage shared rail & road infrastructure along corridor

Shared public infrastructure with load management reduces cost and emissions for all transportation

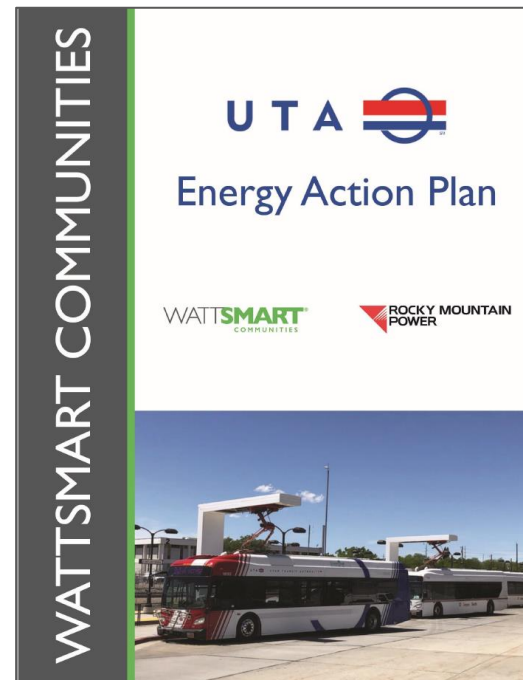




# RMP Partnership

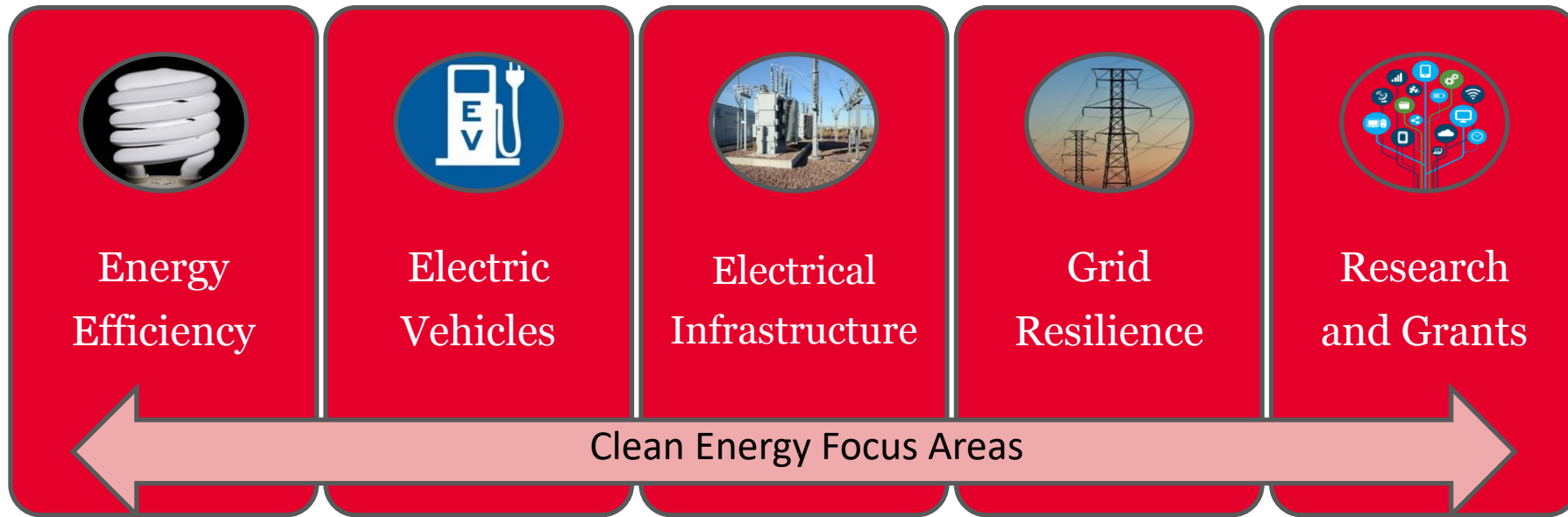
- ❑ To date RMP has provided \$2M+ in grant funding for electric bus charging infrastructure
- ❑ RMP funded a \$2M research initiative to understand the impact of TRAX and battery electric buses on the electrical grid
- ❑ RMP and UTA have done an energy audit on UTA's facilities through the WattSmart Program
- ❑ RMP has supported the development of charging at 10 sites so far
- ❑ Shared infrastructure project at Wasatch 3900 South, opening this month

**UTA's S-Line now runs on 100% renewable energy after investments**  
By Carter Williams, KSL.com |  
Posted - Jun. 10, 2021 at 7:11 p.m.



# UTA RMP Partnership Key Areas

WATT<sup>SMART</sup>  
COMMUNITIES



UTA and Rocky Mountain Power, RMP, have an interagency partnership.



# Charges completed to date

- ❑ 8 Depot Chargers SLC
- ❑ 6 Depot Chargers Ogden
- ❑ 6 pantograph chargers: 3 SL Central, Orange Street, 2 Ogden BRT
- ❑ 4 under construction: Wasatch 3900, 2100 South, Ogden BRT, Kimball Junction for High Valley Transit



# Factors to determine new locations

- ☐ University of Utah systems modeling
  - ☐ Long Range Transit Plan
  - ☐ 5 Year Service Plan
  - ☐ End of Line Locations
  - ☐ MPO Long Range Plan
  - ☐ SB 125 Plan
- 
- ☐ An update charging plan will be completed by December 2024



# Other Business

- a. Next Meeting: Wednesday, July 10, 2024, at 9:00 a.m.



# Adjourn

