

CMAQ Discussion

WFRC TransCom Technical Advisory Committee

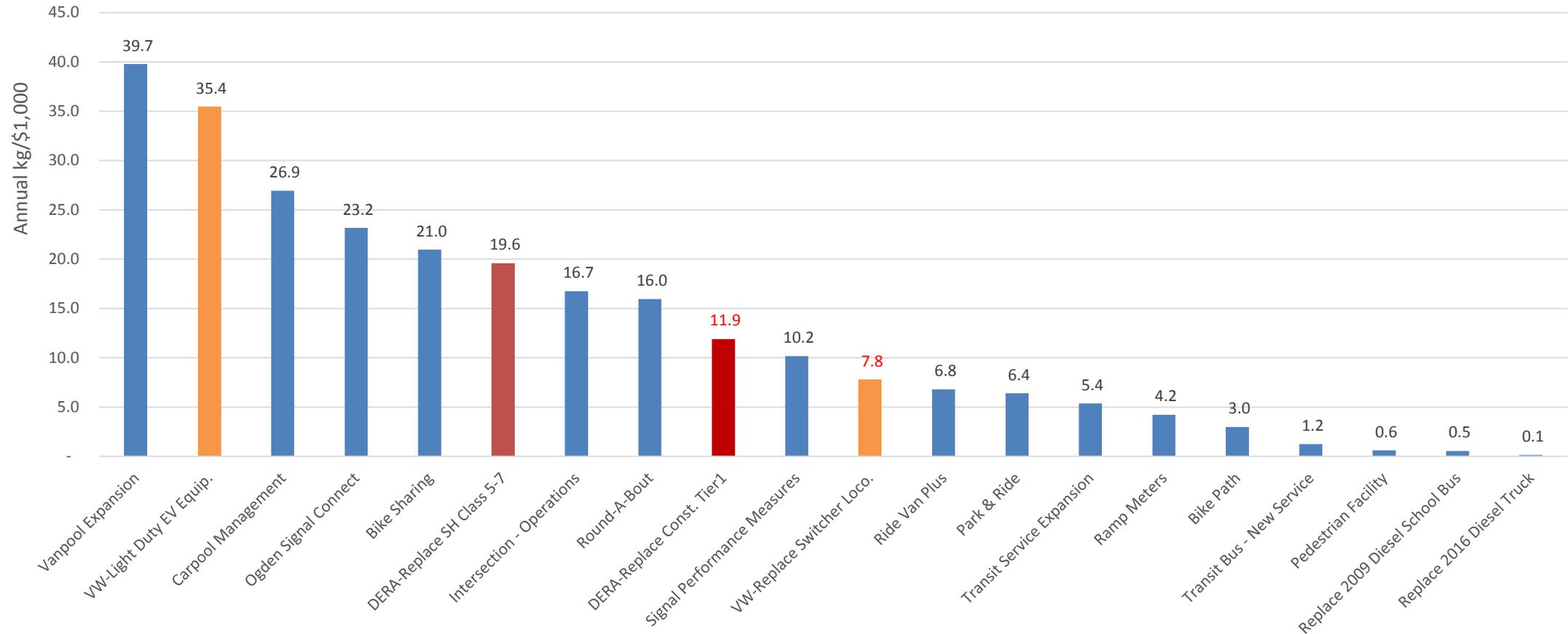
July 31, 2019

Effective Life Recommendations for CMAQ Projects

Project Type	Current	Proposed	Notes
ATMS or ITS	5	5 10 20	5 for signal timing or software 10 for signs and hardware 20 for concrete and asphalt
Intersections & Signals	5	5 20	5 for signal timing or software 20 for concrete and asphalt
Incident Management	1	1-3 15	1 to 3 for operating cost 15 for vehicle and equipment
Transit - Bus Service	1	1-3	1 to 3
Transit - Capital	10	10 15 20	10 for hardware 15 for buses 20 for asphalt or concrete
Transit - Fares	1	1-3	1 to 3
Transit - ITS	5	5 10 20	5 for signal timing or software 10 for signs and hardware 20 for concrete and asphalt
Transit - LRT Service	1	1-3	1 to 3
Bicycle	10	10 20	10 for bicycles and hardware 20 for asphalt and concrete
Pedestrian	10	10 20	10 for hardware 20 for asphalt and concrete
Park & Ride	20	20	20
Vanpools - Expansion	5	5	5
Rideshare Management	1	1	1
Alternative Fuels	5	1-20	Varies
Vehicle Replacement	-	-	TBD
Other	Varies	Varies	

CMAQ Benefit/Cost Comparison

(specific project benefits may vary)



CMAQ Emissions Analysis Form (2017-2022 TIP)
Bicycle Facility Improvements

E-mail a copy of this completed form to: kin@wfr.org

Please complete information in all tan shaded cells.

Contact Information

Project Sponsor	SLC	Phone	(801) 535-6569
Project Manager	Alexis Verson	e-mail	alexis.verson@slcgov.com

Project Information

Type of Project	Bicycle	City	Salt Lake City
Location:	Street: Bonneville Golf Course	County	SL
	From: Connor Street	Funding Year	2022
	To: Wasatch Drive		
Name of Project	SLC - Bonneville Bike Trail	Area	Salt Lake
Project Description	Please enter here a brief description of this project, including the basic cost elements that comprise the total shown below (right-of-way, materials, pavement quantities, equipment costs, labor costs, etc.), assumptions made in estimating emission reductions and the justification for those assumptions, and any other relevant supporting information.		

		Annual Emission Reduction –	
		<i>(Reduced LD VMT * LD Start Rates) + LD Starts * LD Start Rates * Days</i>	
Effective Days <i>(usually 180 seasonal working days for bicycles)</i>	180	Method A: Estimated Daily Bicycle Commuters <i>(enter "0", or provide documentation for this estimate; include both directions)</i>	40
Auto Occupancy <i>(default is 1.2)</i>	1.2	Method B: Average Annual Daily Traffic <i>(enter "0" to use the estimate above, or use UDOT AADT value for nearest minor arterial or collector)</i>	
Type of vehicles affected by this project <i>(use LD, ie "light duty", for bicycle projects)</i>	LD	AADT Based Estimate of Daily Bicycle Commuters <i>(AADT * 0.24 * 0.005)</i>	
		<i>Note: Work Trips = 24% of AADT 2000 Census bicycle work trip mode share is 0.5%</i>	
Project life <i>(10 years recommended for bicycle projects)</i>	10	One-Way Bicycle Trip Distance (miles) <i>(suggestion: not to exceed 10 miles)</i>	0.4
CMAQ funds requested <i>(projects less than \$100,000 are encouraged to seek local funding)</i>	\$ 447,000	Reduced Daily VMT for this Bicycle Project	18



Transportation Improvement Program - Today . . .

- 4a. Action on a New Board Modification
 - To the 2019-2024 TIP
- 4b. Action on the 2020-2025 Transportation Improvement Program (TIP) & Corresponding Air Quality Conformity Finding
- 4c. Recommendations for the Congestion Mitigation/ Air Quality Program

4a - 2019-2024 TIP Board Modification

Trans Com
August 14, 2019

Ben Wuthrich
Wasatch Front Regional Council

2019-2024 Transportation Improvement Program (TIP) (Amendment Nine)

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	Salt Lake County	Grit Mill	14944	Grit Mill and Climbing Master Plan; Little Cottonwood Canyon Park & Ride	Construction of Parking Lot/ Trailhead and Restroom and realign SR-210 for access improvements	LOCAL_GOVT Local Government Funds	\$899,202	\$141,000			2019
						LOCAL_INKIND Local In Kind (Soft Match)		\$14,720			
						Other		\$44,361			
						ST_CONT_R2 State Construction - Region 2 Contingency		\$125,000			
						TAP_URB_WFRC (Transportation Alternatives Program - Urban Area (WFRC))		\$387,927	Additional Funding	\$186,200	

When completed, this project will construct a parking lot and improve road conditions on SR-210 and Wasatch Resort Road. Safety will be improved by removing cars that park along the roadway and improve the sight distance for travelers as well as the constructing of a center turn lane at the intersection. This request is for additional funding identified during final design and increased construction costs. The additional funding is available from other project cost savings.

Salt Lake	Salt Lake City	1300 East	11083	1300 East; 1300 South to 2100 South	Reconstruction with minor improvements to Drainage, Curb, Gutter and Sidewalk	LOCAL_GOVT Local Government Funds	\$10,519,961	\$3,013,784	Additional Funding	\$26,868	2019
						LOCAL_INKIND Local In Kind (Soft Match)		\$129,961			
						STP_URB_SL (Surface Transportation Program - Urban Area Salt Lake (WFRC))		\$6,736,709	Additional Funding	\$370,000	
						TAP_URB_WFRC (Transportation Alternatives Program - Urban Area (WFRC))		\$199,507			

When completed, this project will reconstruct 1300 East including improvements to curb, gutter, sidewalk, bike lanes, and bus stops. The request for additional funding has been generated by a 2-D fiber optic duct bank that was originally intended to be protected in place. At the commencement of construction this duct bank was found to be shallower than expected. The project now needs to replace roughly 6,000 feet of new 2-D duct bank and associated fiber optic cable. The additional funding is available from other project cost savings.

Salt Lake	South Jordan	2200 West	14040	2200 West; 9400 South to 11400 South	Reconstruction with minor widening including; improvements to Drainage, Curb, Gutter and Sidewalk	STP_URB_SL (Surface Transportation Program - Urban Area Salt Lake (WFRC))	\$7,872,000	\$4,200,852	Additional Funding	\$2,330,750	2019
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When completed, this project will reconstruct 2200 West including improvements to curb, gutter, sidewalk, bike lanes, and shoulders. The request for additional funding is a result of rising construction costs, increase in right of way costs the number of right of way takes, and the improvements to two canal crossings that at the time of initial application, no significant structural work was anticipated. The additional funding is available from other project cost savings.

Salt Lake – Grit Mill Parking Facility

Construct Parking Lot/ Trailhead, Restroom, and Roadway Improvements

Additional funding is available from other project cost savings

Project improvements include . .

- New Construction of a parking lot
- Improve road conditions on SR-210 & on Wasatch Resort Road
- Remove on-street parking
- Improve sight distance

Additional Federal Funding
\$ 186,200

Total Project Cost Estimate \$ 899,202

Salt Lake – 1300 East; 1300 South to 2100 South

Reconstruct with minor Improvements to Drainage, Curb, Gutter, and Sidewalk

Additional funding is available from other project cost savings

Additional Federal Funding
\$ 396,868

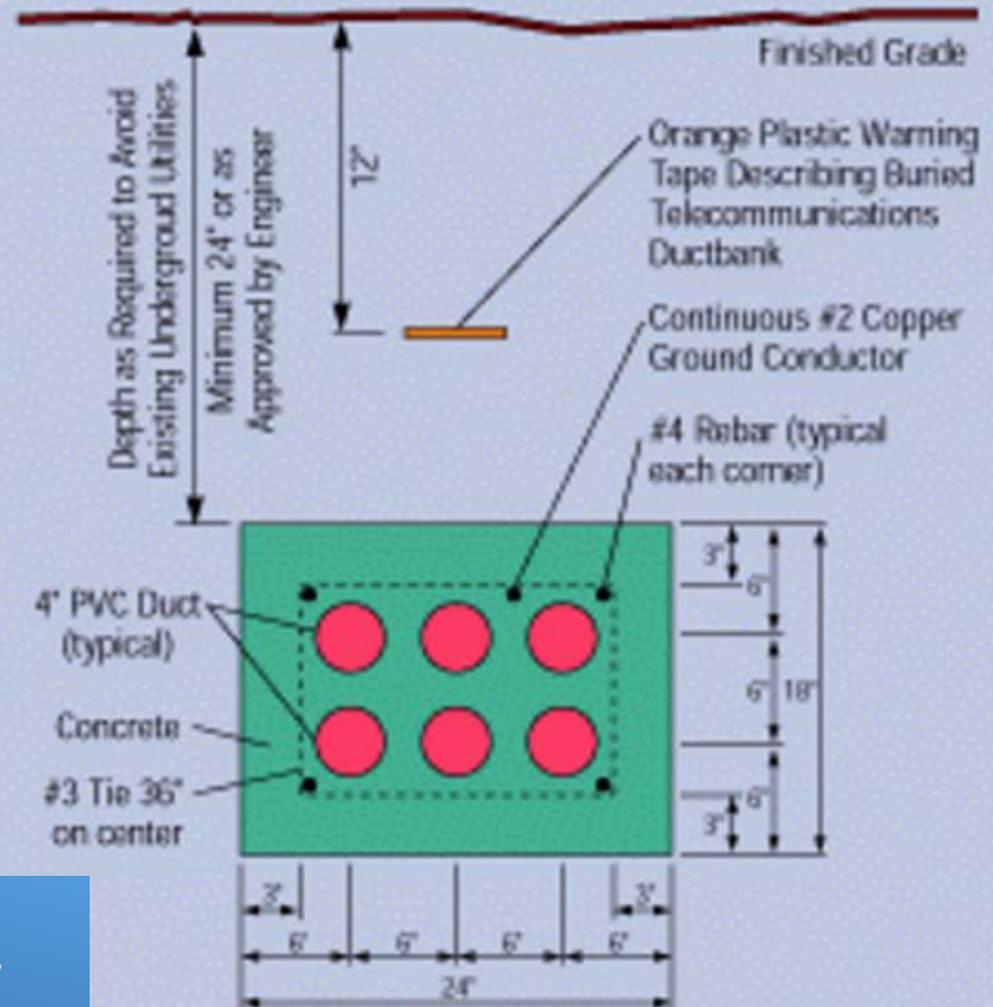
Total Project Cost Estimate \$ 10,519,961

Additional Funding is needed to . . .

- Relocate a Fiber Optic Duct Bank
- Replace roughly 6,000 feet of new Duct and associated fiber cable



Ductbank Cross Section



Salt Lake – 2200 West; 9400 South to 11400 South

Reconstruct w/ minor widening - including improvements to Drainage, Curb, Gutter and Sidewalk

**Additional Federal
Funding**

\$ 2,330,750

**Total Project Cost
Estimate \$ 7,872,000**

**Additional funding is
available from other
project cost savings**

**Additional Funding is
necessary because . . .**

- Rising construction costs
- Increase in the amount of right of way needed
- Right of way cost increases
- and improvements to two canal crossings

2019-2024 Transportation Improvement Program (TIP) (Amendment Nine)

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	SR-186 (500 South)	16216	500 South (SR-186); 1300 East to 2100 East & Stringham Ave to I-215	Pavement Preservation Project	STP_FLX_ST Surface Transportation Program - Flexible (Any Area) Statewide	\$3,750,000	\$2,800,000	Additional Funding	\$950,000	2019

The existing project is scoped to remove and replace 1.5 inches of pavement. Due to poor pavement conditions it is recommended that the project incorporate the adjacent SR-186/I-215/I-80 interchange ramps improvements, rather than come back at a future date to rehabilitate the Interchange ramp sections. The additional funding is available from other project cost savings.

Salt Lake	UDOT	SR-172 (5600 West)	14413	SR-172; 5600 West Railroad Crossing	Railroad Crossing Construction	Union Pacific Railroad Funds	\$93,735,126		Additional Funding	\$6,909,045	2019
						FA_INFRA@100 (Infra Grant)				\$11,352,772	
						NHFP (National Highway Freight Program)				\$21,992,057	
						STP_FLX_ST Surface Transportation Program - Flexible (Any Area) Statewide				\$22,331,442	
						Various Misc Funding				\$6,443,034	
						ST_TIF State Transportation Investment Funds				\$12,353,388	

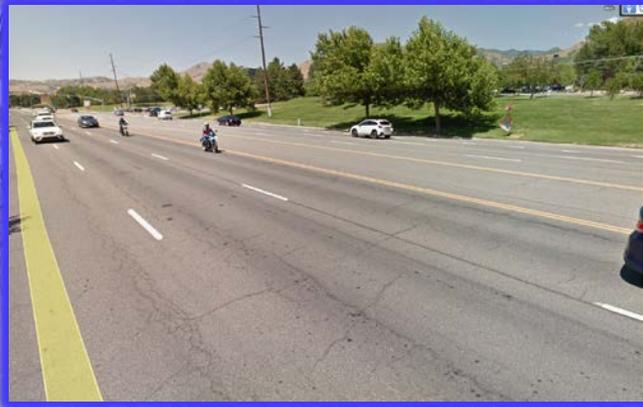
Region Two has received the signed agreement from Union Pacific Railroad (UPRR). In the agreement UPRR agrees to pay UDOT a total of \$6,909,045 for making this a grade separated structure and expanding the bridge to accommodate an additional future track.

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
Morgan	UDOT	Devil's Slide Bridge	12624	Devil's Slide Bridge, Near Croydon	Bridge Replacement	STP_Bridge Surface Transportation Program - Bridge Funds for State Projects	\$3,600,000	\$2,200,000	Additional Funding	\$1,400,000	2019

The existing bridge was constructed in 1934 and is currently owned by Morgan County. It has substandard geometry, limited sight distance, and the Weber River frequently overtops it. The bridge experiences significant truck traffic servicing the Holcim Cement Plant adjacent to the project site. The new bridge will be constructed to current geometrical standards with wider shoulders, and the hydraulic opening will be increased to reduce the frequency of overtopping. Vertical constraints imposed by adjacent RR bridges eliminate the ability to meet current hydraulic requirements. The new bridge will be constructed with precast elements to minimize the required closure. The bridge replacement project is scheduled to advertise mid-October, 2019, and to be constructed in 2020. The additional funding is available through cost savings on other projects in the Bridge Program.

Salt Lake – 500 South (SR-186); 1300 E to 2100 E & Stringham Ave to I-215 Pavement Preservation Project



Additional Funding
\$ 950,000

Total Project Cost
Estimate \$ 3,750,000

Additional funding is available from other project cost savings



Project improvements include . . .

-- Due to poor pavement conditions, the project will include work on the interchange ramps SR-186/ I-215/ I-80



Salt Lake – 5600 West (SR-172) – SR-201 to I-80 Railroad Crossing and Roadway Improvements

Additional Funding
\$ 6,909,045

Total Project Cost
Estimate \$ 93,735,126

**Project
improvements
include . .**

- Widening of 5600 West from 2 lanes to 5 lanes
 - Construct viaduct over rail crossing
 - - Drainage, shoulders, curb & gutter, sidewalk & lighting

Additional funding is available from UPRR to Widen Grade Separated Structure for Future Track



Morgan – Devil's Slide Bridge, Near Croydon Bridge Replacement



Additional Funding
\$ 1,400,000

Total Project Cost
Estimate \$ 2,200,000



Additional funding is
available from project cost
savings in the Bridge
Program



**Project
improvements
include . . .**



-- New Bridge constructed to
standards, wide shoulders, wider
hydraulic clearance, improved
clearance & improved sight distance

2019-2024 Transportation Improvement Program (TIP) (Amendment Nine)

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	SR-201	17892	SR-201; MP 1.9 to MP 2.7 Project	Pavement Reconstruction & Drainage Improvements	STP_FLX_ST Surface Transportation Program - Flexible (Any Area) Statewide	\$2,700,000	\$0	<i>New Project</i>	\$2,700,000	2019

This section of SR-201 has experienced a degradation of the pavement section due to water seeping into the subgrade. The project will address the drainage issues along with reconstructing the pavement by milling 7” and replacing with 7” HMA (hot mix asphalt). The available funding comes from the Region Two 2020 Pavement Program.

2019-2024 Transportation Improvement Program (TIP) (Amendment Nine)

Board Modification

New Projects (FY 2020 Recreational Trails Program)

The federal Recreational Trails Program was authorized by Congress as part of the Intermodal Surface Transportation Efficiency Act of 1991. This program has been continued through the current FAST Act transportation authorization. ● These projects are selected and administered through the Utah State Parks and Recreation Division. ● Funds may be used to provide and maintain trails for motorized and nonmotorized recreational uses, including trailside and trailhead facilities, and also provisions to facilitate access for people with disabilities. ● For the 2020 Program, Utah has 38 projects totaling \$1,803,802 in Federal Aid Funds and \$8,340,429 of Sponsor Matching Funds for a total of \$10,144,231 in New Project Value (16 projects totaling \$7,781,496 in the WFRC Area.)

WFRC Area

Sponsor	Concept/ Type of Improvement/ Location	Funding Amount	Total Project Value
Non-Motorized			
Salt Lake Climbers Alliance	Gate Buttress Infrastructure Phase II: Rehabilitation of user created trails and have them built by professional trail crews on the 140 acres of leased land from the LDS Church as well as replacing old fixed anchors with stainless steel hardware. Phase two of this project focuses on stewardship of the recreational resources.	\$50,000	\$206,000
Salt Lake City Corporation	Foothills Trail System Phase I: Trail construction of approximately 6 miles of trail along with corresponding wayfinding signage.	\$100,000	\$250,000
UWC NF & Salt Lake RD	Adams Canyon Trail Work: Construct retaining walls, rock stairs, rebuilding tread, rock removal and causeways on four eroded sections of side-hill along the creek to make it safer and more sustainable. This project will also involve the installation of three new directional signs at intersecting paths along the trail.	\$24,914	\$49,831
Trails Utah	Hardlick Trails: Creating a network of downhill trails and an uphill mountain bike climbing trail totaling 3 miles. These trails will eventually connect to a newly completed 7-mile Eric's trail as well as new sections of the Bonneville Shoreline trail.	\$30,000	\$64,000
Salt Lake County Parks & Recreation	Parleys Trail - 900 W to Jordan River Trail: Completing the final gap of the Parley's Trail from 900 West to the Jordan River Trail by installing a half mile, 10' wide concrete paved pedestrian/bicycle trail which will include a ramp and bridge. Once completed, this trail will link to a larger network of regional trails connecting users to Utah and Davis County.	\$100,000	\$5,210,789

Salt Lake – SR-201; MP 1.9 to MP 2.7 Pavement Reconstruction & Drainage Improvements

Additional funding is available from Region Two's 2020 Pavement Program

New Funding
\$ 2,700,000

Total Project Cost
Estimate \$ 2,700,000

**New Project
improvements
include . . .**

-- Due to poor pavement conditions, the project will reconstruct existing pavement and address the drainage issues along the facility

Recreational Trails Program



Recreational Trails Program (RTP)



- Administered by Utah State Parks
- Motorized and non-motorized
- May be combined use
- Revenue from federal motor fuel tax;
- apportioned to each state
- Utah annually receives about \$1.5 M



RTP Funding Amounts

2020 - \$1,803,802, 38 projects

Totaling \$10,144,231 with Match

16 Projects totaling \$7,781,496

In the WFRC Area



The background of the entire image is a close-up, high-contrast photograph of flames. The fire is bright orange and yellow, with dark, swirling patterns of smoke and ash. The flames are intense and appear to be rising from a source, creating a sense of heat and urgency.

410

Action on the 2020-2025 Transportation Improvement Program & the Corresponding Air Quality Conformity Finding

20125

TIP 20-25

Transportation Improvement Program is . . .

1. Six Year Program of Highway, Transit and Active Transportation Projects
 - 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

TIP 20-25

Transportation Improvement Program will . . .

1. Implement the Long Range Plans
 - Highway/ Transit & Active Transportation 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

TIP 20-25

Transportation Improvement Program Contains

- Lists of Projects
- Including;
 - New Construction
 - Rehab & Maintenance
 - Safety/ ITS
 - Transit, O & M
 - Pedestrian & Bike

New Construction

West Davis Corridor



Including Sidewalks, Trails, Bike Facilities, Roadway and Traffic Adaptions

Rehab and Maintenance

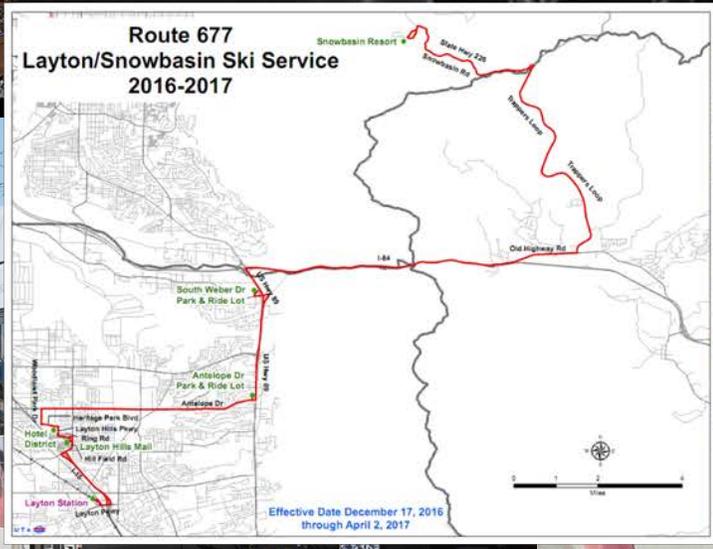
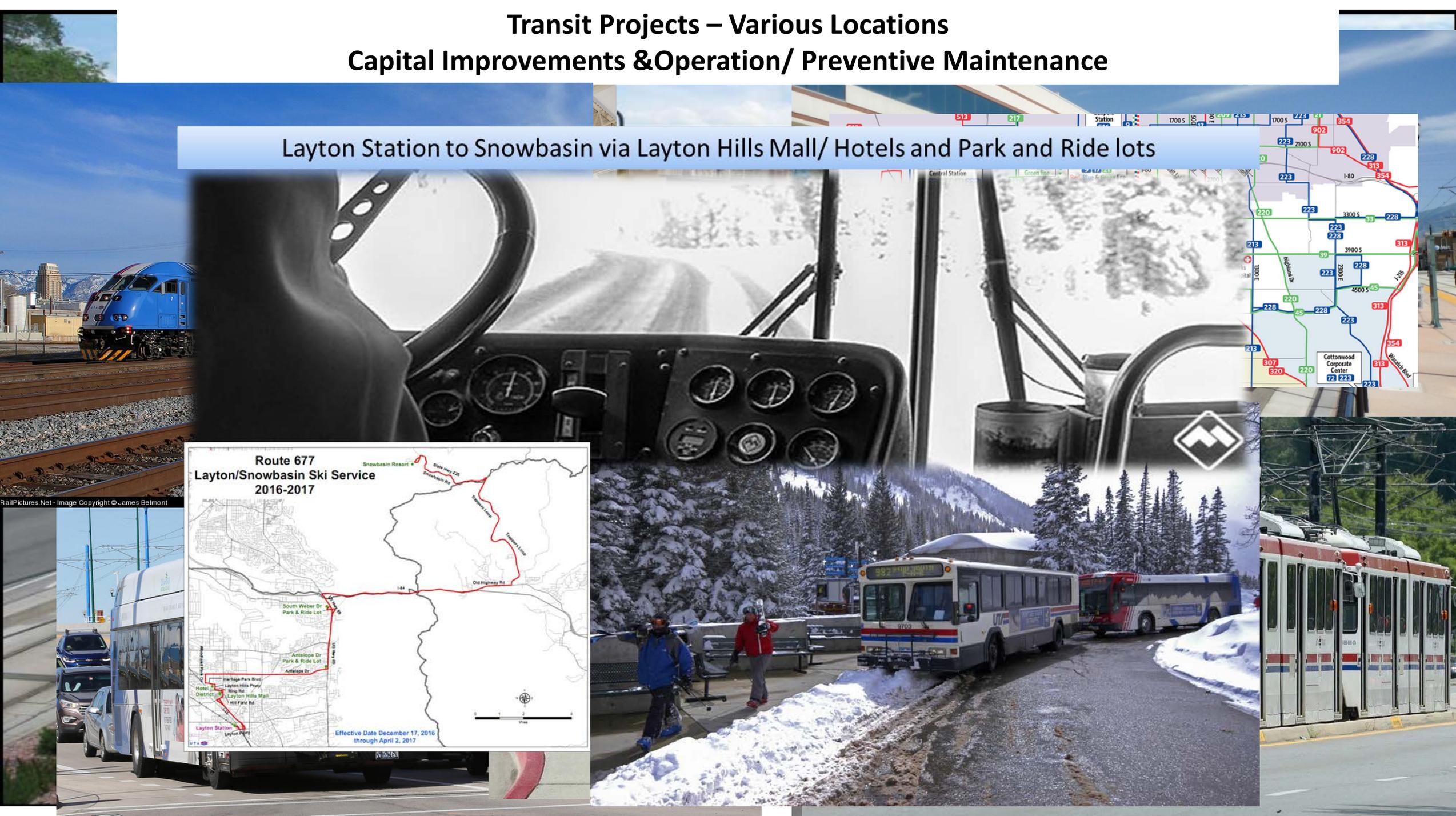
Roadway Signage and Markings



Transit Projects – Various Locations

Capital Improvements & Operation/ Preventive Maintenance

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



Pedestrian and Bicycle Projects



TIP **20-25**

Projects in the TIP:

- **Represent \$ Millions**
- **Thousands of Jobs**
- **Economic Growth & Development**
- **Mobility/ Access**
- **Preservation of Life**
- **And Promote the Quality Of Life**

TIP **20-25**

Federal Law Requires:

- **Financially Constrained**
- **Conform To Air Quality**
- **Reviewed By the Public**
- **Approved by Regional Council**

2019

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Air Quality Memorandum

REPORT NO. 39a – DRAFT

DATE May 24, 2019

SUBJECT CONFORMITY ANALYSIS FOR THE WFRC 2020-2025 TRANSPORTATION IMPROVEMENT PROGRAM.

ABSTRACT The Fixing America's Surface Transportation Act (FAST Act) and the Clean Air Act Amendments (CAAA) require that all regionally significant highway and transit projects in air quality non-attainment and maintenance areas be derived from a "conforming" Regional Transportation Plan and Transportation Improvement Program. A conforming Plan or Program is one that has been analyzed for emissions of controlled air pollutants and found to be within the emission limits established in the State Implementation Plan (SIP) or within guidelines established by the Environmental Protection Agency (EPA) until such time that a SIP is approved. This conformity analysis is made by the Wasatch Front Regional Council (WFRC), as the Metropolitan Planning Organization for the region, and submitted to the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) for their concurrence. This conformity analysis is being prepared according to the transportation conformity rulemakings promulgated by the Environmental Protection Agency (EPA) as of March 2010 and according to FHWA guidelines found in the FAST Act legislation.

Section 93.122(g)(1) of the Transportation Conformity Rule (40 CFR part 93) states that a new TIP may be demonstrated to conform "... without new regional emissions analysis if the previous regional emissions analysis also applies to the ... TIP." Section 93.122 includes the following four conditions. First, the TIP must include all projects that must be started within the TIP time frame in order to achieve the transportation network envisioned in the plan. Second, all regionally significant projects in the TIP must be included in the regional emissions analysis. Third, the design concept and scope for TIP projects must not have changed significantly from the plan. And fourth, the previous regional emissions analysis is consistent with all conformity requirements. As discussed below, the WFRC 2020-2025 TIP meets the conditions of CFR 93.122(g)(1) and therefore conforms to the State Implementation Plan and the EPA guidelines for interim conformity for all applicable non-attainment and maintenance areas and pollutants. Therefore, all the transportation projects in Weber, Davis, and Salt Lake Counties included in the 2020-2025 TIP are found to conform.

Wasatch Front Regional Council

41 North Rio Grande Street, Suite 103
Salt Lake City, Utah 84101



AL COUNCIL

Find address or place

Filter list by map



Project Name	Count
200 S Multimodal Improvements, ...	0
200 S Multimodal Improvements, ...	1
Foothill/I-80/I-215 Interchange Are...	0
I-15; I-84 to SR-134	3
I-15; I-84 to SR-134	1
I-15; Layton Interchanges Public I...	0
I-15; Layton Interchanges Public I...	0
I-15, MT. DELLE TO LAMBS CANY...	3
I-15; Structure Replacement (MP ...	1
I-15; Structure Replacement (MP ...	2
I-80; Structure Replacement (MP ...	1
I-84; Hansel Valley to Blue Creek	0
Overhead Signs, I-80 & I-215 Repl...	0
SR-105 (Parrish Lane) & 1250 Wes...	2

Draft 2020-2025 Transportation Improvement Program Public Comment Interactive Map

LEAVE A PROJECT COMMENT - To leave a project-specific comment, please click on a project line within the map or a project name within the project list (on the right). Next, click on the heart icon to "like" a project or the talk bubble icon to leave a comment. After providing the requested information, click the "Submit" button.

FILTER PROJECTS - Please note that when you zoom in and out of the map, the project list will filter accordingly. Additionally, if there are duplicative projects listed, it is typically indicative of multiple funding sources. Please click on any of the options to provide your project-specific comment.

To provide a general comment that is not project-specific, please access the general comment form.

www.wfrc.org

2019

January						
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September						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October						
Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

The TIP provides a thoughtful and balanced approach that seeks to implement critical projects, including those identified in the WFRC Regional Transportation Plan. These projects help our local communities and our region meet the challenge of Utah's rapidly growing population while simultaneously promoting a strong economy, good air quality, and high quality of life.

TIP Public Comments and Responses

Comment	Response
Several requests were made to increase or improve specific transit service or operations.	WFRC will work with UTA and local governments to ensure these requests are considered as transit improvements are evaluated. The ability to enhance transit service is contingent on the availability of funding.
Suggestions were given about the design of a few specific highway and transit projects.	These suggestions will be considered during the project development process as WFRC meets with project sponsors – local governments, UDOT, and/ or UTA.
There were several requests that bike lanes or paths be included in funded projects or as new, independent projects.	Progress is occurring in addressing the need for safe and effective transportation for cyclists in the region. WFRC will continue to work with local governments, transportation agencies, and other stakeholders to identify potential funding and facilitate solutions. This can include both existing and new projects.
A few commenters asked that more funding be spent on bicycle and transit improvements instead of on road widening or new construction.	The 2020-2025 TIP provides projects that include transportation investments across all modes of travel, including transit, biking, walking, and driving. These investments will help address concerns regarding air quality, mobility, and quality of life. The ability to make improvements is contingent on the availability of funding. A significant portion of the TIP funding is restricted for particular transportation modes.
Comments were made in favor of several specific highway and transit projects.	Thank you.
Double tracking of FrontRunner was requested by a few individuals.	WFRC understands the need to double track FrontRunner. This project is included in the adopted 2019-2050 Regional Transportation Plan, but funding has not yet been identified.

Working Group Recommendations

- Increase outreach and cultivation of effective projects each fall.
- Include information on project benefits in addition to air quality when recommendations are presented to the TACs and Trans Com each spring.
- Work with the TACs to develop consistent lengths of effectiveness for the various project types to include in the technical evaluation.



FUNDING PROGRAMS

FISCAL YEAR 2020



WASATCH FRONT REGIONAL COUNCIL

WFRC Funding Programs

- Wasatch Front Economic Development District
- Community Development Block Grant Program
- Transportation & Land Use Connection Program
- Surface Transportation Program
- Congestion Mitigation Air Quality
- Transportation Alternatives Program

Mission: Support economic development plans, promote long-term economic competitiveness, and attract federal monies in order to implement local plans.

Expand Employment



Planning Request
\$100,000

Develop strategies to expand employment in Utah's advanced composites manufacturing industry and supply chain

Encourage Entrepreneurship



Construction Request
\$2,000,000

Grow creative industries and connect people and organization to space, technology, and opportunity

Workforce Training



Workforce Training Request
\$614,000

Provide workforce training to disadvantaged youth in the green construction industry

Mission: Support economic development plans, promote long-term economic competitiveness, and attract federal monies in order to implement local plans.

U.S. Economic Development Administration Funding Programs

PUBLIC WORKS & ECONOMIC ADJUSTMENT ASSISTANCE

\$100,000 - \$3,000,000

- Job Creation
- Job Retention
- Construction
- Global Competitiveness
- Leverage Private Capital
- Coal Impacted Communities
- Build Regional Capacity

REGIONAL INNOVATION STRATEGIES

\$0 – \$500,000

- Innovation Centers
- Entrepreneurial Centers
- Cluster-Based Startups

LOCAL TECHNICAL ASSISTANCE

\$0 – \$300,000

- Economic Development Plans
- Feasibility Studies
- Impact Analyses

Community Development Block Grant (CDBG) Small Cities Program



Program Purpose

The purpose of the CDBG Program is to assist in developing viable urban communities by providing decent housing and a suitable living environment, principally for persons of low and moderate income.

Program Eligibility

Morgan, Tooele, and Weber Counties

Community Development Block Grant (CDBG) Program

ELIGIBLE PROJECT TYPES

- Planning
- Building Rehabilitation
- Removal of ADA Barriers
- Public Safety Equipment
- Property Acquisition for Public Purposes
- Promotion of Neighborhood Centers
- Create/Rehab. Recreation Facilities
- Demolish Buildings to Reduce Slum/Blight
- Install/Modify Public Works Infrastructure
- Construct/Reconstruct Streets, Water, Sewer Facilities
- Housing Lot Acquisition for Multiple-Family Housing Construction



Community Development Block Grant (CDBG) Program

HOUSING and COMMUNITY DEVELOPMENT

Total Funding for FY 2019
\$870,000

ADA Upgrades
Morgan County \$210,000



Curb, Gutter, Sidewalk
Marriott-Slaterville \$323,152



Culinary Water Project
Uintah City \$36,848






TRANSPORTATION
AND
LAND USE CONNECTION


udot.utah.gov


SALT LAKE
COUNTY
REGIONAL DEVELOPMENT


UTA


WASATCH FRONT REGIONAL COUNCIL

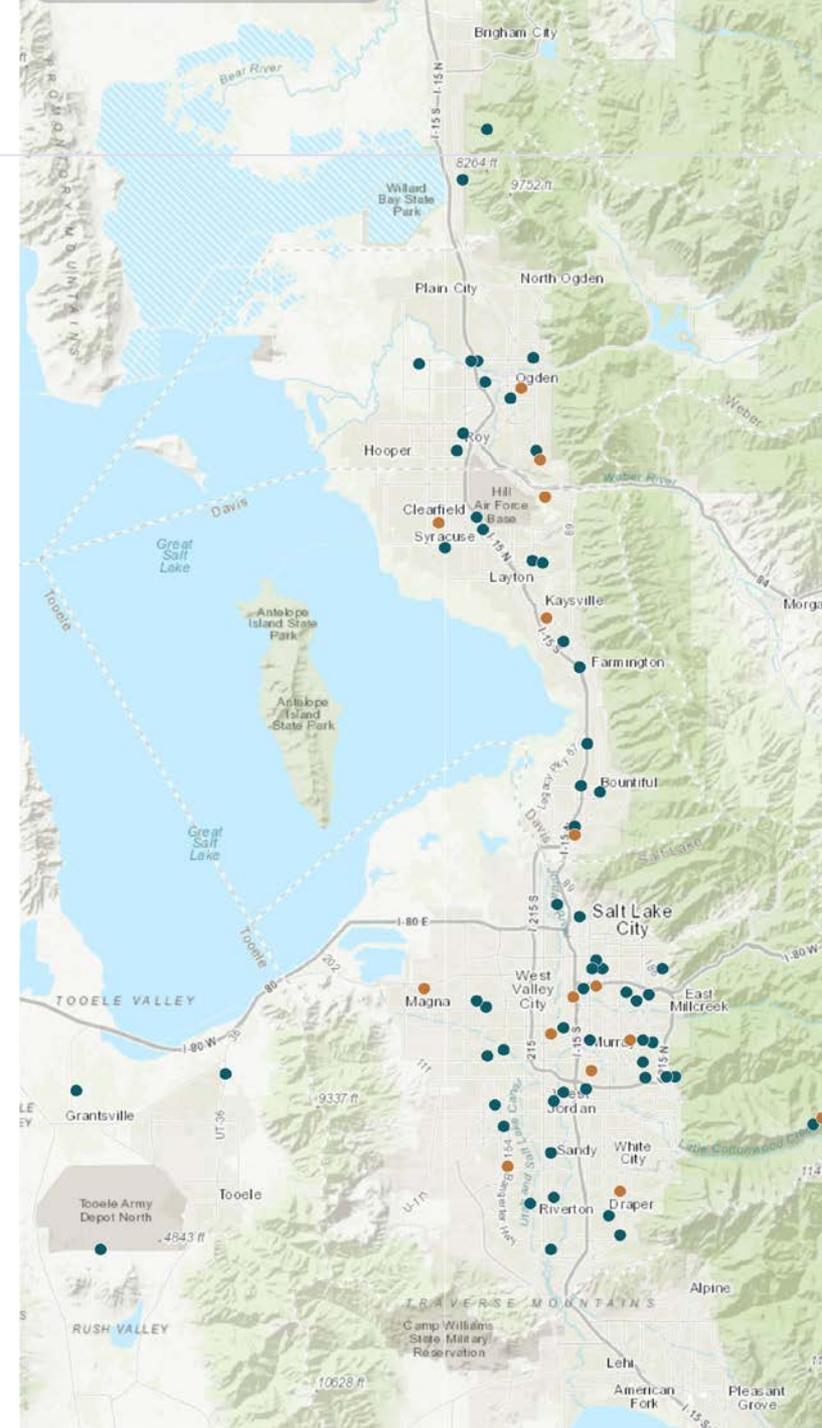
TLC PROGRAM GOALS

Maximize the **value of investment** in public infrastructure

Enhance **access to opportunity**

Increase **travel options to optimize mobility**

Create **communities with opportunities to live, work, and play**



TLC PROJECTS



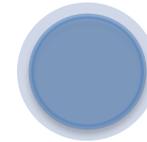
PLANS

Visions
Community Engagement
Downtown Master Plans
Active Transportation



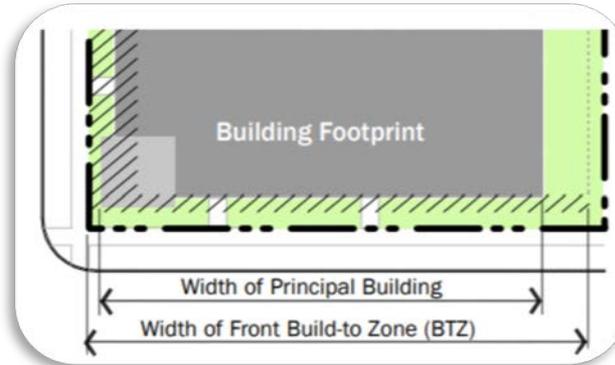
POLICIES

Zoning Ordinances
Design Standards
Transportation Priorities



PRODUCTS

Financing Options
Implementation Strategies
RDA Support



STUDIES AND ANALYSES (Parking, Market, etc.)



**SURFACE TRANSPORTATION
PROGRAM (STP)**



**CONGESTION MITIGATION/
AIR QUALITY (CMAQ)**



**TRANSPORTATION
ALTERNATIVES PROGRAM (TAP)**

**FEDERAL
FUNDING
PROGRAMS**



SURFACE TRANSPORTATION PROGRAM (STP)

Eligible STP Project Types

- Street widening or new construction
- Improve or reconstruct existing streets
- Bridge replacement
- Projects that reduce traffic demand
- Intersection improvements

5600 West – 6200 South to 7000 South
Reconstruct & Widen





CONGESTION MITIGATION/ AIR QUALITY (CMAQ)

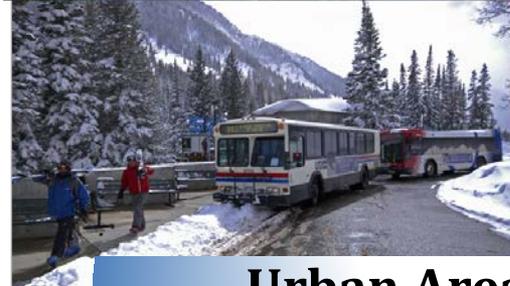
Eligible CMAQ Project Types

- Projects that improve Air Quality
- Construct or purchase public transportation facilities and equipment
- Commuter bicycle & pedestrian facilities
- Intelligent Transportation Systems (ITS)
- Projects that reduce traffic demand
- Intersection improvements



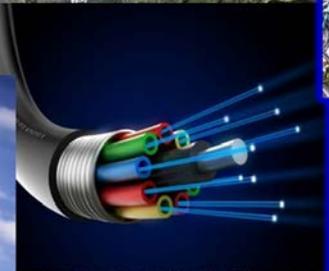
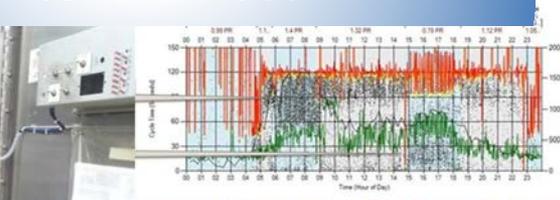
Construct/ Purchase Public Transportation Facilities and Equipment

Intelligent Transportation Systems (ITS)



Urban Area - Signal Interconnect

Commuter Bicycle and Pedestrian Facilities



SYNCHRONIZATION BENEFITS

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





TRANSPORTATION ALTERNATIVES PROGRAM (TAP)

Eligible TAP Project Types

- Construction, planning, and design
- Pedestrian, bicyclists, & other non-motorized forms of transportation
- Improvements could include:
 - Sidewalks
 - Bicycle infrastructure
 - Traffic calming techniques
 - Lighting and safety-related infrastructure for non-drivers
- Safe Routes to School projects



D&RGW Rail/ Trail



WFRC Funding Program Deadlines

We're Here



**August
2019**

**August
2019**

**September
2019**

**December
2019**

**Spring
2020**

For More Information

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TIGER First/Last Mile Project

August 14, 2019



TIGER Grant

- Transportation Investment Generating Economic Recovery (TIGER)
- Project Goal: Reduce and remove barriers to transit access and transportation corridors in order to connect communities, employment centers, educational institutes, public services, and other community resources. This project will improve safety for pedestrian and cyclists, with an emphasis on developing mobility for transportation disadvantaged communities and the creation of ladders of opportunity.



TIGER Grant Award

- \$20 Million in TIGER funds
- \$11.8 Million in matching funds
 - Other State Funds (MAG, WFRC, UDOT)
 - Local Funds (Cities, Counties, UPRR)
 - UTA Local & Prop 1
- Total TIGER Projects \$31.8 Million
- 161 Projects
- First/Last Mile Program Commitment \$75.7 Million
 - Non-TIGER Projects \$43.9 Million
 - Under control of other agencies, outside of UTA



Summary of TIGER Projects

Project Type	# of Projects in Grant
ADA Ramps	60
Bike Lanes	13
Bike Parking-Lockers & Racks	24
Bike Repair Stands	21
Bike Shares	2
Bus Stop Improvements	4
Crosswalk Improvements	4
Pedestrian Bridges	3
Railroad Crossings	1
Sidewalks	4
Multi Use Paths	3
Wayfinding	22
TOTAL	161



TIGER Project Map

UTA First Mile Last Mile



Improving Community Access to Regional Opportunities

City list:

- [American Fork](#)
- [Bountiful](#)
- [Clearfield](#)
- [Draper](#)
- [Farmington](#)
- [Herriman](#)
- [Lehi](#)
- [Midvale](#)
- [Millcreek](#)
- [Murray](#)



FIRST MILE LAST MILE

Home



Work



UTAH TRANSIT AUTHORITY

<https://wspgeo.maps.arcgis.com/apps/MapJournal/index.html?appid=170f3647c40c4196bcf418e024680817>



TIGER Project Progress

- 70 projects are complete to date
 - ADA Ramps: 60 projects
 - Bountiful
 - Farmington
 - Bike Lanes: 7 projects
 - South Jordan
 - Herriman
 - Draper
 - Sidewalk: 2 Projects
 - Farmington
 - Crosswalks: 1 Project
 - Farmington
- 2 projects nearing completion
 - Bike Lane-Ogden
 - MUP-SSL Parley's Trail



Ogden Bike Lanes



Parley's Trail



TIGER Project Progress-In Construction

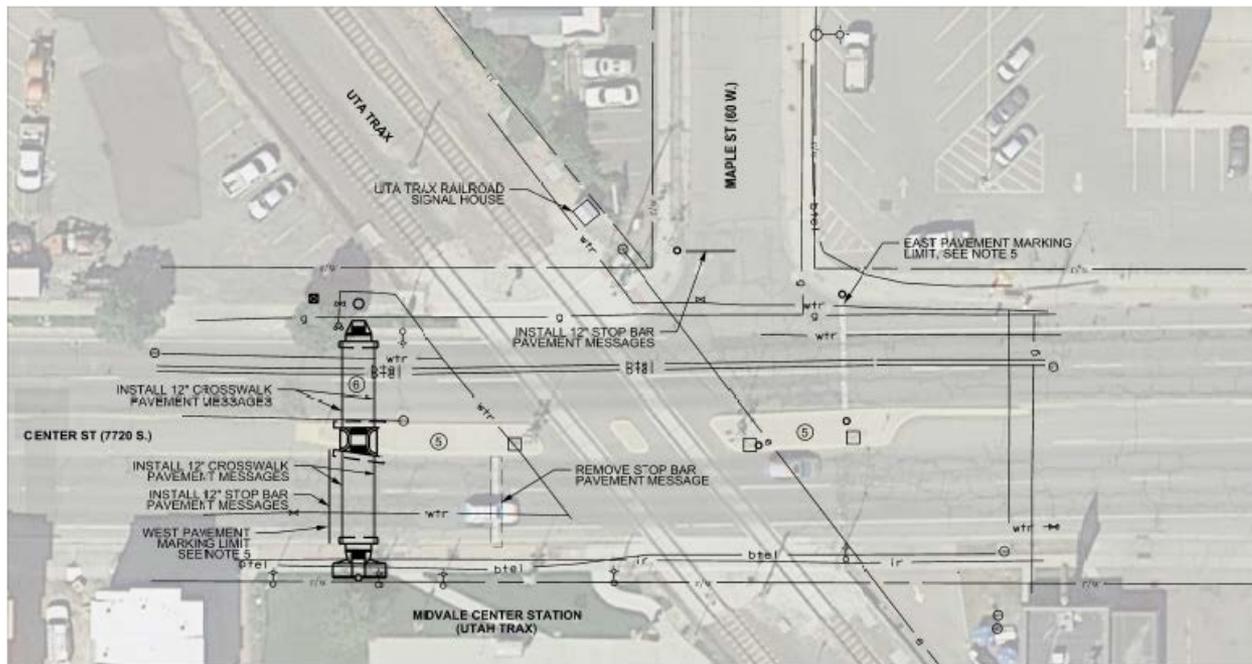
- Summit County Bike Shares
 - 11 New bike share stations
 - Construction started in May 2019
 - All new concrete pads have been poured
 - Equipment delivery and installation scheduled for August 2019

UTAH TRANSIT AUTHORITY



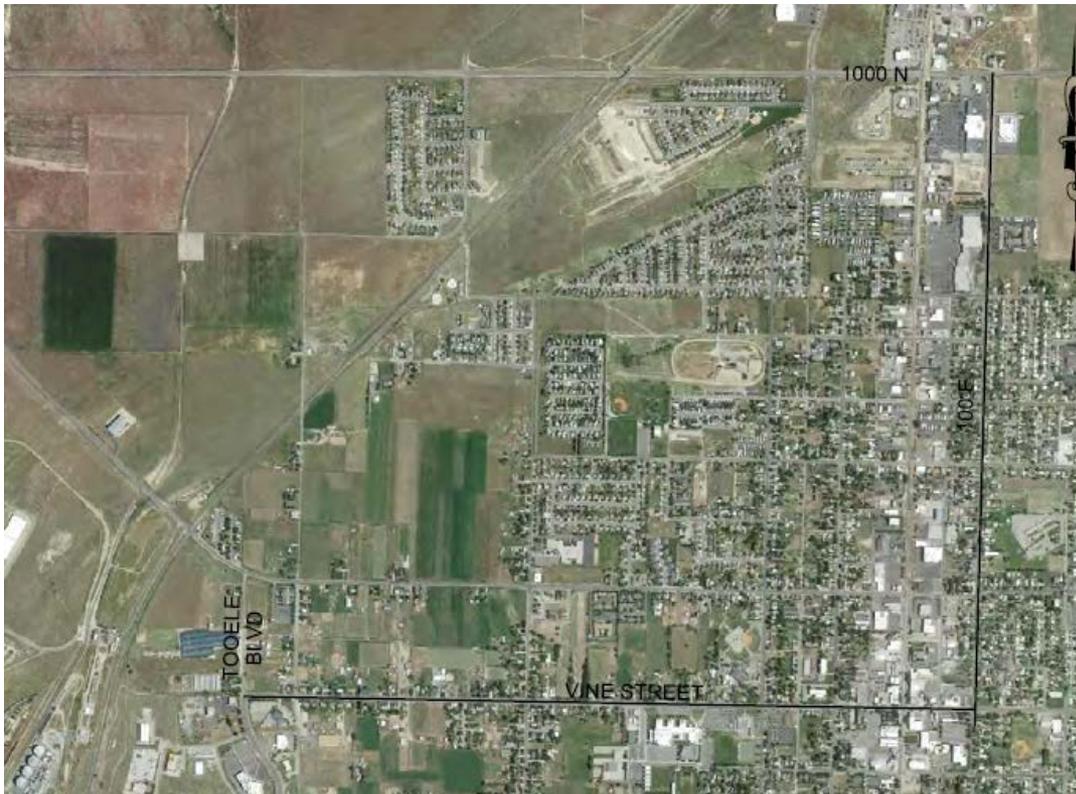
Midvale Crosswalk-Ready for Construction

- New signalized crosswalk across Center St (7720 South), just West of UTA Trax Blue Line adjacent to the Midvale Station.
- Due to the proximity of the signalized crosswalk to the tracks, modifications to the UTA Trax Signal System are also part of the project.
- Construction start anticipated mid-September 2019



Tooele Bike Lanes-Ready for Construction

- Signage and Striping for approximately 3 miles of new bike lanes along 100 E and Vine St in Tooele.
- Construction start anticipated September 2019



GREENbike-Ready for Construction

- Install 7 new GREENbike Stations:
 - Central Pointe, Salt Lake County Offices, 900 S/900 E, 900 S/200 W (Central 9th), 800 S/400 W (Artspace Solar Gardens), Proper Burger, 50 s/500 W (Gateway)
- Construction start anticipated mid-August 2019



Farmington Crosswalk-Ready for Construction

- Install hawk signal at crosswalk across S 200 West at Farmington Junior High School.

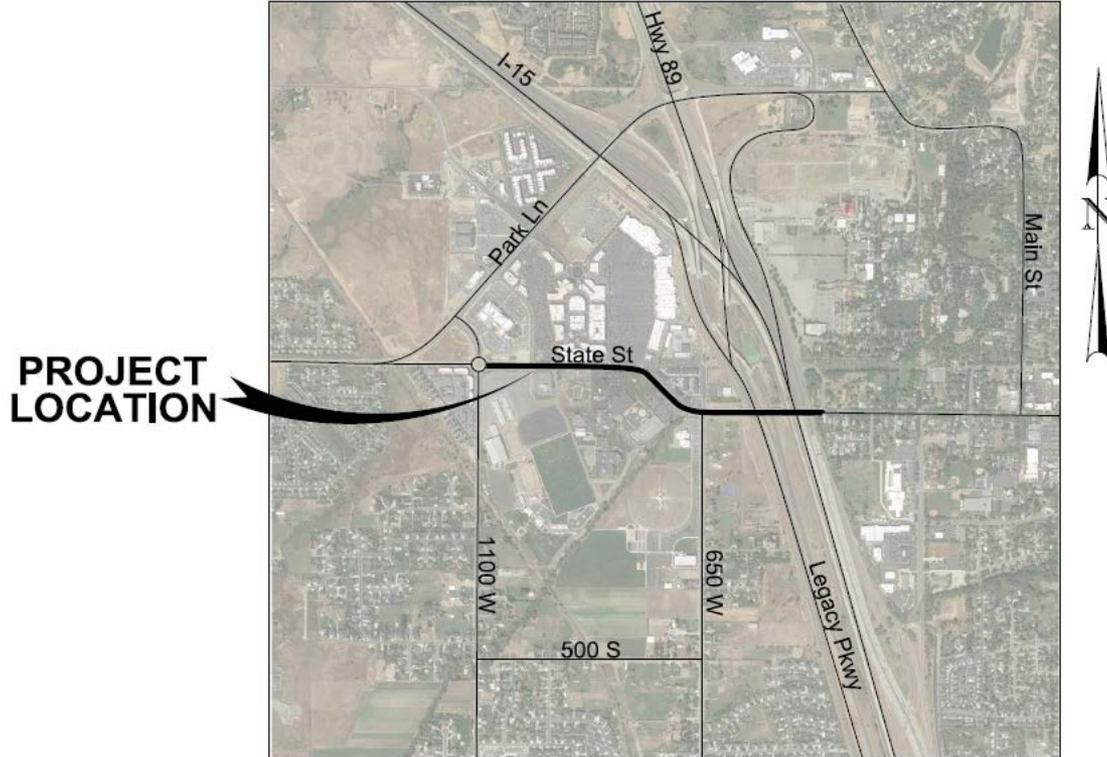


UTAH TRANSIT AUTHORITY



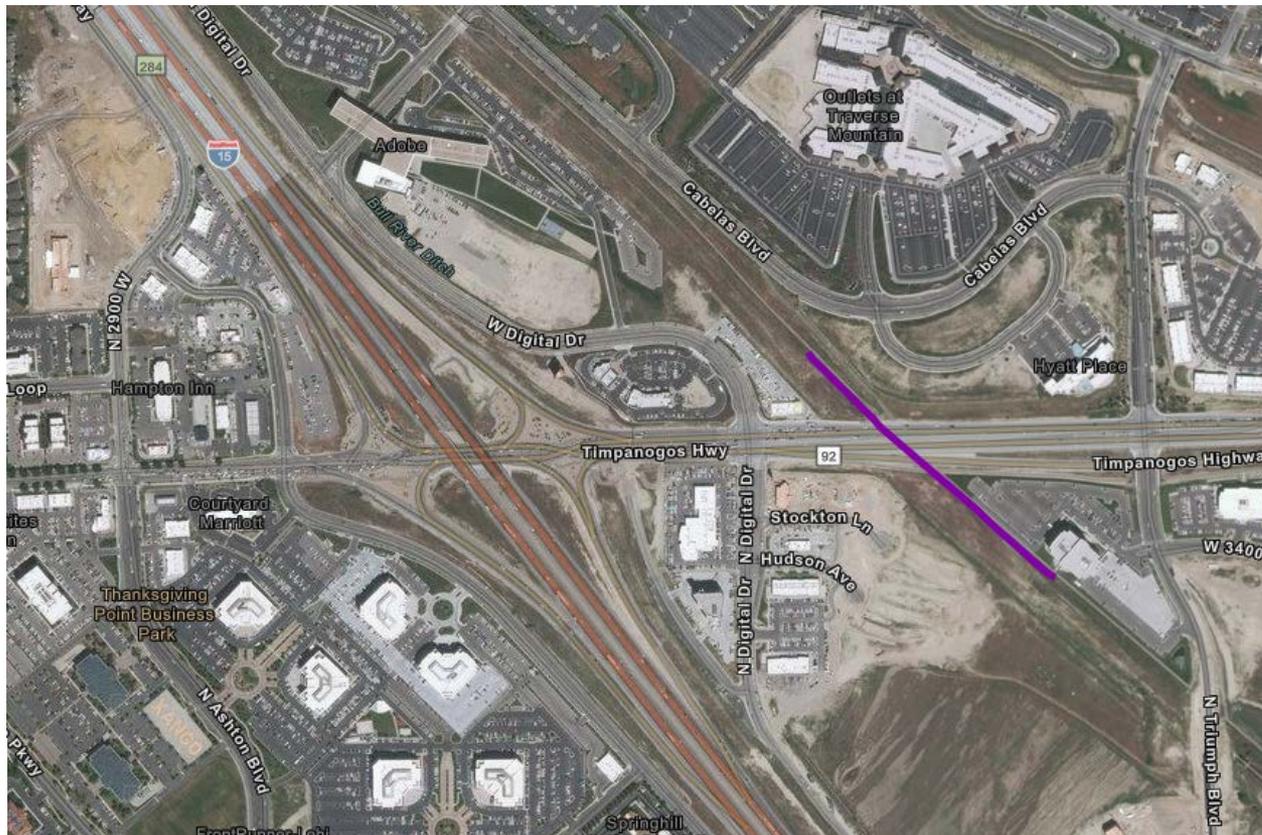
Farmington Bike Lanes-Ready for Construction

- Signage and Striping for new bike lanes along Clark Lane/State Street in Farmington. Includes dedicated bike lanes and shared lanes.



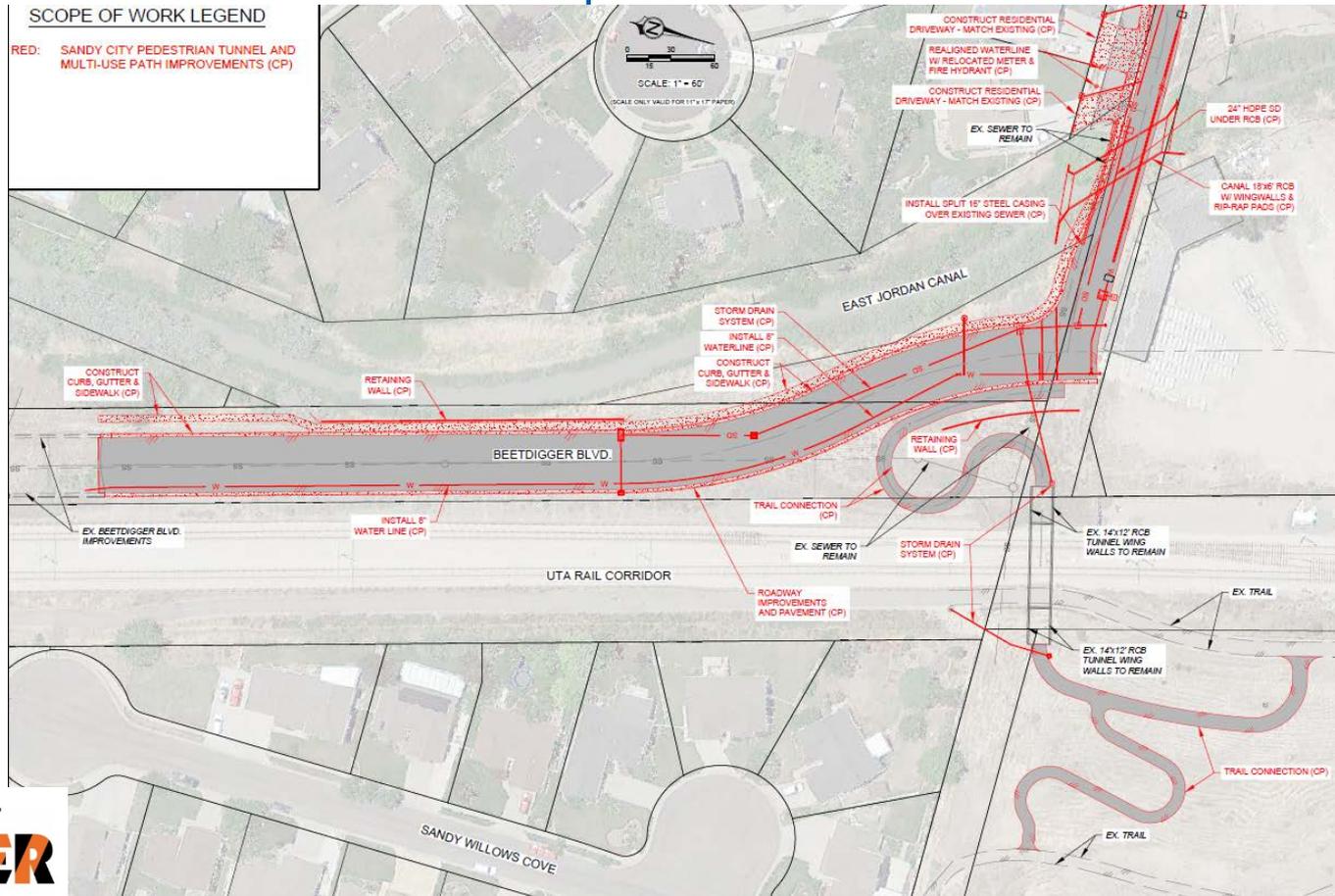
Lehi Overhead Pedestrian Bridge-Design

- New pedestrian bridge over Timpanogos Hwy (SR-92) to provide connection between the north and south legs of the Lehi Rail Trail.
- Construction start anticipated Spring 2020



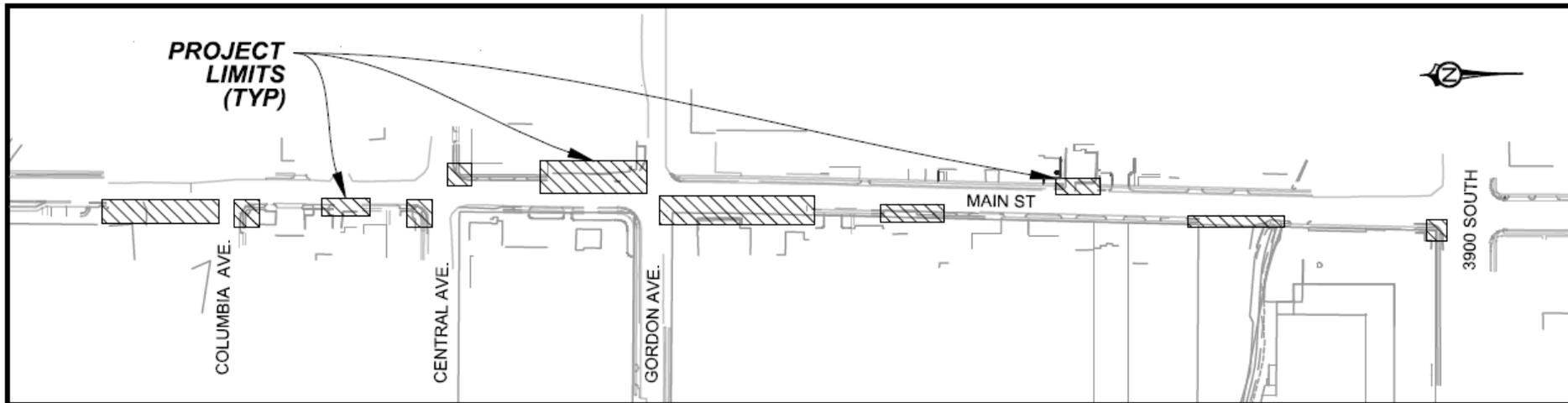
Sandy Multi-Use Path-Design

- Provides East-West connection between 10200 South to Existing Rail Trail and Dimple Dell via and existing buried reinforced concrete box structure under the tracks.
- Construction start anticipated mid-October 2019



Millcreek Sidewalk Improvements-Design

- Install missing sidewalk sections along Main St. between 3900 South and Big Cottonwood Creek, includes curb and gutter and ADA ramps.



PROJECT MAP
(N.T.S.)

Questions?

