







## Transportation Improvement Program is . . .

1. Six Year Program of Highway & Transit
  - Four Years Funded - Two Years Concept
2. In the Urban Areas
  - Salt Lake/ West Valley - Ogden/ Layton
3. Funded by
  - Federal, State, & Local Programs
4. For All Cities, Counties, UDOT & UTA



# Transportation Improvement Program will . . .

1. Implement the Long Range Plans
  - Highway/ Transit Projects for the Region
2. Help Meet the Short Range Needs
  - Of the Wasatch Front Area
3. Provide for the Maintenance
  - Of the Existing Transportation System



# Transportation Improvement Program's Dynamics . . .

1. Periodic Modifications due to
  - Project Timing & Funding Amounts
2. Modifications Require Board Action
  - WFRC or Trans Com as Delegated
3. Updated Annually with
  - New Projects/ Funding Strategies



## Transportation Improvement Program - To Day . . .

1. Report on Approved Board Modification
  - WFRC – March 23, 2017
2. Approve New Board Modification
  - To the 2017-2022 TIP
3. Review New Projects
  - To Be Included in the Draft Programs
  - STP, CMAQ, and TAP
  - **for the** Draft 2018-2023 TIP

**Report on  
2017-2022 TIP  
Board Modification #5**

Regional Council Meeting  
March 23, 2017



## 2017-2022 Transportation Improvement Program (TIP) (Amendment Five) Board Modification

### Additional Funding

#### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	I-15	11827	I-15 Northbound & 10600 South Interchange	Interchange Improvements	NHPP_IM (National Highway Performance Program Interstate Maintenance)	\$23,879,030	\$3,500,000	<i>Additional Funding</i>	\$3,000,000	2017
						ST_Bridge (State Construction - Bridge Program)		\$830,000	<i>Additional Funding</i>	\$800,000	
						ST_HB377/TF (Transportation Funding from HB377)		\$6,149,030			
						ST_TIF (State Transportation Investment Fund)		\$5,500,000	<i>Additional Funding</i>	\$4,100,000	

The request for the additional funding comes as a result of increases in ROW, costs associated with groundwater, pump tests during design, dewatering during construction, modified drains and stabilization, rehabilitation of the existing structure and ramps, new overhead signs along I-15, and additional public involvement for full closure of 10600 South. The additional funding comes from unprogrammed asset program funds, statewide bridge program and available funds in the TIF program.

#### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Davis	UDOT	I-15 Crossing	13823	Layton I-15 Crossing Project	Construct an overpass over I-15	ST_TIF (State Transportation Investment Fund)	\$22,000,000	\$20,000,000	<i>Additional Funding</i>	\$2,000,000	2017

UDOT and Layton City have conducted an environmental study for a new east-west connection across I-15 between SR-126 (Main Street) and Hill Field Road. Construction of this project will improve east-west mobility in Layton, relieve traffic congestion at Antelope Drive and the Hill Field Road interchanges, and support economic development in Layton's commercial area. This request is needed due to an underestimate in the right of way costs for this project. The additional funding will allow the project to advertise as scheduled.

### New Project

#### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Box Elder	Brigham City	500 West	New	Intersections at 500 West and Forest Street and 500 West and 700 South	Corridor Signalization and Signal Synchronization	CMAQ_BOX_ELD (Congestion Mitigation/ Air Quality (Box Elder))	\$653,585	\$0	<i>New Project</i>	\$653,585	2017

Region 1 and the Bear River Association of Governments (BRAG) request approval to add a new CMAQ project to the 2017-2022 STIP to improve traffic flow, safety, and wait/idle times for motorists and pedestrians. The proposed project is to enhance traffic flow with corridor signalization and synchronization. This will fund the replacement of two existing 4-way stops with four-way signalization, as well as synchronization with the corresponding intersections along this corridor.

# 2017-2022 TIP Board Modification

Trans Com Meeting

April 20, 2017



# 2017-2022 Transportation Improvement Program (TIP) (Amendment Six)

## Board Modification

### Additional Funding

#### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	North Ogden	450/ 400 East	14842	450 East/ 400 East; 2600 North to Elberta Drive	Widen existing roadway from 3-lane to 5-lane including improvements to curb, gutter, and sidewalks	STP_URB_O/L (Surface Transportation Program (STP) - Ogden/ Layton Urban Area)	\$10,320,000	\$2,250,000	<i><b>Additional Funding</b></i>	<b>\$1,350,000</b>	2019
						STP_FLX_ST (STP Flexible (Any Area) Statewide)		\$2,000,000			
						Local Funds (Weber Area Council of Government (WACOG) Funds)		\$2,650,000			
						Local Funds (North Ogden City Funds)		\$2,070,000			

In addition to the widening and improvements to 450 E/ 400 East and the intersection at Elberta Drive, UDOT has a project to widen and improve the intersection at Washington Blvd (450 E/ 400 East ) and 2600 North, adding dual turn lanes and traffic flow improvements by widening and aligning all legs of the intersection with the adjacent City streets. In addition, North Ogden has a city project to widen and improve 2600 North east of the intersection adding an additional EB and WB lane to the City Hall and the Library. By adding the additional funding now, UDOT will advance construct all of the projects at the same time in 2019 to eliminate duplicate efforts, minimize impacts, and improve traffic management and safety for the surrounding area by constructing at one time rather than several different projects.

#### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	Railroad Crossing	15276	3300 South, 7200 South, 8000 South & Redwood Road at the Railroad Crossings	Provide Queue Cutters at the Railroad Crossings	R/H_HAZ_ELIM (Rail & Highway - Crossings Hazard Elimination)	\$1,122,000	\$286,000	<i><b>Additional Funding</b></i>	<b>\$300,000</b>	2017
						R/H_DEVICS90 (Rail & Highway - Protective Devices)		\$536,000			

The current scope of the 3300 S & 7200 S Queue Cutters Project is to provide queue cutters at rail crossings at 3300 South and 7200 South. The increased funding will allow for additional queue cutters at 8000 South and Redwood Road, in West Jordan.

**North Ogden – 450 East/ 400 East; 2600 North to Elberta Drive**  
**Widen Existing Roadway from 3 to 5-Lane - Including Curb, Gutter and Sidewalk**

**Additional  
Funding**

Funding will enable project to construct with Phase I & II

Additional Funding
\$ 1,350,000
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Total STP Funds
\$ 3,600,000
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Total Project Cost
Estimate \$ 10,320,000

# Salt Lake County – 3300 South, 7200 South, and 8000 South Queue Cutters at the Railroad Crossings

Funding will enable project to include additional Railroad Crossings

Additional Funding  
\$ 300,000  
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Total Project Cost  
Estimate \$ 1,122,000

# 2017-2022 Transportation Improvement Program (TIP) (Amendment Six)

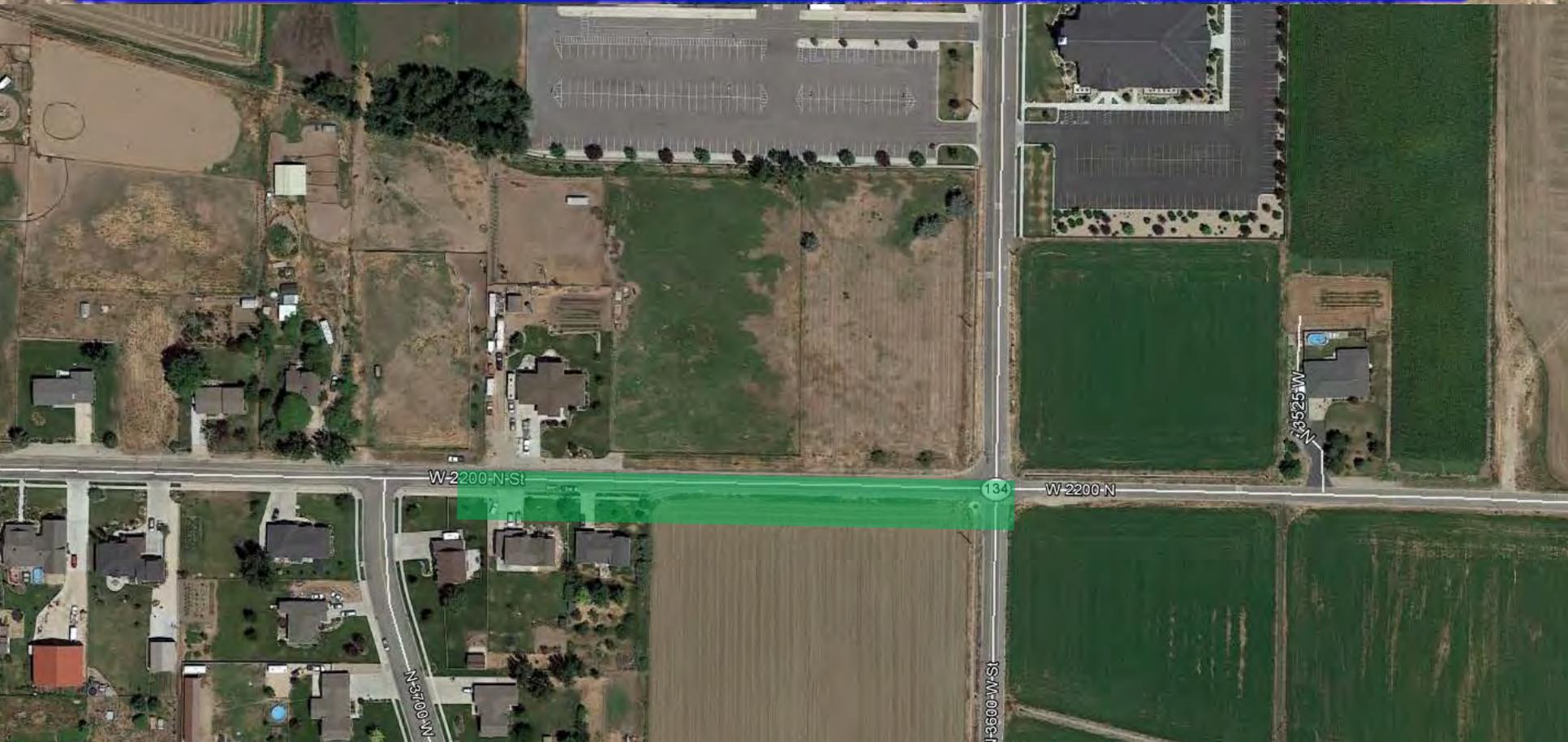
## Board Modification

### New Projects

#### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	Plain City	2200 North, Project 1	New	2200 North, 3600 West to 3673 West	Construct Section of Missing Sidewalk	UDOT R1 TAP (UDOT Region One Transportation Alternatives Program)	\$25,000	\$0	<i>New Funding</i>	<b>\$12,500</b>	2017
UDOT TAP Contribution \$12,500, Local Contribution \$12,500, Total Project Cost \$25,000											
Weber	Plain City	2200 North, Project 2	New	2200 North, 4100 West to 3915 West	Construct Section of Missing Sidewalk	UDOT R1 TAP (UDOT Region One Transportation Alternatives Program)	\$70,000	\$0	<i>New Funding</i>	<b>\$35,000</b>	2017
UDOT TAP Contribution \$35,000, Local Contribution \$35,000, Total Project Cost \$70,000											
Davis	Layton	Layton Oak Hills Drive Trail	New	Layton Oak Hills Drive Trail adjacent to Gentile Str (SR-109) from MP1.519 to MP 2.26 (~3200 ft)	Construct Section of Missing Bike/ Pedestrian Facility	UDOT R1 TAP (UDOT Region One Transportation Alternatives Program)	\$337,710	\$0	<i>New Funding</i>	<b>\$168,855</b>	2017
UDOT TAP Contribution \$168,855, Local Contribution \$168,855, Total Project Cost \$337,710											
Davis	West Bountiful	Pages Lane Access	New	Pages Lane Access on 1600 North Street from 800 West to 1100 West	Construct Section of Missing Bike/ Pedestrian Facility	UDOT R1 TAP (UDOT Region One Transportation Alternatives Program)	\$175,000	\$0	<i>New Funding</i>	<b>\$135,000</b>	2017
UDOT TAP Contribution \$135,000, Local Contribution \$40,000, Total Project Cost \$175,000											
Weber	Ogden	Ogden Canyon	New	Ogden Canyon Shared Use Path (Phase I) from mouth of Canyon (SR-39) to the Ogden River	Extend Ogden's trail network negotiating the mouth of the Canyon with a safe bike/ ped separate facility	UDOT R1 TAP (UDOT Region One Transportation Alternatives Program)	\$900,000	\$0	<i>New Funding</i>	<b>\$250,000</b>	2017
UDOT TAP Contribution \$250,000, Local Contribution \$400,000, Total Project Cost \$650,000											

# Plain City - 2200 North 3600 West to 3673 West Construct Section of Missing Sidewalk

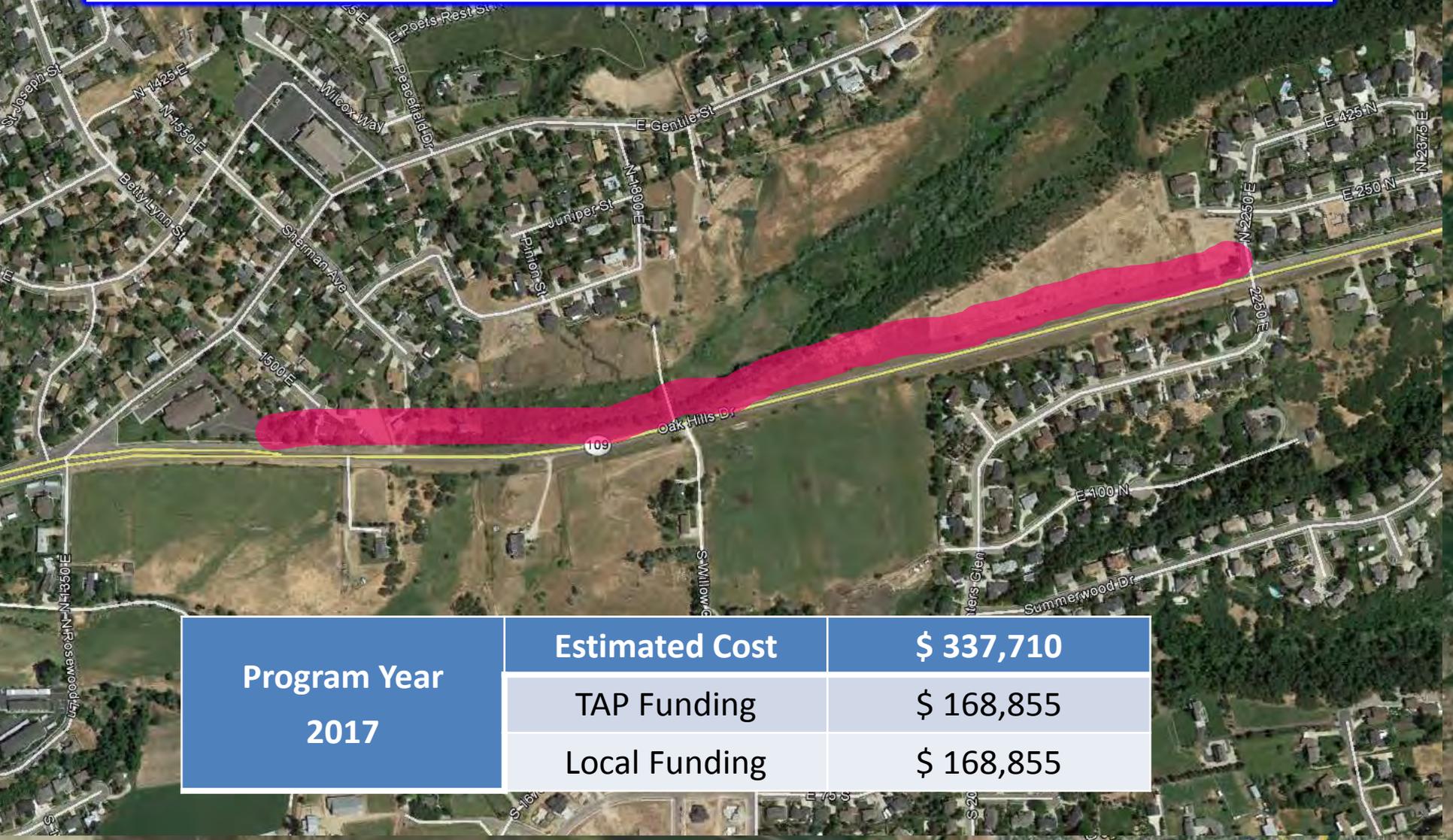


Program Year	Estimated Cost	
2017	TAP Funding	\$ 12,500
	Local Funding	\$ 12,500
		\$ 25,000

Plain City - 2200 North 4100 West to 3915 West  
Construct Section of Missing Sidewalk

<b>Program Year</b> <b>2017</b>	<b>Estimated Cost</b>	<b>\$ 70,000</b>
	TAP Funding	\$ 35,000
	Local Funding	\$ 35,000

Layton City – Oak Hills Drive Trail  
Adjacent to Gentile Street (~ 3200 feet)  
Construct Section of Missing Bike/ Pedestrian Facility



<b>Program Year</b> <b>2017</b>	<b>Estimated Cost</b>	<b>\$ 337,710</b>
	TAP Funding	\$ 168,855
	Local Funding	\$ 168,855

<b>Program Year</b> <b>2017</b>	<b>Estimated Cost</b>	<b>\$ 175,000</b>
	TAP Funding	\$ 135,000
	Local Funding	\$ 40,000

**West Bountiful – Pages Lane Access  
1600 North from 800 West to 1100 West  
Construct Section of Missing Bike/ Pedestrian Facility**

# Ogden – Ogden Canyon Shared Use Path (Phase I)

## Mouth of the Canyon to the Ogden River

### Construct Section of Bike/ Pedestrian Facility (esp Mouth of Canyon)



Program Year	Estimated Cost	
2017	TAP Funding	\$ 250,000
	Local Funding	\$ 400,000
		<b>\$ 900,000</b>

# 2017-2022 Transportation Improvement Program (TIP) (Amendment Six)

## Board Modification

### New Project

#### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	I-215	New	I-215, 4100 South to 4700 South Frontage Road Solution	Environmental Process	NHPP_IM (National Highway Performance Program - Interstate Maintenance)	\$700,000	\$0	<i>New Project</i>	\$500,000	2017
						Local Funds (Taylorsville City Funds)		\$0	<i>New Project</i>	\$200,000	2017

Region 2 requests approval to use 2017 asset funds to add a new project to the FY 2017 STIP, to begin the environmental process on one of their priority transportation solutions projects for a frontage road along I-215 from 4100 South to 4700 South, southbound direction.

### Additional Scope and Funding

#### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	UDOT	SR-204, SR-104, SR-79, SR-39	15491	Wall Ave (SR-204); 23rd Str to 33rd Str, 20th Str (SR-104); 1900 West to I-15, 30th Str (SR-79); Washington Blvd to Harrison Blvd, and 31st Street (SR-79); 30th Str to Washington Blvd	Pavement Rehabilitation Project (Purple Book Program)	STP_FLX_ST (STP Flexible (Any Area) Statewide)	\$7,000,000	\$2,500,000	<i>Additional Funding</i>	\$4,500,000	2017

This is an emergency pavement project need in the Ogden area. This winter the Region has experienced failure of some of the pavements due to the harsh winter conditions. This project will repair the failed pavement on these facilities by rotomilling the open graded surface course treatments and replacing them. The additional funding will increase the number of roadway segments, enable a deeper mill to capture the full depth of the failing pavements, and replace the pavements with a hot mix asphalt (HMA). The source of funding will come from unobligated amounts from previous pavement program years and advance \$2 million from the 2018 pavement program.



# Weber County – Emergency Pavement Projects on Wall Ave, 20<sup>th</sup> Street, 30<sup>th</sup> Street, & 31<sup>st</sup> Street



Request for Additional Funding  
\$ 4,500,000

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Total Project Cost  
Estimate \$ 7,000,000

Project will remove failing pavements  
and replace with hot mix asphalt





**Surface Transportation Program (STP)  
Congestion Mitigation/ Air Quality (CMAQ)  
Transportation Alternative Program (TAP)**

**Project Recommendations for the  
2018 - 2023 TIP**

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**Trans Com**

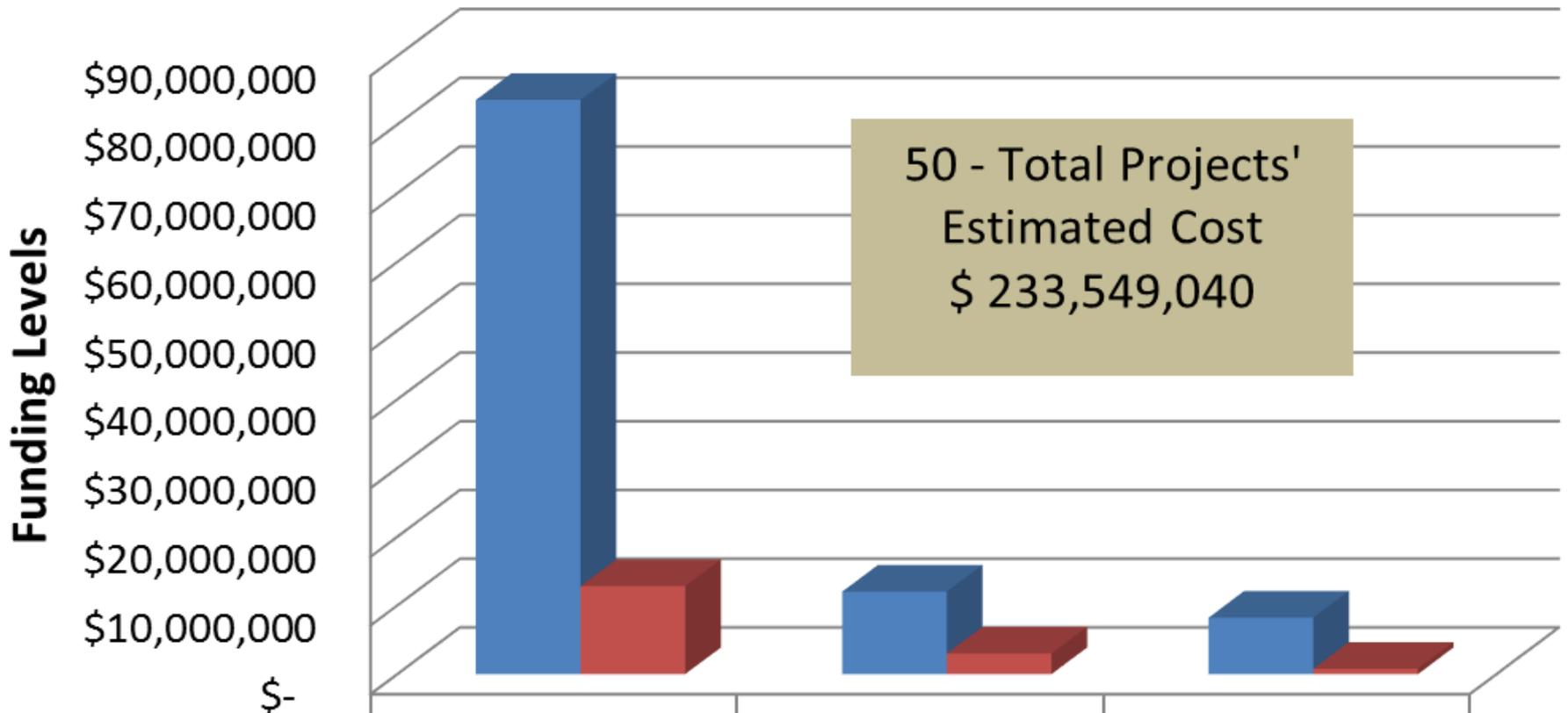
**April 20, 2017**



# Process for New Projects & The Draft TIP

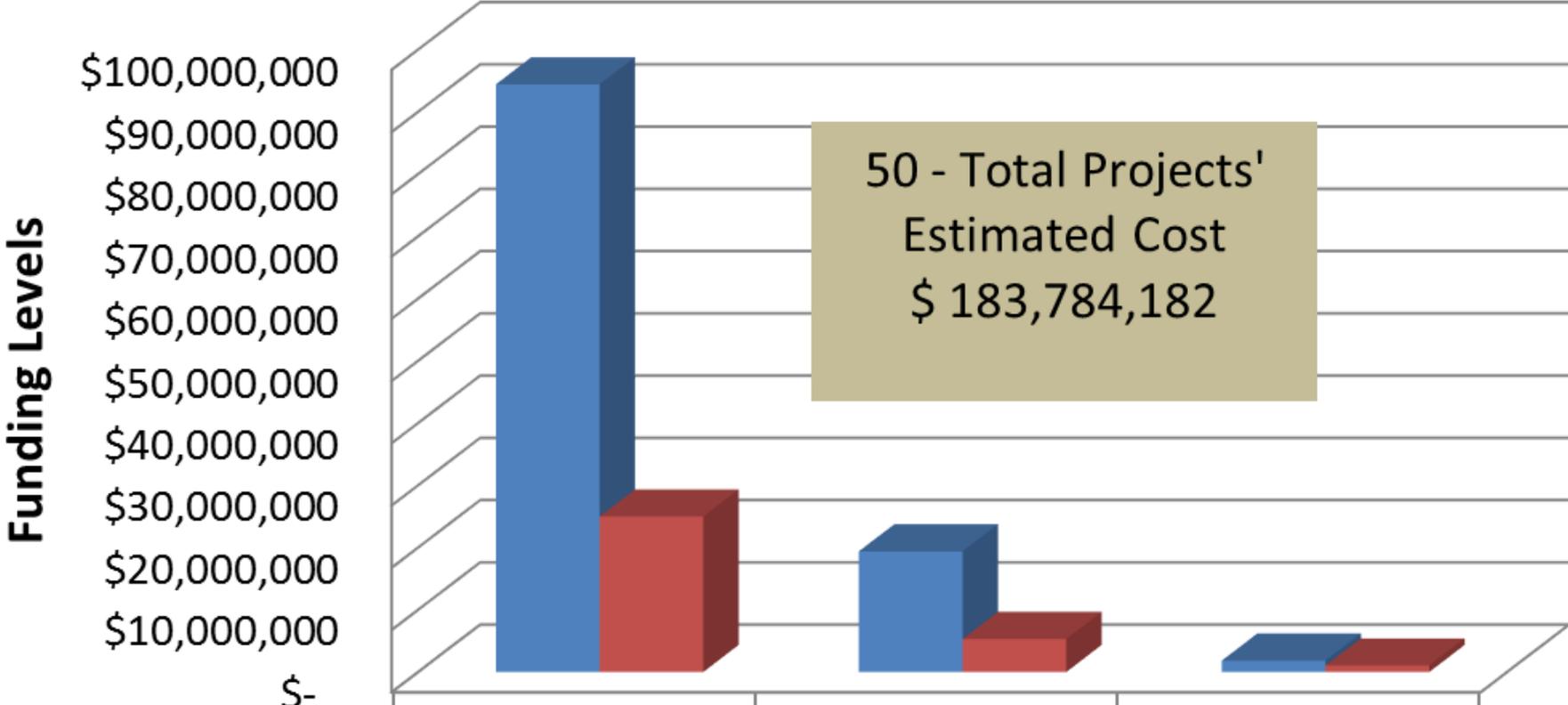


# Ogden/ Layton Urban Area



	STP	CMAQ	TAP
Requested	\$83,567,301	\$12,008,232	\$8,214,010
Available	\$12,800,000	\$3,000,000	\$767,602

# Salt Lake/ West Valley Urban Area



	STP	CMAQ	TAP
Requested	\$94,415,934	\$19,383,554	\$1,834,347
Available	\$24,984,679	\$5,300,000	\$1,048,911



# The Evaluation Process

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- **Provide the TAC's resources to prioritize projects & make recommendations**
- **Recommendations based on Data, Sound Engineering and Professional Considerations**



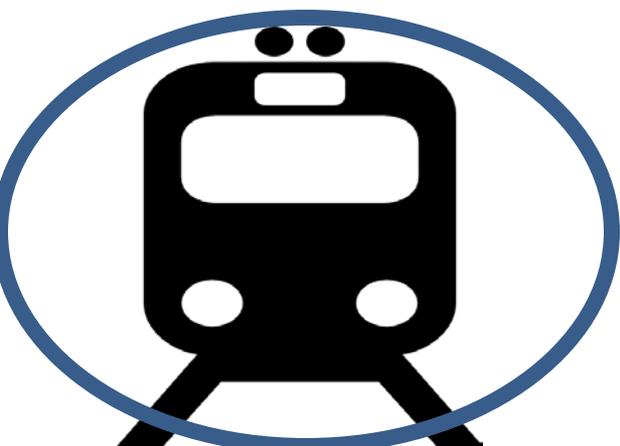
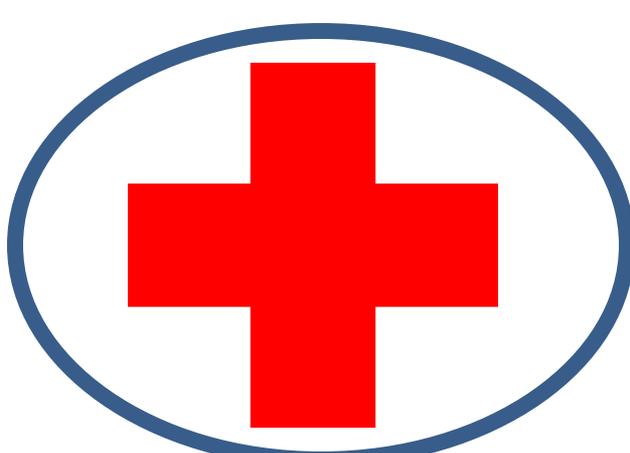
# Resources for Project Selection

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- Distribution of Project Scores
- Field Review Comments
- Equity of Funding
- Sponsor's Project History
- Project Synergy
- Project Timing Efficiencies
- Complete Systems
- Professional Considerations
- Project Costs

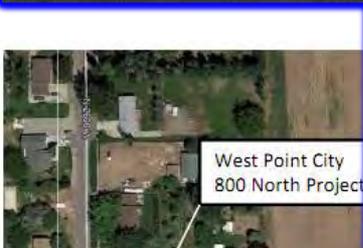






# Clinton City – 800 North – Reconstruct & Minor Widening Project Type – Reconstruction

2000 West to 2525 West



**Recommended Funding \$ 2,000,000**

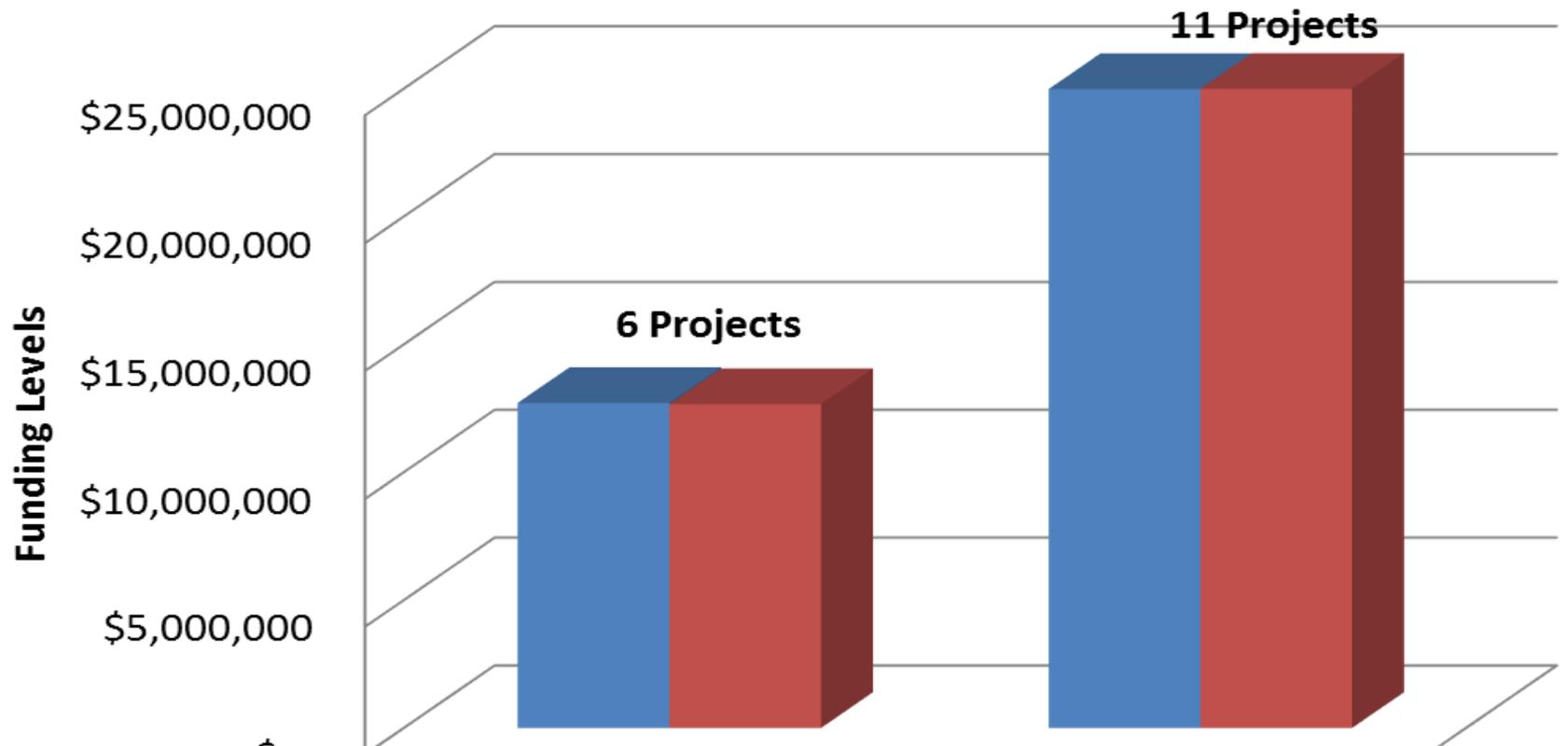


Project Cost –  
\$ 3,255,200

Funds Request –  
\$ 2,000,000

This project will widen 800 North between 2000 West and 2525 West, add shoulders, and reconstruct the existing asphalt street section. This project includes safety improvements by improving access conditions, and adding a center turn-lane at intersections for improved mobility.

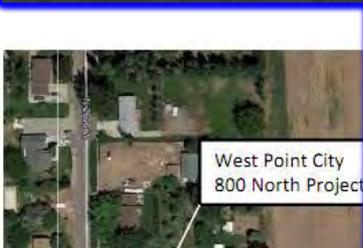
# Surface Transportation Program (STP) Funds



	Ogden/ Layton	Salt Lake/ West Valley
Available	\$12,708,490	\$24,984,679
Programmed	\$12,662,868	\$24,992,278

# Clinton City – 800 North – Reconstruct & Minor Widening Project Type – Reconstruction

2000 West to 2525 West



**Recommended Funding \$ 2,000,000**



Project Cost –  
\$ 3,255,200

Funds Request –  
\$ 2,000,000

This project will widen 800 North between 2000 West and 2525 West, add shoulders, and reconstruct the existing asphalt street section. This project includes safety improvements by improving access conditions, and adding a center turn-lane at intersections for improved mobility.

# West Point – 800 North – Reconstruct/ Minor Widening Project Type - Reconstruction

2525 West to 3000 West



**Recommended Funding \$ 1,000,000**

Project Cost –  
\$ 1,311,900

Funds Request –  
\$ 1,191,386



Widen to a three lane section and install curb, gutter and sidewalk. Provide turn lanes at all intersections.



# Plain City – 3600 West – Reconstruct/ Minor Widening Project Type – Reconstruct

2600 North to 1975 North



**Recommended Funding \$ 2,900,758**

Project Cost –  
\$ 3,111,400

Funds Request –  
\$ 2,900,758

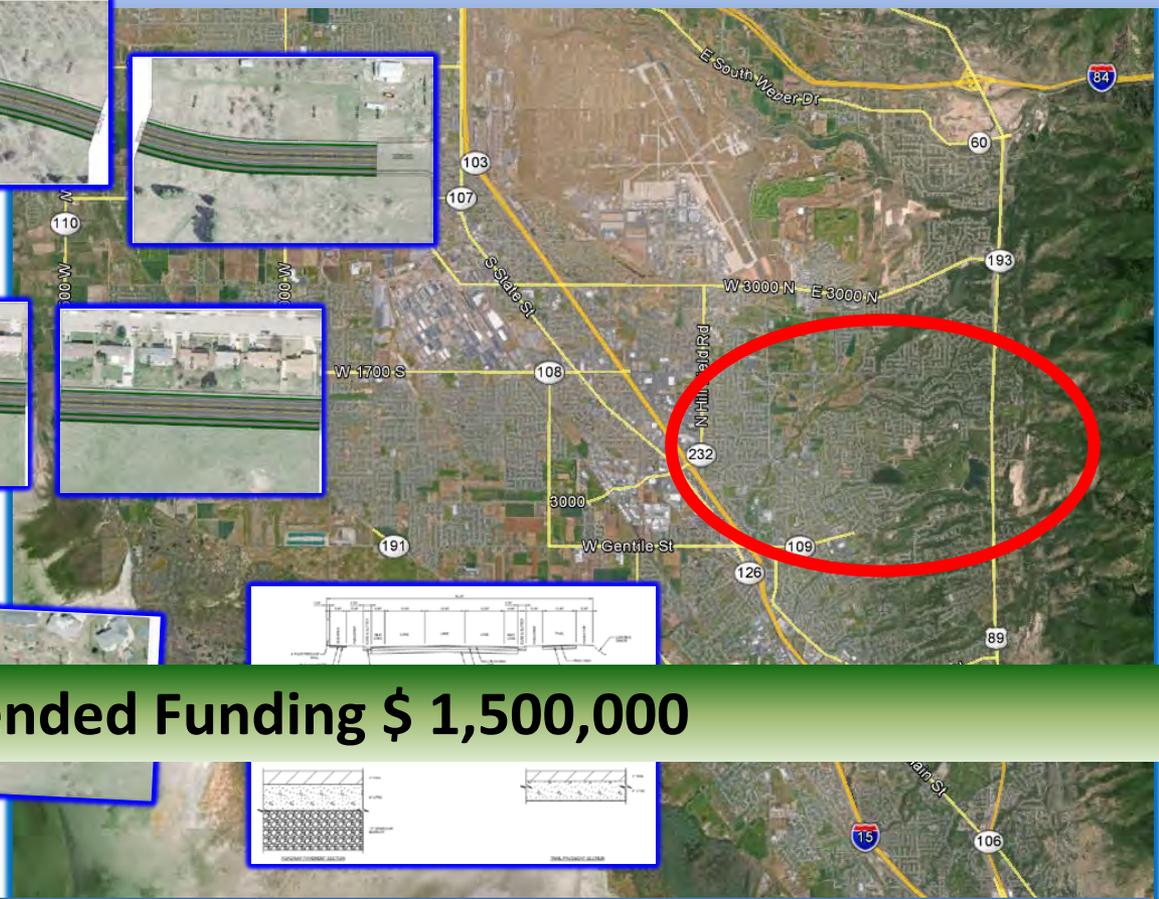


This project will widen 3600 West between 2600 North and 1975 North, add shoulders, and reconstruct the existing asphalt street section. This project includes safety improvements by improving access conditions and adding a center turn-lane at intersections for improved mobility.

# Layton – Gordon Avenue Extension - New Construction

## Project Type – Capacity

1725 East to Highway 89



**Recommended Funding \$ 1,500,000**

**Project Cost –  
\$ 13,899,400**

**Funds Request –  
\$ 3,000,000**

Layton City desires to construct a critical East-West Arterial Connection from approximately 1725 East to US-89. UDOT is planning and has funded the new improvements along US-89 which includes the construction of a new Gordon Interchange.

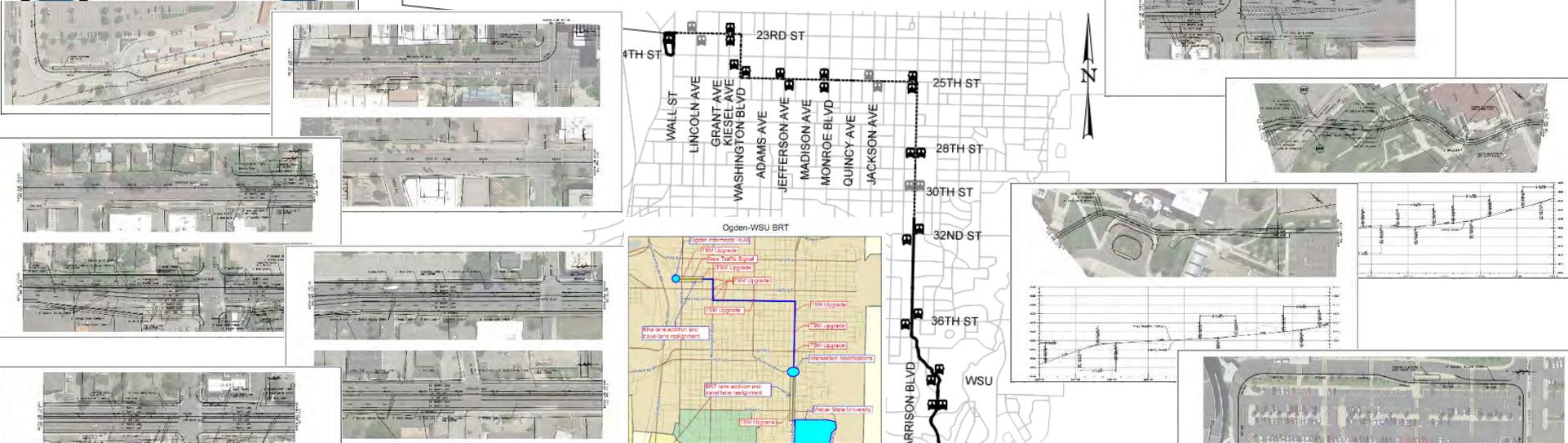


# Ogden City – Ogden-WSU Bus Rapid Transit (Design)

## Project Type - Transit

Ogden Intermodal Hub (23<sup>rd</sup>/Wall) to Mckay Dee Hospital (48<sup>th</sup>/Harrison)

### OGDEN-WSU BUS RAPID TRANSIT PROJECT



## Recommended Funding \$ 1,500,000

The project proposes to connect the Ogden Intermodal Hub with WSU and Mckay Dee Hospital with a reliable, efficient and modern bus rapid transit system. The BRT project is meant to address a number of issues largely related to population growth. WFRC forecasts the population in a number of Utah Counties to increase by 65% and corresponding vehicle miles driven per day will nearly double from 49 to 90 million miles over the next 30 years.

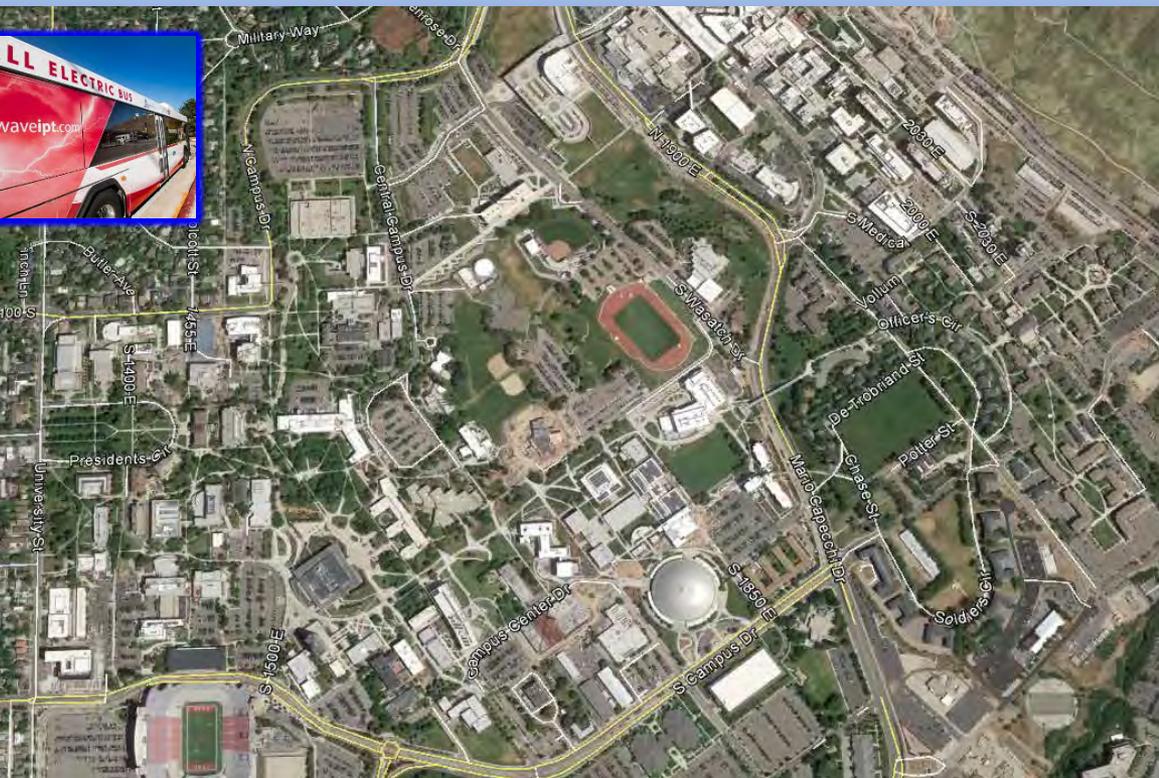
Project Cost –  
\$ 5,000,000

Funds Request –  
\$ 2,783,009



# UTA – University of Utah Intermodal Project Type – Transit

## South Campus & Light Rail Route



**Recommended Funding \$ 1,000,000**

Project Cost –  
\$ 1,613,376

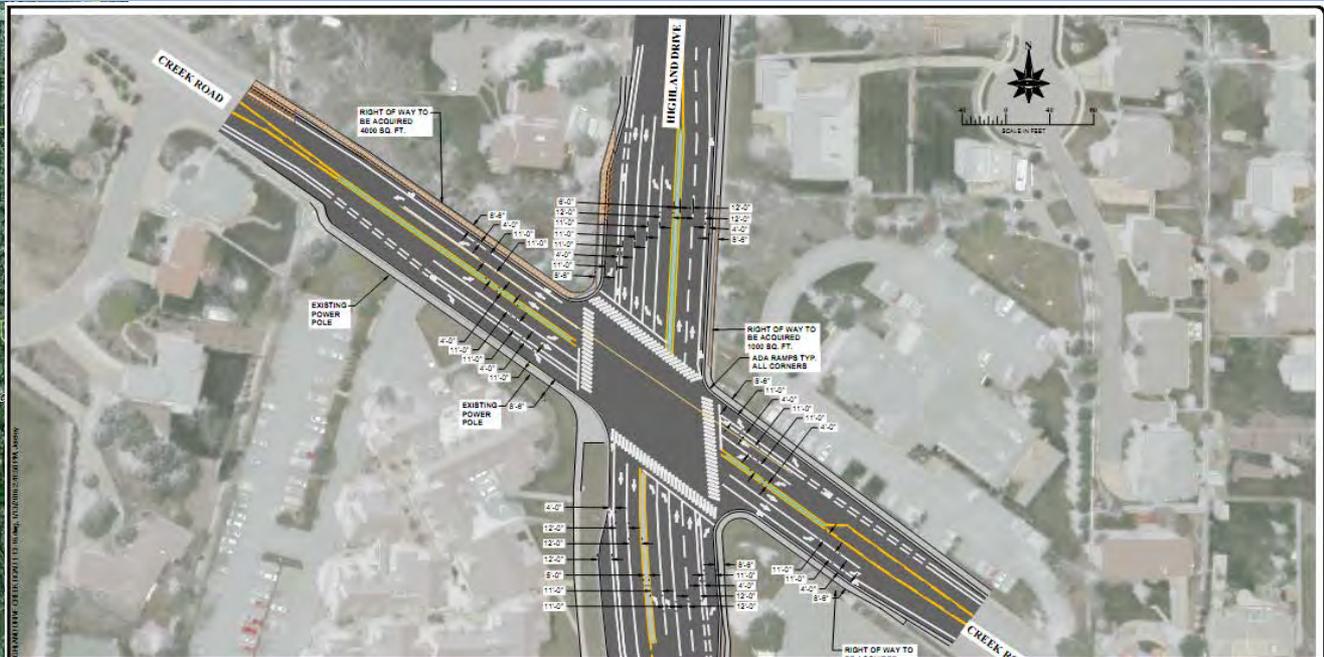
Funds Request –  
\$ 1,504,150

U of U campus is well served by UTA local bus routes, TRAX, and other alternative modes. Lacking though, is a place that welcomes transit users to the campus in a centralized location where transfers between TRAX, local buses, campus shuttles, bike facilities, and car share can easily occur. A Intermodal Center is needed.

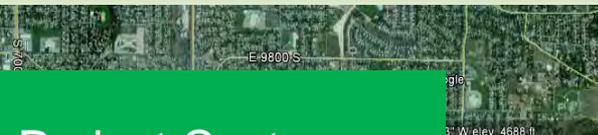


# Cottonwood Heights – Creek Road & Highland Drive – Intersection Improvements

8072 South to 8340 South



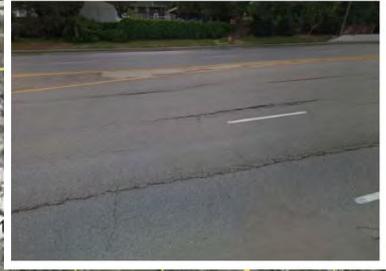
**Recommended Funding \$ 2,403,497**



# Salt Lake City – 1300 East Reconstruction Segment 1

## Project Type - Reconstruction

2100 South to Highland Drive



**Recommended Funding \$ 3,548,613**



Project Cost –  
\$ 3,901,300

Funds Request –  
\$ 3,548,613

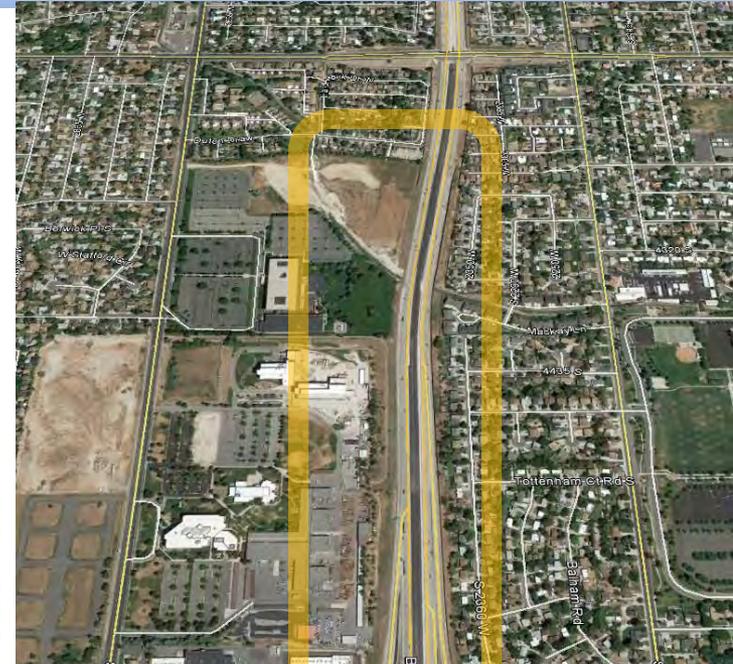
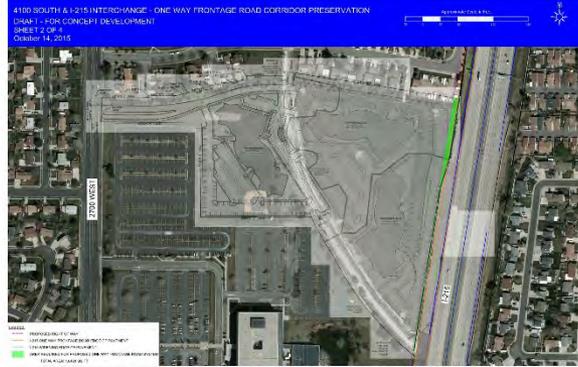
This project encompasses pavement improvements for this deteriorated street, including removal and replacement of the pavement, curb and gutter, and pedestrian improvements. This project will evaluate incorporation of Complete Streets concepts and pedestrian safety improvements.



# Taylorville – I-215 Frontage Road – New Construction

## Project Type – Capacity

4100 South to 4700 South and 2700 West Access



**Recommended Funding \$ 3,000,000**

**Project Cost –**  
\$ 8,845,569

**Funds Request –**  
\$ 5,000,000

Second Phase of the I-215 frontage road as listed in UDOT TIP. Improve traffic flow on I-215. Reduce congestion at on 4700 S at I-215, 2700 W and 3200 W. These intersection are ranked in top ten on congested intersections per UDOT. Will facilitate planned transit improvements, including a new BRT route.

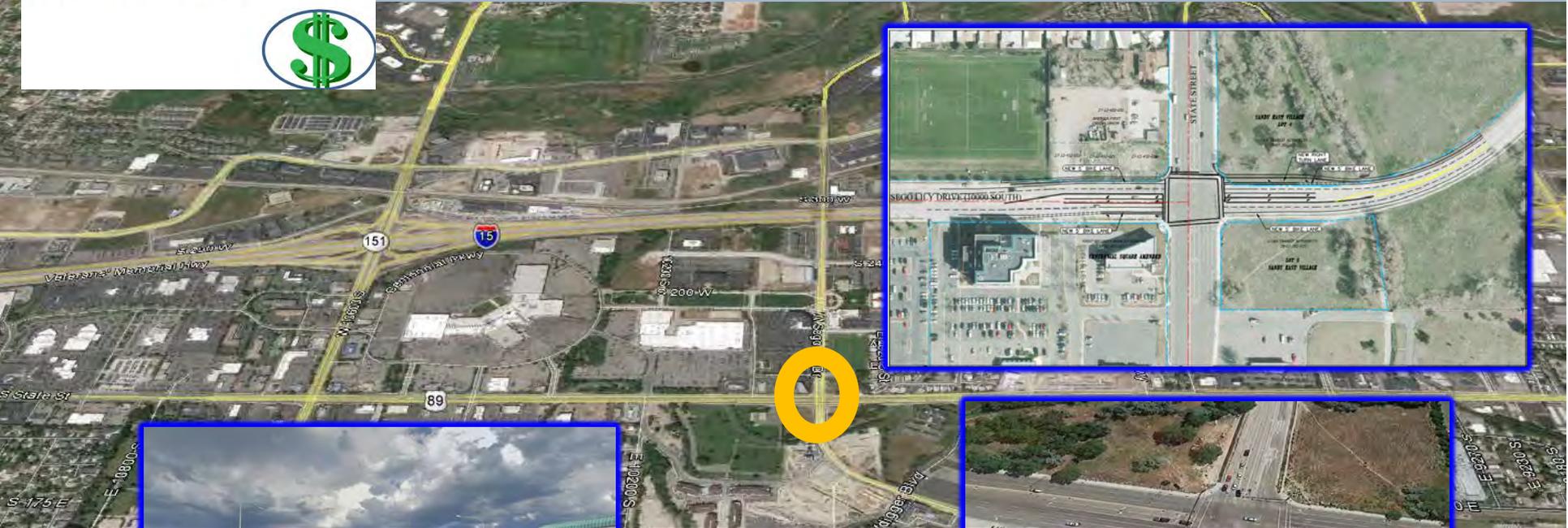




# Sandy City – Sego Lily Drive Intersection

## Project Type – Intersections & Signals

### Sego Lily Drive and State Street Intersection



**Recommended Funding \$ 1,143,054**



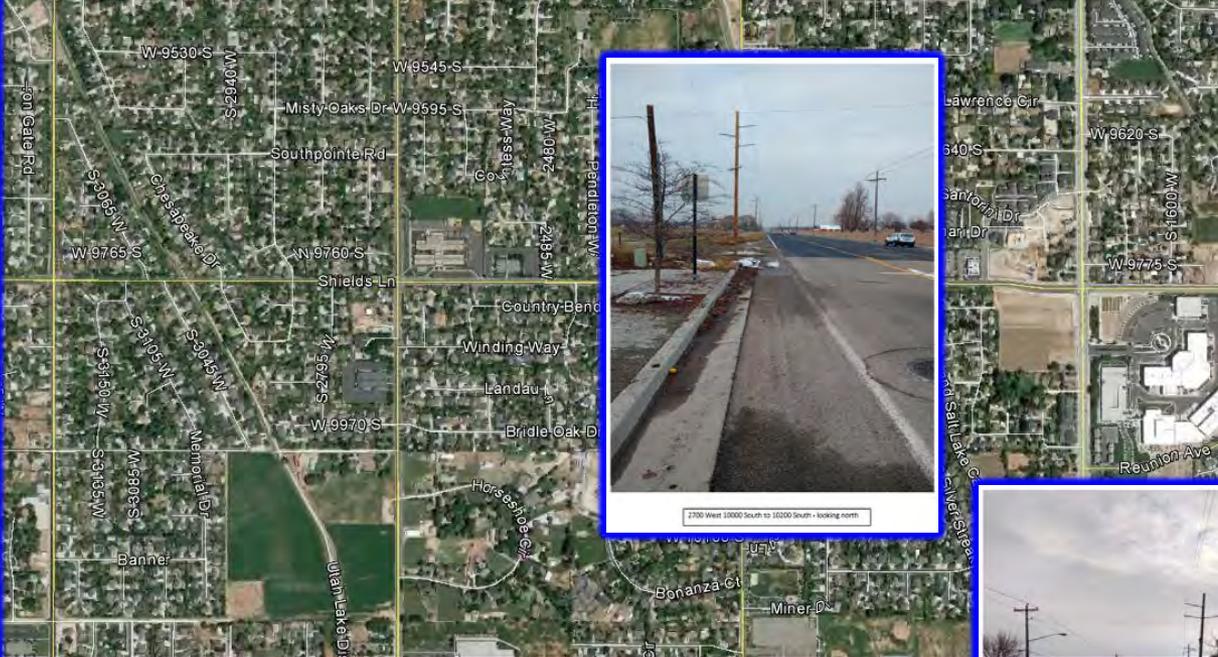
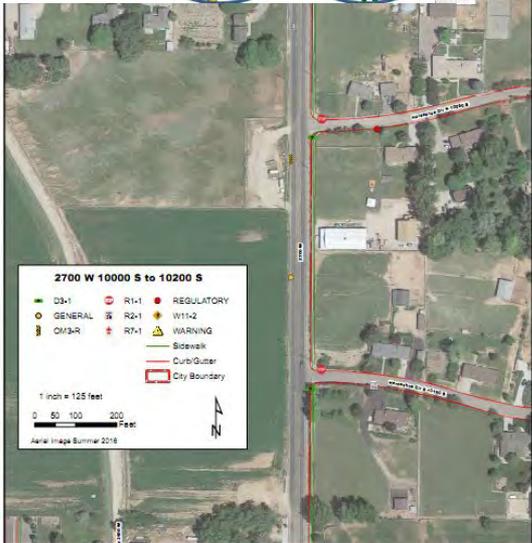
**Project Cost – \$ 1,591,000**  
**Funds Request – \$ 1,389,127**

State St. and 1000 S. is a choke point for bicycle traffic. This project will allow for bike lanes on 1000 South by widening the north side of the intersection. A right turn pocket will also be added for WB traffic. 1000 South is identified by UCATS, WFRC, Salt Lake County, and Sandy City as a priority bicycle route.

# South Jordan City – 2700 West – Reconstruct & Minor Widening

## Project Type - Reconstruction

10000 South to 10200 South



**Recommended Funding \$ 777,788**

Project Cost –  
\$ 953,200

Funds Request –  
\$ 888,668



Reconstruct roadway with minor widening to 3-lanes, including center turn lane. Also curb, gutter, sidewalk, park strips, shoulder pavement, and if necessary, streetlights and utilities.

# Millcreek – 900 East – Reconstruction and Safety Project Type – Reconstruction

3900 South to 4500 South



**Recommended Funding \$ 3,783,866**

**Project Cost –  
\$ 4,358,700**

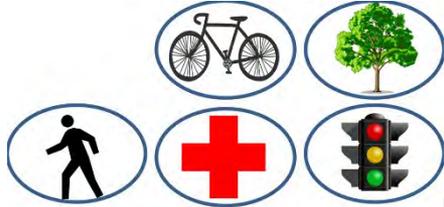
**Funds Request  
\$ 4,063,616**

Create a safer environment for all users including the construction of curb, gutter, sidewalk, ADA ramps, a bicycle facility, lighting and the relocation of utility poles out of the asphalt, along 900 East from 3900 South to 4500 South. Reconstruction will be included if sufficient funds are allocated.



# Salt Lake County – Magna – Intersection Realignment Project Type – Operations

2810 South at 8000 West



**Recommended Funding \$ 1,203,189**

Project Cost –  
\$ 2,000,900

Funds Request –  
\$ 1,865,439

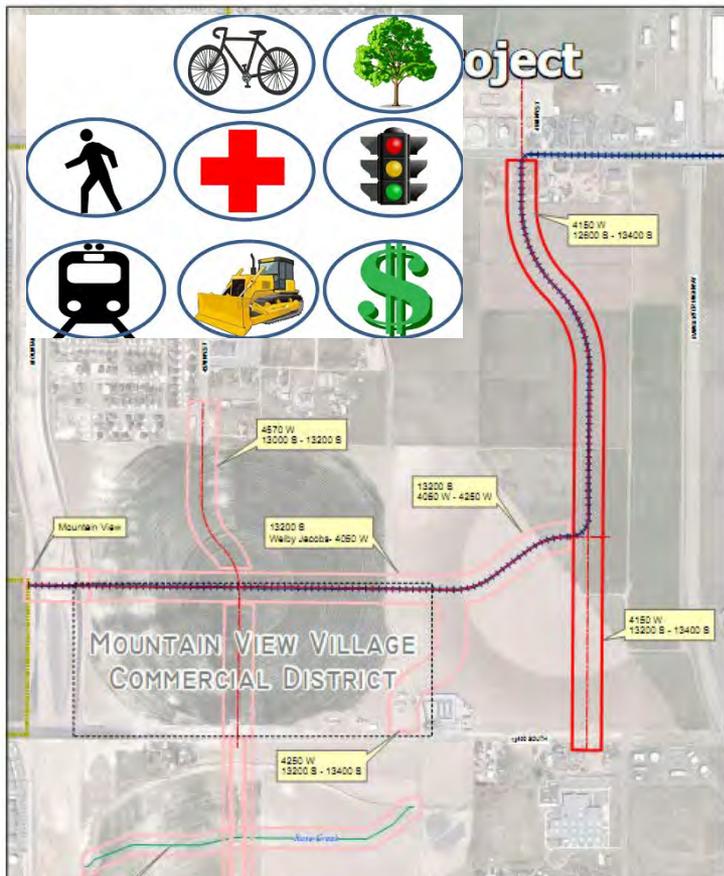


This project will realign an offset intersection to improve safety and connectivity between Magna and West Valley. The project will also relocate a midblock school crossing and bring it to the new realignment.

# Riverton City – 4150 West – New Construction

## Project Type – Capacity

12600 South to 13400 South



**Recommended Funding \$ 5,500,000**



**Project Cost –  
\$ 17,712,800**

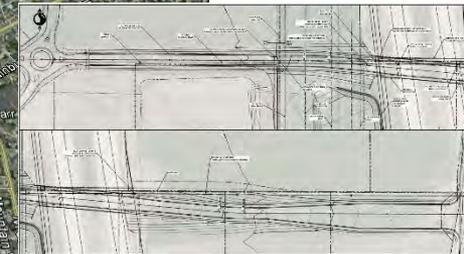
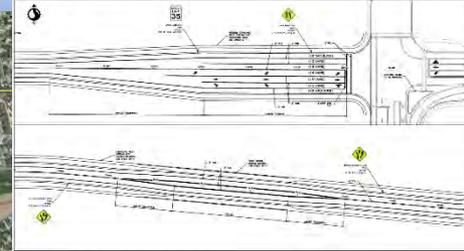
**Funds Request –  
\$ 6,615,485**

Construction of 4150 West from 12600 S to 13400 S, with a 4-lane concrete street, center running TRAX corridor, bike lanes, pedestrian trails or sidewalks, and traffic signals. This roadway will provide the north/south connection of 4150 West from 12600 South to 13400 South. Please see attached Traffic Study for the area..

# West Jordan – 8600 South Bridge over MVC – New Construction

## Project Type – Capacity

5600 West to 6000 West



Project Cost –  
\$ 12,000,000

Funds Request –  
\$ 1,000,000

**Recommended Funding \$ 1,000,000**

8600 South is a major collector street on the west side of the Salt Lake Valley, and is projected to carry 15,000 to 25,000 VPD by the year 2030. This crossing connects to Ron Wood Park, a regional park for the entire west half of the City of West Jordan, serving approximately 50,000 residents. A major recreation center (\$45 to \$50 million) is slated to be built within this park in the next few years. This bridge is the essential connector for that project, and will provide the connectivity for existing residents living west of the MVC.

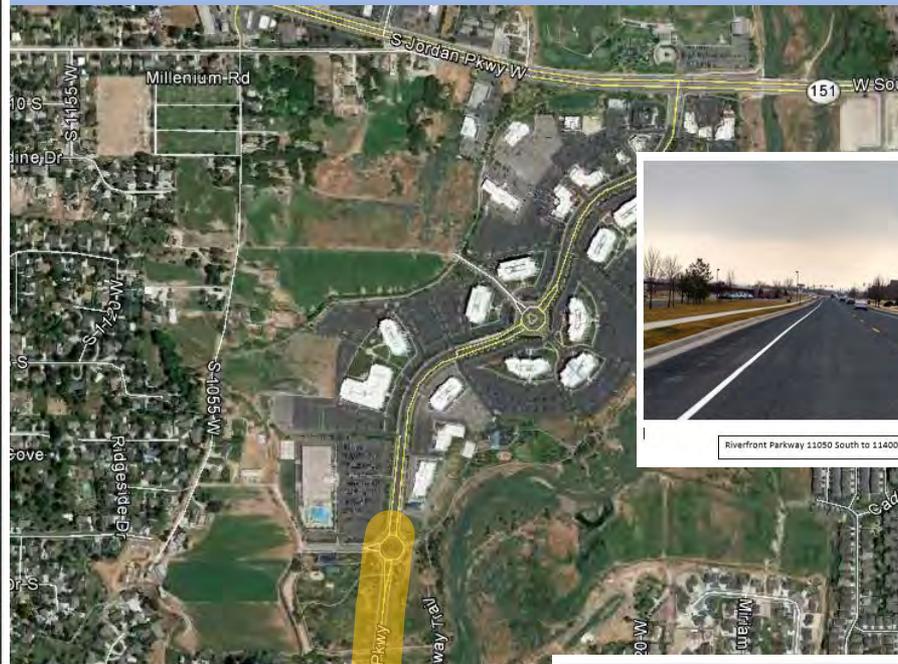
# South Jordan City – Riverfront Parkway – Widening Project Type – Capacity



11050 South to 11400 South



Riverfront Parkway 11050 South to 11400 South - near intersection looking east



Riverfront Parkway 11050 South to 11400 South - looking south



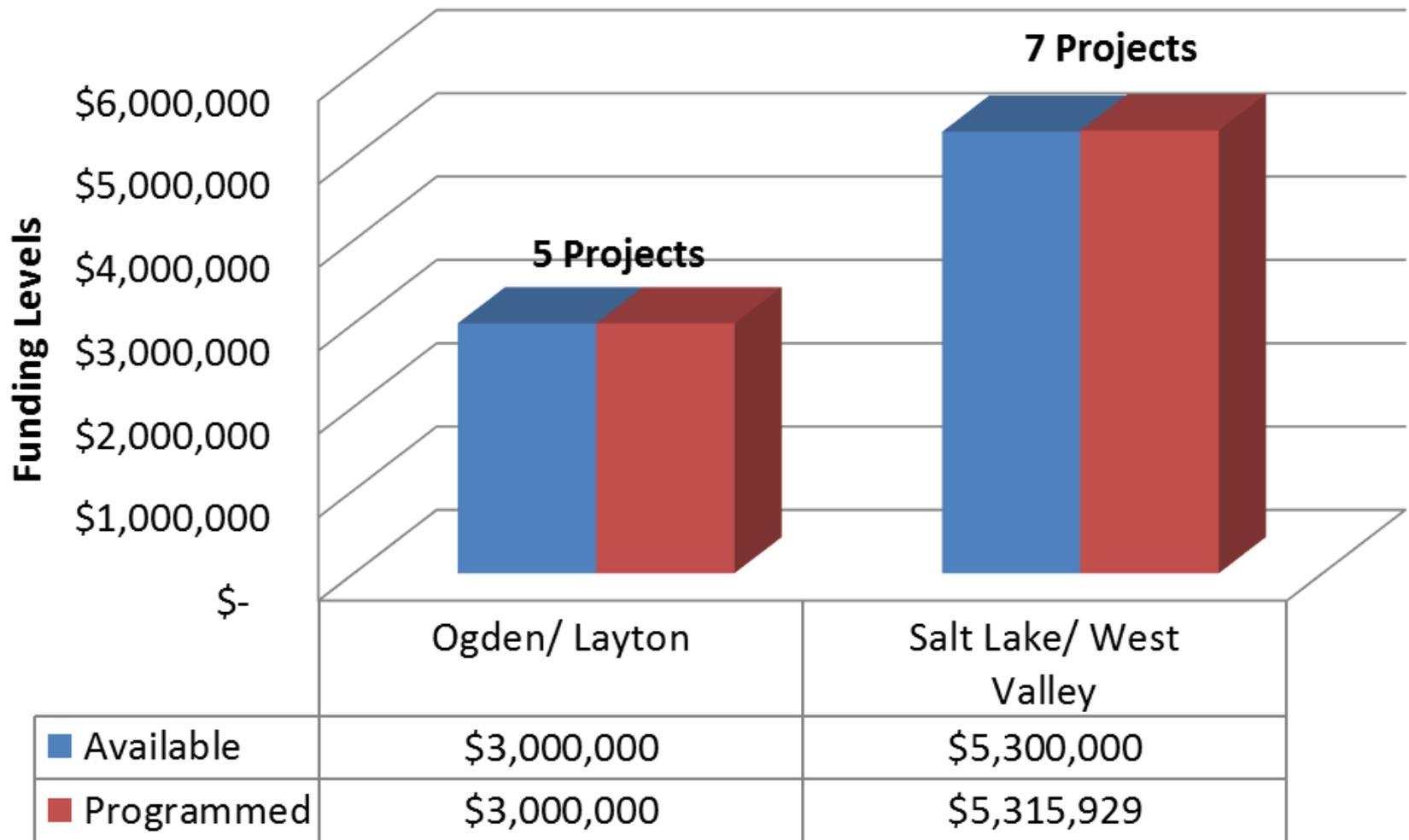
Riverfront Parkway 11050 South to 11400 South – looking north

**Recommended Funding \$ 1,632,271**

Project Cost –  
\$ 1,840,900  
Funds Request –  
\$ 1,716,271

Widen from 3 lanes to 5 lanes including curb, gutter, sidewalk, park strip, intersection improvements, and also utilities and street lights if necessary.

# Congestion Mitigation/ Air Quality (CMAQ) Funds



# UTA - Vanpool Management Project Type - Transit

Various Areas in the Ogden/ Layton Urbanized Area



**Recommended Funding \$ 127,130**

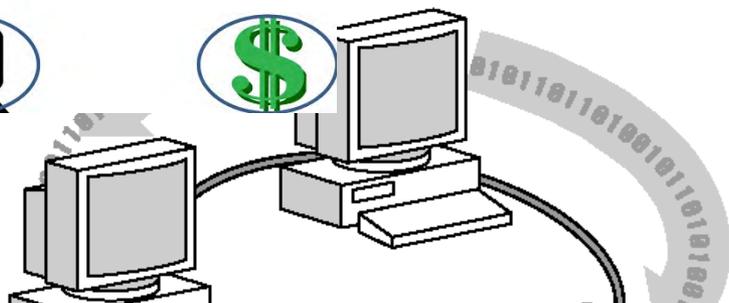
Project Cost –  
\$ 140,000

Funds Request –  
\$ 127,130

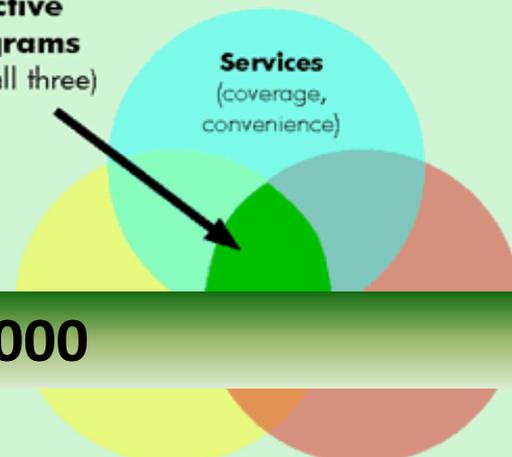
Manage the daily logistics and expenses of a 420+ vanpool program which reduces single occupancy vehicle usage. Oversight of the program includes managing each group's roster, payments, maintenance, and reporting riders and miles traveled to meet federal guidelines.

# UTA – Transportation Demand Management - Rideshare Project Type - Transit

Various Areas in the Ogden/Layton Urbanized Area



**Most Effective  
TDM Programs**  
(Combine all three)



**Recommended Funding \$ 30,000**



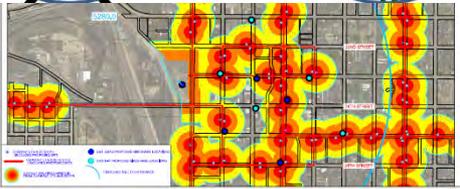
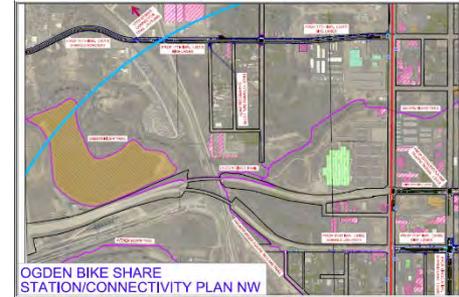
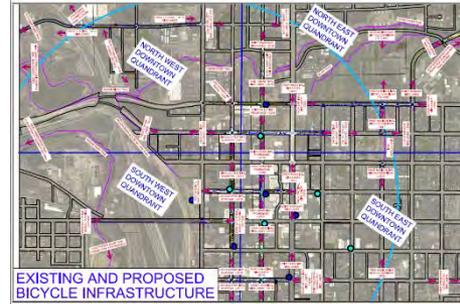
Project Cost –  
\$ 40,000

Funds Request –  
\$ 30,000

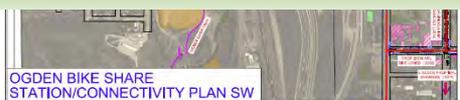
Provides carpool, vanpool, and other commuting matches. Provides non-commute matches for special event trips. Educate communities and others concerning alternative transportation options and promote those options that reduce single occupancy vehicle usage, improve mobility, enhance air quality, and conserve energy.

# Ogden City – Ogden City Bike Share Phase II Project Type – Capital Improvement

Various Areas throughout the Central Business District



**Recommended Funding \$ 150,000**



**Project Cost –  
\$ 401,500**

**Funds Request –  
\$ 345,193**

After investigating SLC "Greenbike" and completion of the Ogden Bicycle Master Plan, Ogden believes our City is ready for a bikeshare program. Ogden bikeshare would be an option to resolve the "first/last mile" transit quandary while bolstering economic activity in the CBD area of the City. A bikeshare program will also promote physical activity all while offering a zero emission transportation option to visitors and residents.

# Davis County Ski Buses - Bus Purchase for Two Buses

## Project Type - Transit

Layton Station to Snowbasin via Layton Hills Mall/ Hotels and Park and Ride lots



**Recommended Funding \$ 912,830**



**Project Cost –  
\$ 1,020,000**

**Funds Request –  
\$ 950,946**

Layton City, Davis County, Snow Basin, and UTA have established seasonal local bus service from Layton City to ski areas via Trappers Loop. This now uses older ski buses from the SLC area that have met the requirements for retirement. New buses are needed as this service continues.

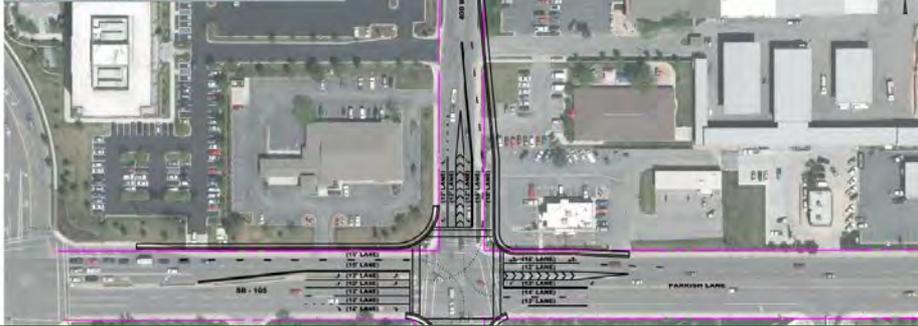
# Centerville City – Parrish Lane (SR-105) & 400 West - Intersections Improvement

## Parrish Lane & 400 West



### 400 WEST & PARRISH LANE

CONCEPTUAL DESIGN - DUAL LEFT TURNS EASTBOUND AND NORTHBOUND



**Recommended Funding \$ 1,780,040**

The Parrish Lane - 400 West Intersection is extremely congested. This project is an essential project for Centerville City and UDOT Region 1 in order to reduce congestion along Parrish Lane. This project will be built to the 2040 traffic model prepared by UDOT Region 1 traffic engineers and is in coordination with the UDOT Region 1 plans to improve the Parrish Lane - I-15 Interchange.

Project Cost –  
\$ 1,909,300

Funds Request –  
\$ 1,780,040

# UTA – Vanpool Management Project Type - Transit

Various Areas in the Salt Lake Urbanized Area



**Recommended Funding \$ 263,733**

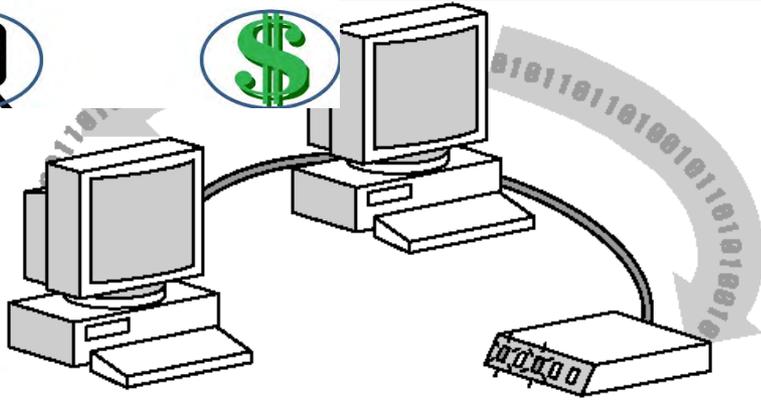
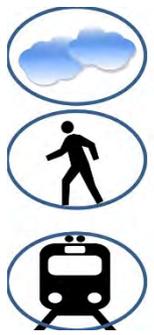
Project Cost –  
\$ 282,884

Funds Request –  
\$ 263,733

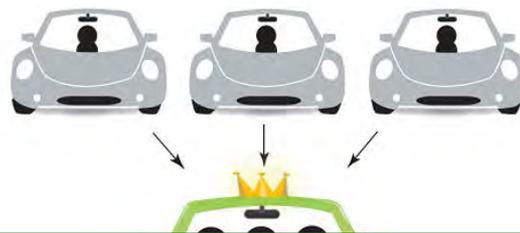
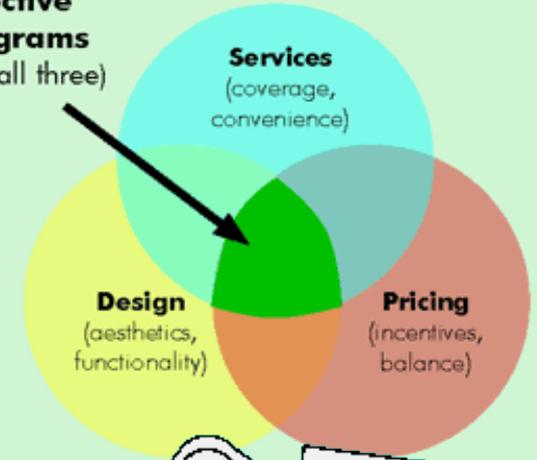
Manage the daily logistics and expenses of a 420+ vanpool program which reduces single occupancy vehicle usage. Oversight of the program includes managing each group's roster, payments, maintenance, and reporting riders and miles traveled to meet federal guidelines.

# UTA – Transportation Demand Management - Rideshare Project Type - Transit

Various Areas in the Salt Lake Urbanized Area



**Most Effective  
TDM Programs**  
(Combine all three)



**Recommended Funding \$ 55,000**

Project Cost –  
\$ 58,994

Funds Request –  
\$ 55,000

Provides carpool, vanpool, and other commuting matches.  
Provides non-commute matches for special event trips.  
Educate communities and others concerning alternative transportation options and promote those options that reduce single occupancy vehicle usage, improve mobility, enhance air quality, and conserve energy.





# UTA – Locomotive Over Haul Project Type – Operations

Rebuild 4 Locomotive Prime Mover Engines



**Recommended Funding \$ 1,172,834**



**Project Cost –  
\$ 2,516,000  
Funds Request –  
\$ 2,345,667**

This project will rebuild 4 locomotive prime mover engines to Tier 2+ emissions standards. The rebuilding of 4 locomotive prime mover engines to EPA's standard of Tier 2+ would reduce the total emissions of criteria air pollutants (i.e. NO<sub>x</sub>, HC, CO and PM) by 8,758 kg annually.

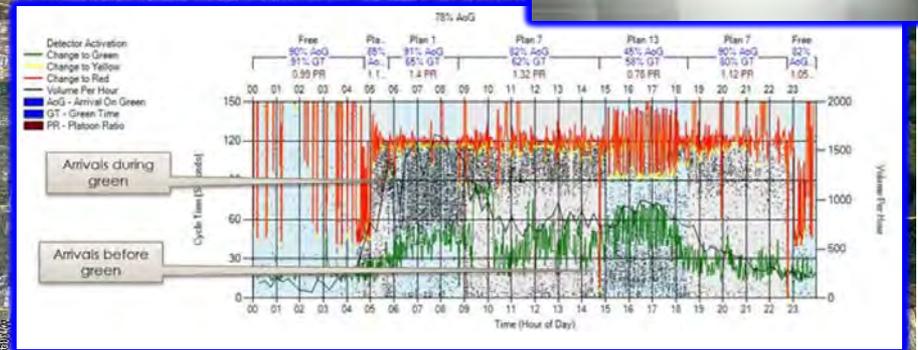
# UDOT (TOC) – Salt Lake Urban Area – Signal Interconnect Project Type – ATMS or ITS



Various Locations

**SYNCHRONIZATION BENEFITS**

- TRAVEL TIME ↓ 20%
- DELAYS ↓ 43%
- STOPS ↓ 41%
- FUEL USE ↓ 10%
- AIR QUALITY ↑



**Recommended Funding \$ 900,000**

Project Cost –  
\$ 1,608,600

Funds Request –  
\$ 1,499,698



Connect traffic signals via fiber or radio to enable signal metrics, improve traffic signal performance along corridors, reduce congestion, improve travel times and provide remote to facilitate real-time management of incidents or events.

# Salt Lake City – Bike Share Program

## Project Type – Bicycle

900 West to 1100 East – 600 North to 1100 South



**END**

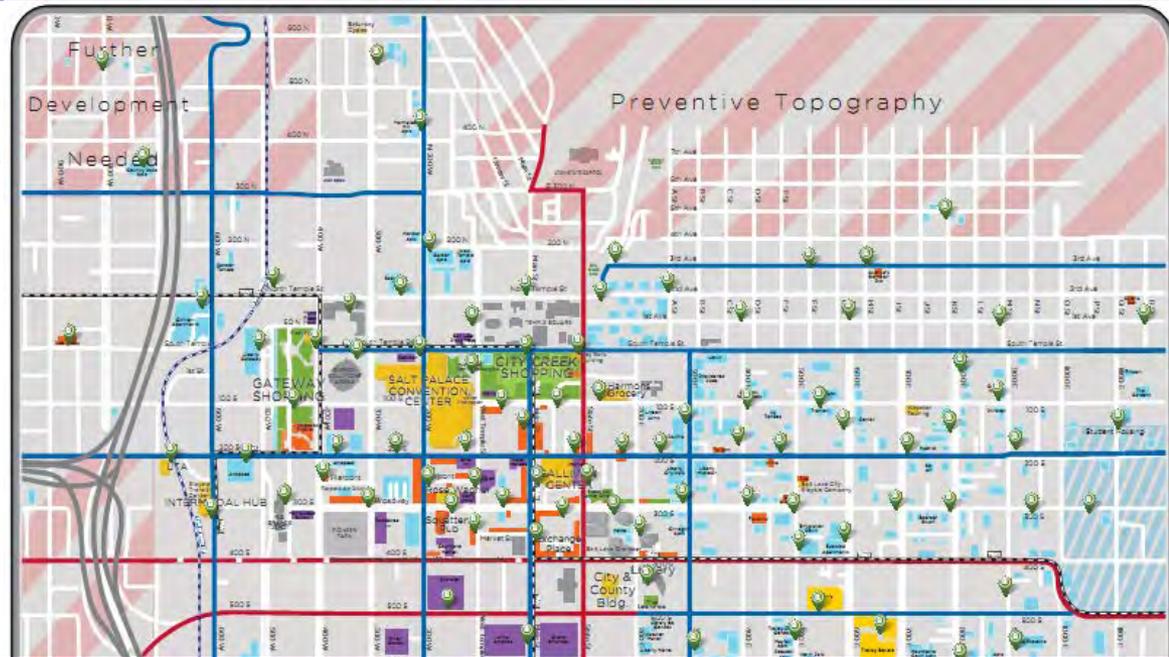
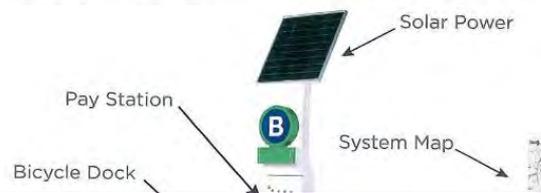
■ SHOPPING & ENTERTAINMENT
 ■ RESIDENTIAL



# GREENbike

SLC BIKE SHARE

100 Stations / 1,000 Bikes: 2020



**Recommended Funding \$ 300,000**



**Project Cost –**  
 \$ 800,800  
**Funds Request –**  
 \$ 746,586

The bike share program provides an option for commuters to link local destinations with regional transit via bicycle and reduce short car trips in the downtown area. GREENbike works to improve the community's health and reduce carbon emissions and vehicle miles traveled by providing alternatives to automobile trips. This funding will provide 9 stations, 200+ docks, 10 kiosks, and other infrastructure necessary to maintain and grow a robust bike share system.

# Salt Lake City – Traffic Signal Synchronization

## Project Type – Operations

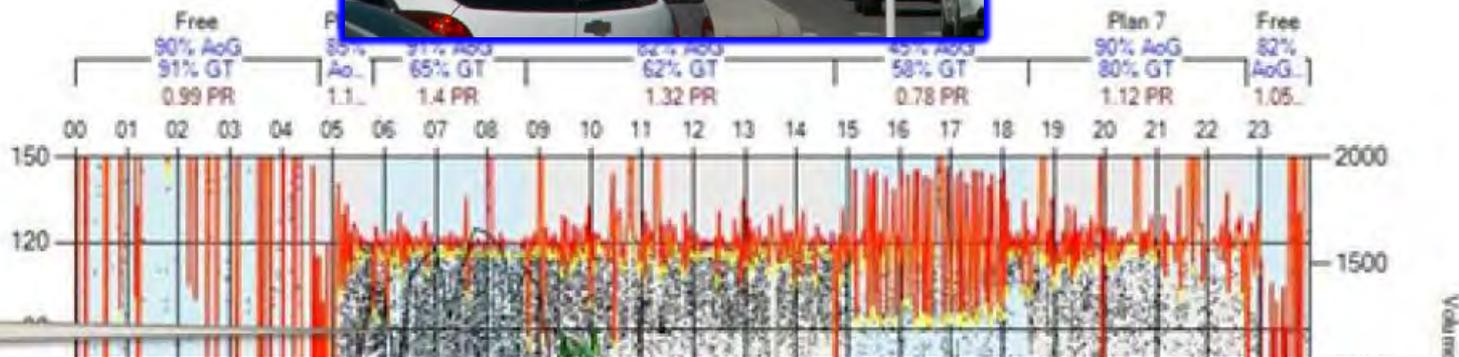
### Salt Lake City Signals



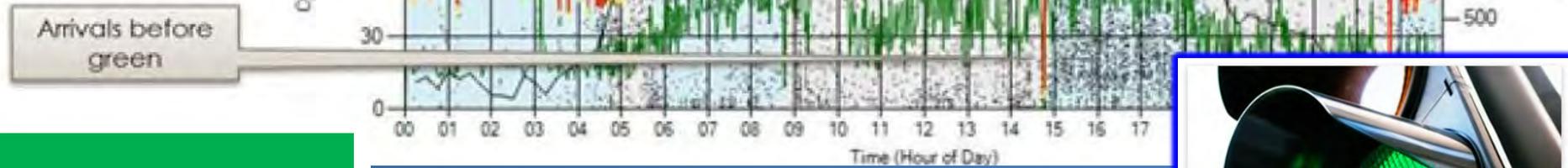
AIR QUALITY ↑



- Detector Activation
- Change to Green
- Change to Yellow
- Change to Red
- Volume Per Hour
- AoG - Arrival On Green
- GT - Green Time
- PR - Platoon Ratio



**Recommended Funding \$ 930,000**



Project Cost –  
\$ 1,000,000  
Funds Request –  
\$ 930,000

Acquire and install radar detection to allow Salt Lake City to utilize UDOT signal performance measures and synchronize City traffic signals.



# Murray City – 5300 South & College Drive

## Project Type – Intersection Improvements

College Drive & 5300 South (SR-173)



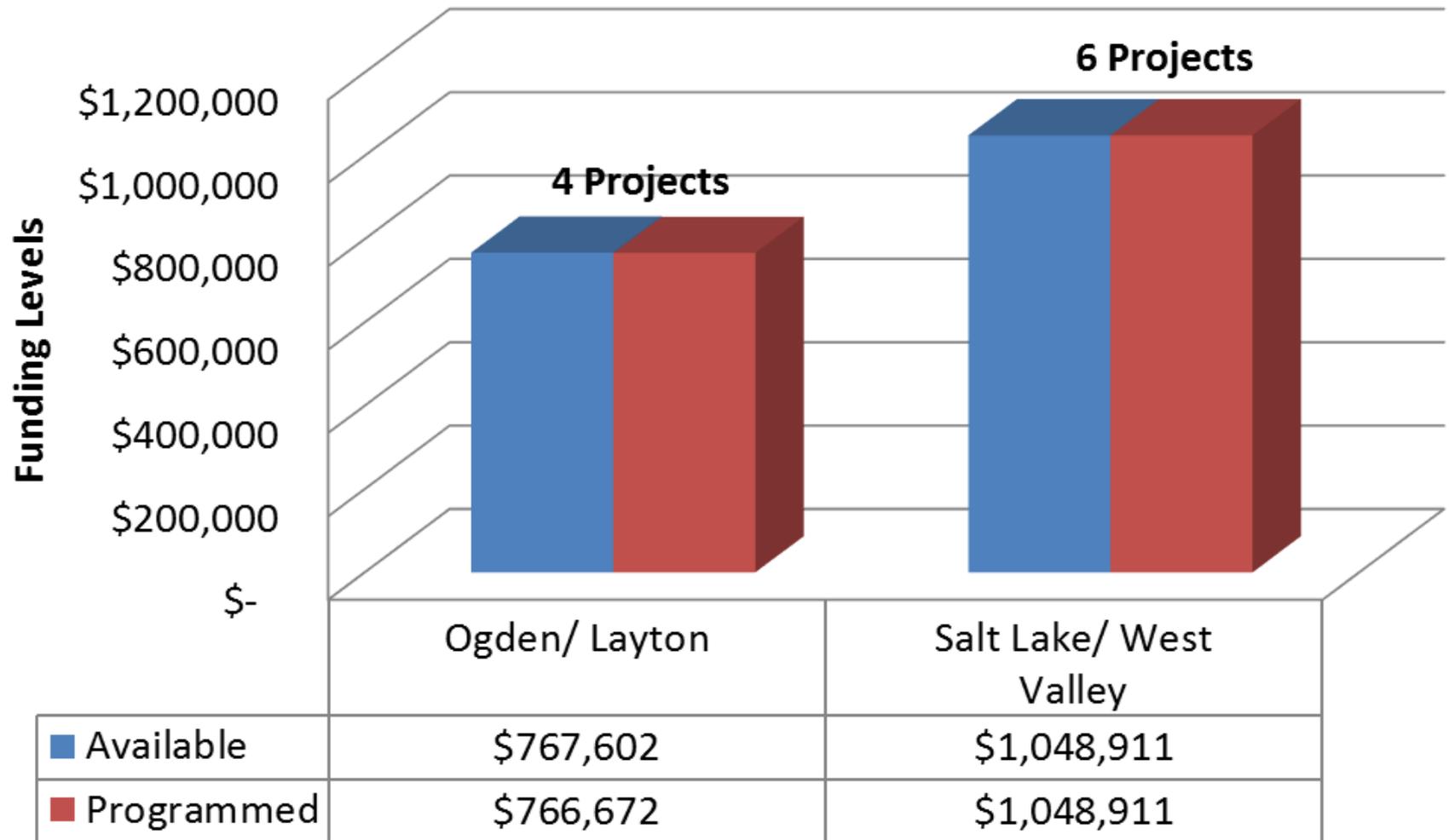
**Recommended Funding \$ 1,694,362**



Project Cost –  
\$ 1,842,400  
Funds Request –  
\$ 1,694,362

The purpose of this project is to construct dual left-turn lanes in the south and westbound approaches, and a separate right-turn lane in the westbound approach in order to accommodate the existing and future traffic demand and reduce air pollution.

# Transportation Alternatives Program (TAP) Funds



# North Salt Lake – Orchard Drive Sidewalk – South Segment Project Type – Capital Improvement

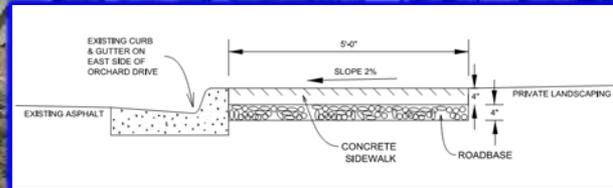
183 South (eastside) to 83 South (eastside)



**Recommended Funding \$ 271,672**

Project Cost –  
\$ 301,400

Funds Request –  
\$ 271,672



This segment of Orchard Dr. does not have safe pedestrian/bike facilities. To the south, there is a mixed-use development with a future transit station. To the north, there is an elementary school and a developing Town Center. This segment of sidewalk is desperately needed to safely connect those areas.

# West Haven – River Parkway Trail

## Project Type – Capital Improvement

### 1800 South to 2200 South



The proposed project, from 1800 South to 2200 South, will fill a gap and connect the final phase of the trail (1800 South to the Weber River) to the existing Denver and Rio Grande



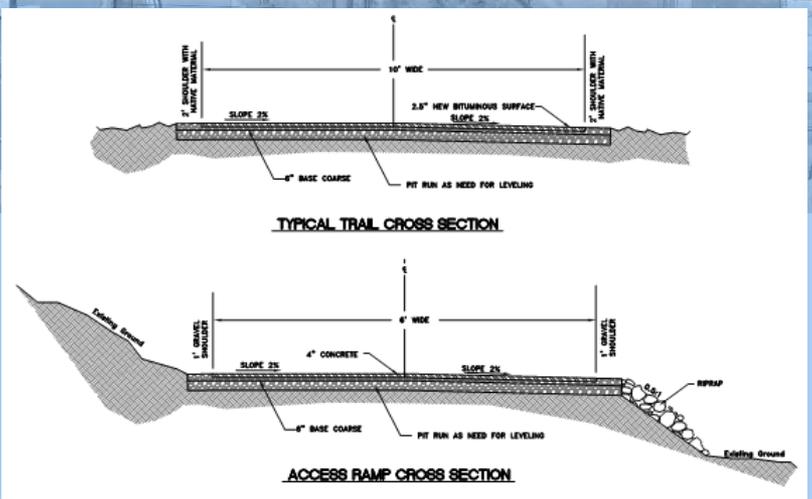
**Recommended Funding \$ 200,000**

trail that will connect the Weber River to the Jordan River Trail in Salt Lake. The city commits to contribute \$91,441 to complete the trail.



**Project Cost – \$ 530,800**

**Funds Request – \$ 436,130**



# UTA – Update Bike Cars on FrontRunner Project Type – Capital Improvement

Pleasant View to Woods Cross



**Recommended Funding \$ 95,000**



**Project Cost –  
\$ 116,900**

**Funds Request –  
\$ 108,986**

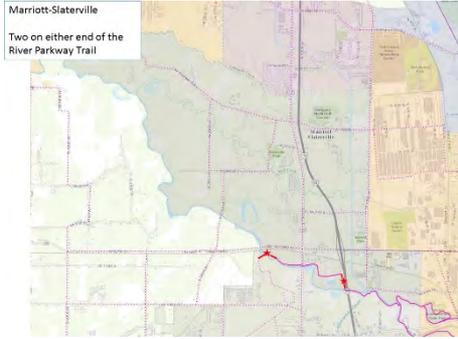
This request is for new bike racks on 10 of UTA's 16 FrontRunner bike cars. There is a bike car on each FrontRunner train consist. Current racks have capacity for 9 bikes each while the new configuration has room for 15. While riders appreciate bike accommodation, they are concerned about capacity, usefulness, and safety.



# Davis\ Weber County – Bicycle Counters

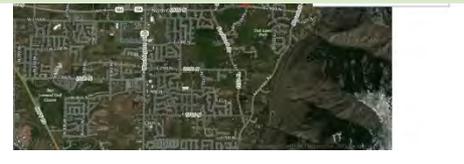
## Project Type – Capital Improvement

100 Counters placed at various locations



**Project Cost – \$ 500,000**

**Recommended Funding \$ 200,000**



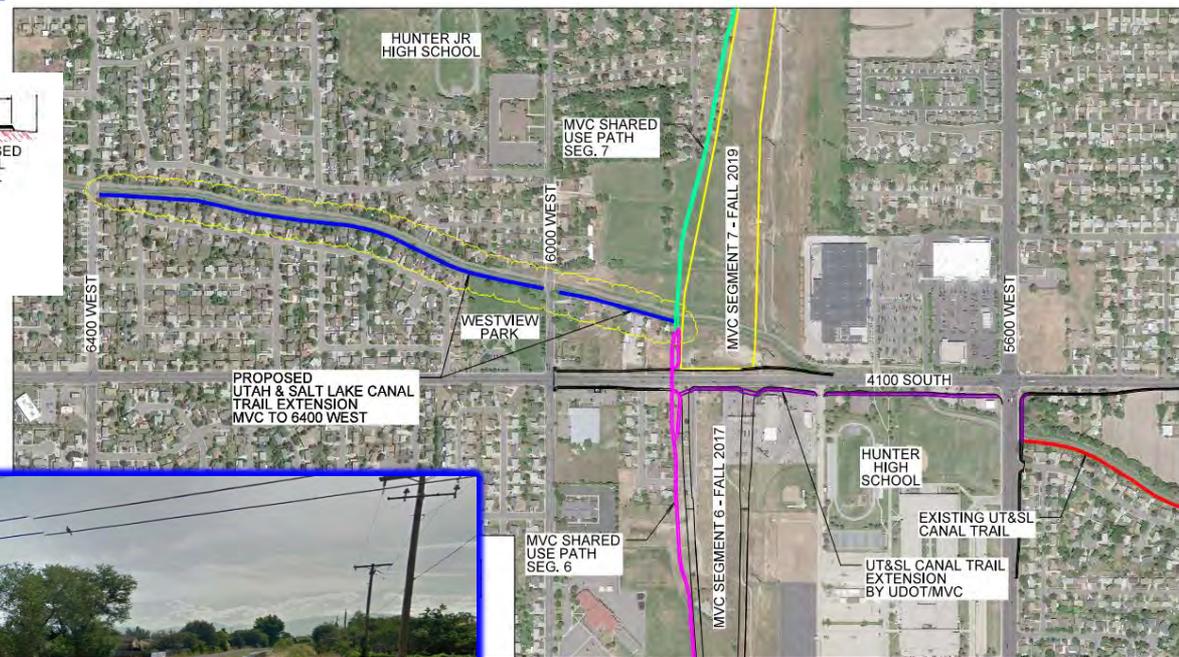
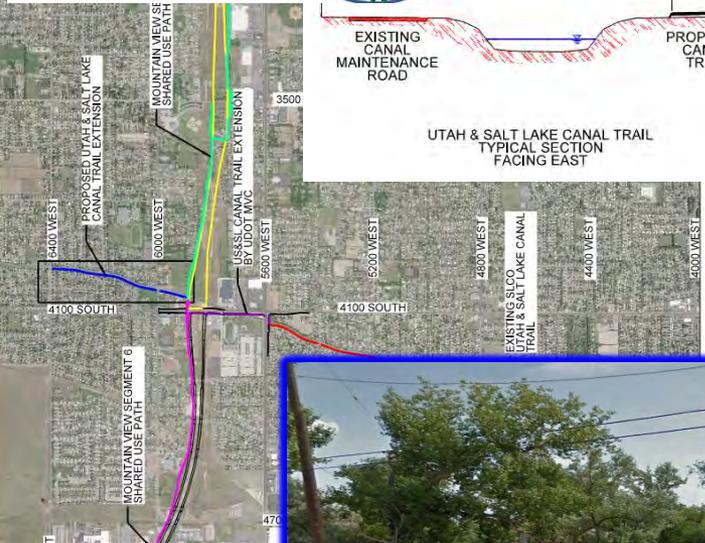
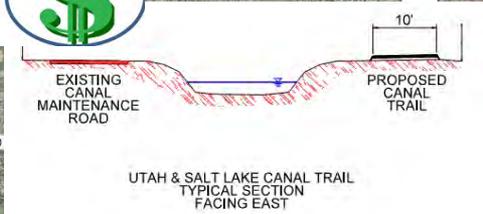
**Funds Request – \$ 465,000**

As cycling continues to grow along the Wasatch Front it becomes imperative that we start tracking the numbers of riders using existing facilities. The count data will help government agencies understand how many people are using existing facilities, what those patterns look like, and be able to make educated, data driven decisions on future bike facilities.

# West Valley – Utah & Salt Lake Canal Trail Extension

## Project Type – Capital Improvement

### Mountain View Corridor Trail to 6400 West



**Recommended Funding \$ 271,299**



**Project Cost –  
\$ 291,000**

**Funds Request –  
\$ 271,299**



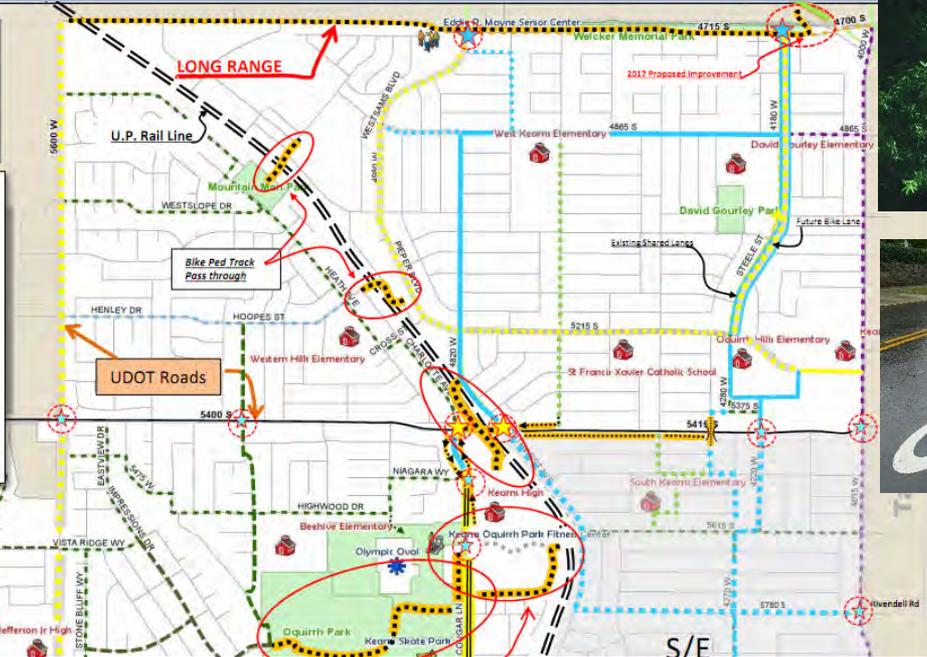
The UT&SL Canal Bike Trail exists from 4000 W - 5600 W, with a new tie to MVC Trail being built late 2017. By 2019 the MVC trail will extend from Bluffdale to Calif Ave. This proposed project extends the UTSL Canal Trail to 6400 West, improving access to the regional trail network.

# Salt Lake County – Kearns Metro Township – Kearns Bicycle Signing Project Type – Capital Improvement

## Wayfinding Signage for Kearns Metro Boundaries



- Existing      - - - - Proposed
- ▬ Cycle/Pedestrian Track
- ▬ Buffered Bike Lane
- ▬ Bike Lane
- ▬ Shoulder Bike Way
- ▬ Marked Shared Road
- ▬ Signed Shared Road
- ▬ Paved Trail
- ★ Safety Lane Markings W/Detection
- ★ Proposed Spot Improvement



## Recommended Funding \$ 60,000



Project Cost –  
\$ 80,000

Funds Request –  
\$ 60,000

Provide wayfinding and bike route direction with pavement markings, signing and striping for the Kearns Metro township bike network. This project will implement needs as identified by the WFRC and Salt Lake County metro area bicycle network master plans to assist tourists, local and regional cyclists find their way in and through Kearns to adjacent city bike ways, rapid transit bus stops, schools, industrial parks, trails, and parks.

# Salt Lake City Transportation – SLC Bike Share

## Project Type – Capital Improvement

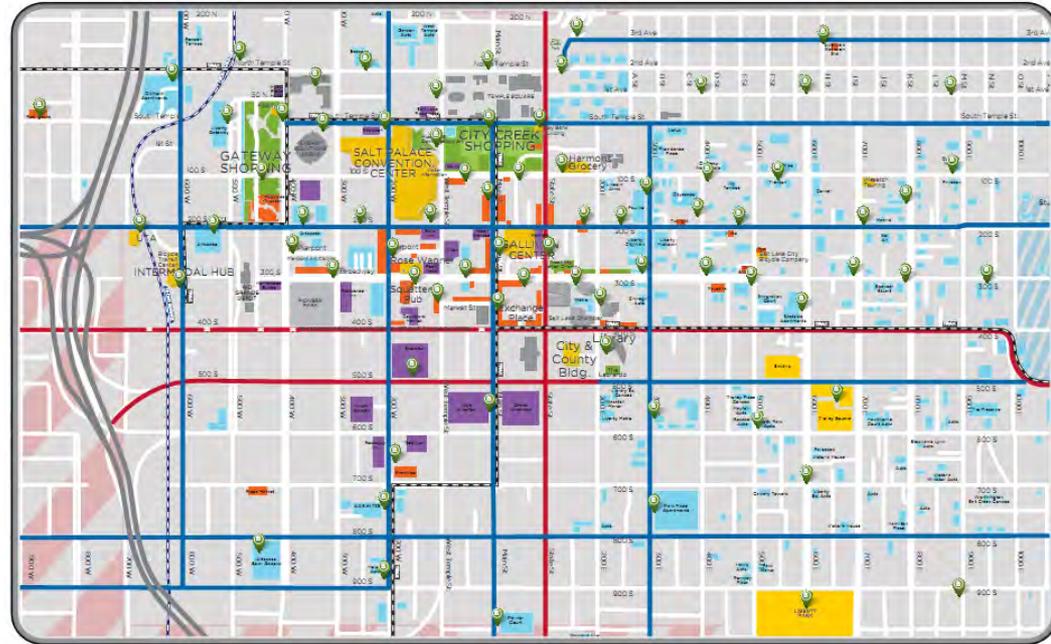
900 West to 1100 East – 600 North to 1100 South



75 Stations / 700 Bikes: 2019



LEGEND	
<span style="color: orange;">■</span>	FOOD/DRINK
<span style="color: purple;">■</span>	HOTEL
<span style="color: green;">■</span>	SHOPPING & ENTERTAINMENT
<span style="color: lightblue;">■</span>	RESIDENTIAL



## Recommended Funding \$ 150,000

destinations with regional transit via bicycle and reduce short car trips in the downtown area. GREENbike works to improve the community's health and reduce carbon emissions and vehicle miles traveled by providing alternatives to automobile trips. This funding will provide 7 stations, 170 docks, 7 kiosk, and other infrastructure necessary to maintain and grow a robust bike share system. This TAP money will be used to get closer to the goal of 75 stations in 2019 as outlined in the GREENbike Strategic Implementation Plan.

Project Cost –  
\$ 373,973

Funds Request –  
\$ 350,260

# Salt Lake City – Transit Stop Improvements

## Project Type – Capital Improvement

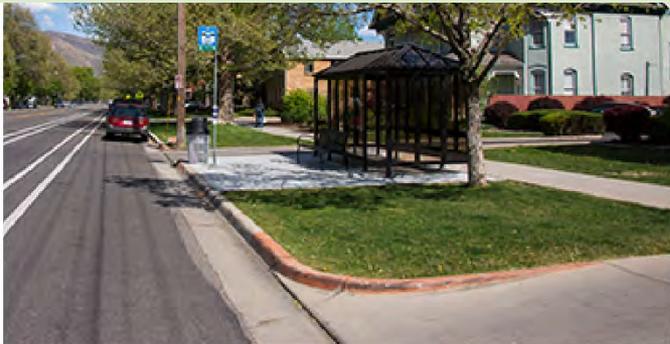
City Wide



Project Cost  
 \$ 200,000

Funds Request  
 \$ 186,000

**AFTER IMPROVEMENTS:**



Approximately 83% of bus stops in Salt Lake City are

**Recommended Funding \$ 186,000**

disabilities to access and lacking a bench or shelter for all riders waiting for the bus. This project would include concrete pads, ADA accessibility, and amenities at the busiest and highest need stops. Ridership on 200 South saw an 18% increase in ridership after such improvements. UTA funds that were previously used for these improvements are now programmed for TIGER first/last mile projects, and both UTA and the City have been working to fill this funding gap.

# UTA – Update Bike Cars on FrontRunner Project Type – Capital Improvement

North Temple to Draper



**Recommended Funding \$ 181,612**

Project Cost –  
\$ 194,800  
Funds Request –  
\$ 181,612

This request is for new bike racks on 10 of UTA's 16 FrontRunner bike cars. There is a bike car on each FrontRunner train consist. Current racks have capacity for 9 bikes each while the new configuration has room for 15. While riders appreciate bike accommodation, they are concerned about capacity, usefulness, and safety.



# Salt Lake County – Bicycle Counters

## Project Type – Capital Improvement

### Salt Lake Valley Metro Area



**Recommended Funding \$ 200,000**



**Project Cost –  
\$ 299,900**

**Funds Request –  
\$ 279,597**

Ridership data is lacking in Utah. Planning and network expansion are improving, but agencies are asking questions about ridership that we do not currently have the ability to answer. This project will place automatic counters at strategic locations around Salt Lake County to begin collecting this vital data.