



Transportation Improvement Program - <u>Today . . .</u>

- **4a**. Action on the Board Modification
 - To the 2021-2026 TIP
- **4b**. Action to Recommend the Approval of the 2022-2027 Transportation Improvement Program (TIP) & Corresponding Air Quality Conformity Finding

4a - 2021-2026 TIP Board Modification

Trans Com August 19, 2021

Ben Wuthrich Wasatch Front Regional Council



2021-2026 Transportation Improvement Program (TIP) (Amendment Nine)

Board Modification

Additional Funding

Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concent/ Type of Improvement Funding Source		Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	Murray	Vine Street	14923	Vine Street; 1300 East to Van Winkle Expressway	Reconstruction with minor widening; also includes improvements to drainage, curb, gutter and sidewalk	STP_URB_SL (Surface Transportation Program - Salt Lake/ West Valley Urban Area) LOCAL_GOVT (Local Government Funds)	\$6,209,850	\$5,176,800	New Funding	\$650,000 \$383,050	2021

The purpose of this project is to improve traffic flow, reduce congestion, and improve safety. During the past year, the City has made great progress, completing the design work, aquiring all 29 properties needed for construction, relocating overhead power lines and coordinating the remaining utility relocations. However, during the Plans, Specifications, and Estimates (PS&E) and constructability review, it was determined that the project was an estimated \$1,033,050 over budget. There have been no major changes encountered but a culmination of several factors including market changes and escalating material, labor, and construction costs. Murray City is requesting an additional \$650,000 of Urban Surface Transportation Program (STP) funds and will provide the balance of the shortfall and any additional funds necessary with other City resources. Funding is available via other project cost savings and cash flow management within the Salt Lake/ West Valley STP program.

Salt Lake	Cottonwood	Bengal	12000	Bengal Blvd & 2300 East Round-	Intersection Improvements by Constructing	CMAQ_WFRC (Congestion Mitigation/ Air Quality (CMAQ) - Salt Lake/ West Valley Urban Area)		\$2,847,796	New	\$862,492	2021
Sait Lake	Heights	Boulevard	12000	About	a Round-about	LOCAL_GOVT (Local Government Funds)	\$3,772,918	\$2,847,790	Funding	\$62,631	2021

The scope of the Bengal Blvd & 2300 East Round-About project is to construct a new five-leg round-about accessing Bengal Blvd, 2300 E, 2325 E, and Brighton High School. This project was advertised in June with bids coming in 33% higher than the Engineer's Estimate based mostly on three factors: Mobilization, Traffic Control/MOT, Material Escalation. With the intent to re-submit the project for advertising later this fall and construction occurring in the summer of 2022, Cottonwood Heights is requesting an additional \$862,492 of Congestion Mitigation/Air Quality (CMAQ) funds, and they will provide the matching funds and all other resources needed to complete the project. Funding is available via other project cost savings and cash flow management within the Salt Lake/ West Valley CMAQ program.

Salt Lake	Kearns Metro Township &		4700 South; 4000 West to 5600	Reconstruct with minor widening	STP_URB_SL (Surface Transportation Program - Salt Lake/ West Valley Urban Area)	\$23,675,426	\$15,204,377			2021	
Sait Lake	West Valley City	4700 South	11083	West	Sidewalk	LOCAL_GOVT (Local Government Funds)	\$23,073,420	\$941,049	New Funding	\$7,530,000	2021

The 4700 South; 4000 West to 5600 West project will: Reconstruct the existing roadway, Widen the roadway between 4000 W and 4800 W to provide two lanes in each direction with a center turn lane, Add bike lanes in both directions of travel, Add sidewalk in gap areas, and Replace and extend the Utah & Salt Lake Canal structure. To keep the project moving forward, Kearns Metro Township and West Valley City would like to make the following three requests: 1 - Reduce the western limit of the project from 5600 West to 5450 West to address the railroad and roadway improvements in a separate project using Local Government funds as soon as the necessary agreements are in place with UPRR. 2 - Remove the Utah and Salt Lake Canal work from this project to advertise an early package to have the canal work begin this fall, and 3 - Add an additional \$7,530,000 of Local Government funds to the project to address increases in material and labor costs and ROW price escalations.



Cottonwood Heights - Bengal & 2300 East Round-a-bout



Salt Lake County/ West Valley/ Kearns – 4700 South – Recon. w/ Minor Widen Project Type – Reconstruction



2021-2026 Transportation Improvement Program (TIP) (Amendment Nine)

Board Modification

New Project

Weber County

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-39	19667	Roundabout on SR-39 in Huntsville	Intersection Improvements by Constructing a Round-about	HSIP (Highway Safety Improvement Program)	\$3,120,000	\$0	New Project	\$3,120,000	2021

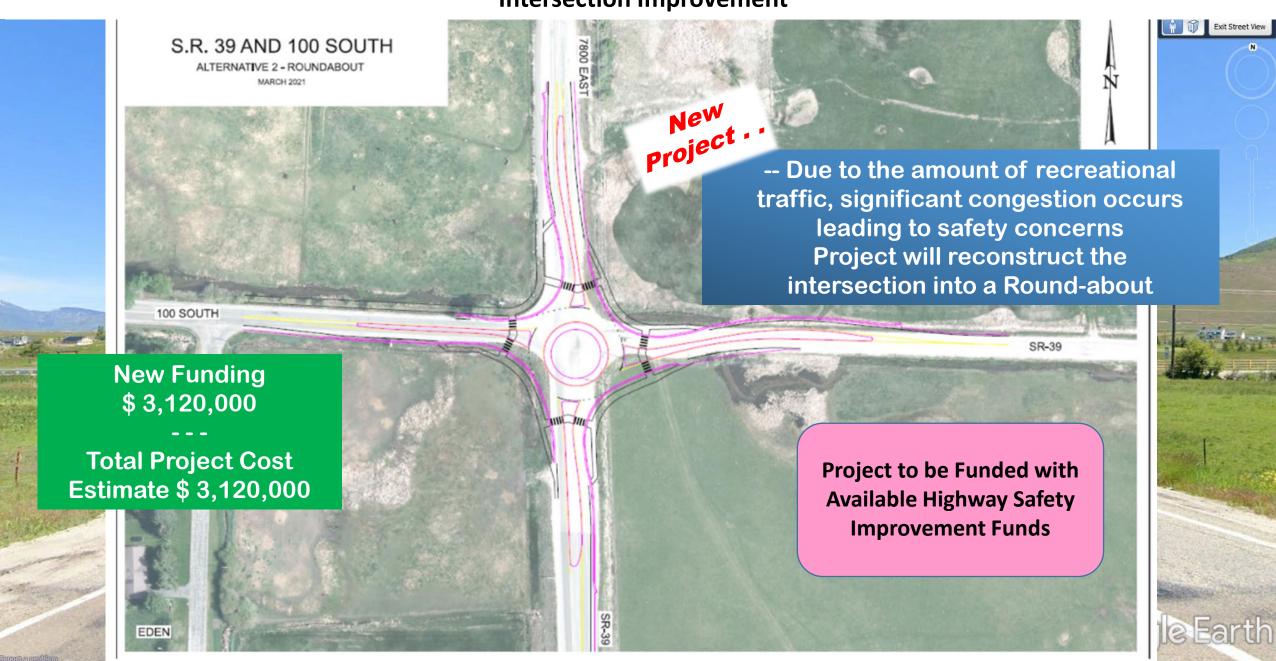
SR-39 is a high traffic area for recreational users. This intersection provides connections to Pineview Reservoir via 100 South in Huntsville, Causey Reservoir and other recreational areas via SR-39 to the east, and the north part of Ogden Valley on 7800 East. Due to the amount of recreational traffic, significant congestion occurs at this intersection during holidays and weekends, which can lead to safety concerns. In conjunction with Weber County, UDOT performed an intersection analysis and determined that a Roundabout would be the best option to improve safety and reduce congestion at this intersection. UDOT Region One requests that the SR-39 intersection project be added to the 2021-2026 Statewide Transportation Improvement Program (STIP) to be funded with Highway Safety Funds.

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 to facilitate access for people with disabilities. • For the 2022 Program, Utah has 30 projects totaling \$2,234,338 in Federal Aid Funds and \$9,644,285 of Sponsor Matching Funds for a total of \$11,878,623 in New Project Value (12 projects totaling \$4,619,758 in the WFRC Area.)

WFRC Area

Sponsor	Concept/ Type of Improvement/ Location	Funding Amount	Total Project Value		
Non-Motorized					
Uinta-Wasatch-Cache National Forest	2022 NON-MOTORIZED TRAIL RESTORATION PROJECT: Funding will be utilized to complete heavy maintenance on 75 miles of high-priority trails located across the UWC and includes replacing four minor bridges, improved trail corridors for winter grooming for cross country skiing, and improved signage in the Pleasant Grove, Ogden, and Logan Ranger Districts. Heavy maintenance includes heavy tread, brushing, hazardous tree removal, downed tree clearing, drainage work, closures of switchback shortcuts, and retaining walls where needed.	\$100,000	\$424,623		
Wasatch Trails Foundation	BONANZA FLAT TO UPPER WOW TRAIL CONNECTION: The sponsor will use RTP funding to create a soft surface single-track trail connection from the Bonanza Loop Trail to the Upper WOW Trail.	\$59,000	\$139,401		
The Utah Nordic Alliance (TUNA)	TUNA MOUNTAIN DELL/DR 65 NORDIC SKI GROOMING EQUIPMENT: Funding will go towards leasing a Bobcat Toolcat small tractor to groom nordic ski trails.	\$9,750	\$19,500		
Tooele City	TOOELE CITY - ENGLAND ACRES PAVED RECREATION TRAIL (Formally requested \$100,000.00): The project sponsor intends to create a 10 to 12-foot-wide paved recreational trail through a one-mile section of Tooele City. RTP funding will go towards paving the one-mile section.				

Weber County – Huntsville – 7800 East (SR-39) & 100 South (Main St) Round-about Intersection Improvement



2021-2026 Transportation Improvement Program (TIP) (Amendment Nine)

Board Modification

New Project

Weber County

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-39	19667	Roundabout on SR-39 in Huntsville	Intersection Improvements by Constructing a Round-about	HSIP (Highway Safety Improvement Program)	\$3,120,000	\$0	New Project	\$3,120,000	2021

SR-39 is a high traffic area for recreational users. This intersection provides connections to Pineview Reservoir via 100 South in Huntsville, Causey Reservoir and other recreational areas via SR-39 to the east, and the north part of Ogden Valley on 7800 East. Due to the amount of recreational traffic, significant congestion occurs at this intersection during holidays and weekends, which can lead to safety concerns. In conjunction with Weber County, UDOT performed an intersection analysis and determined that a Roundabout would be the best option to improve

New Projects (FFY 2022 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 to facilitate access for people with disabilities. • For the 2022 Program, Utah has 30 projects totaling \$2,234,338 in Federal Aid Funds and \$9,644,285 of Sponsor Matching Funds for a total of \$11,878,623 in New Project Value (12 projects totaling \$4,619,758 in the WFRC Area.)

WFRC Area

Sponsor	Concept/ Type of Improvement/ Location	Funding Amount	Total Project Value
Non-Motorized			
Linta Wasatah Caaba National Forest	2022 NON-MOTORIZED TRAIL RESTORATION PROJECT: Funding will be utilized to complete heavy maintenance on 75 miles of high-priority trails located across the UWC and includes replacing four minor bridges, improved trail corridors for winter grooming for cross country skiing, and improved signage in the Pleasant Grove, Ogden, and Logan Ranger Districts. Heavy maintenance includes heavy tread, brushing, hazardous tree removal, downed tree clearing, drainage work, closures of switchback shortcuts, and retaining walls where needed.	\$100,000	\$424,623
Wasatch Trails Foundation	BONANZA FLAT TO UPPER WOW TRAIL CONNECTION: The sponsor will use RTP funding to create a soft surface single-track trail connection from the Bonanza Loop Trail to the Upper WOW Trail.	\$59,000	\$139,401
The Utah Nordic Alliance (TUNA)	TUNA MOUNTAIN DELL/DR 65 NORDIC SKI GROOMING EQUIPMENT: Funding will go towards leasing a Bobcat Toolcat small tractor to groom nordic ski trails.	\$9,750	\$19,500
Tooele City	TOOELE CITY - ENGLAND ACRES PAVED RECREATION TRAIL (Formally requested \$100,000.00): The project sponsor intends to create a 10 to 12-foot-wide paved recreational trail through a one-mile section of Tooele City. RTP funding will go towards paving the one-mile section.	\$60,000	\$810,095

2021-2026 Transportation Improvement Program (TIP) (Amendment Nine) Board Modification

New Projects (FY 2022 Recreational Trails Program) - Continued

\mathbf{w}	$\mathbf{F}\mathbf{R}$	C	A	res

Sponsor	Concept/ Type of Improvement/ Location	Funding Amount	Total Project Value
Non-Motorized			
Layton City Corporation	EAST & WEST TRAIL CONNECTIONS FOR KAY'S CREEK TRAIL HIGHWAY 89 UNDERPASS: Funding will be used to provide the needed infrastructure to connect a 10' wide multi-purpose asphalt alignment to key connections within the city of Layton. * NOTE * These funds will combine with the TAP funds programmed last year by WFRC for the trail construction.	\$75,000	\$709,605
Salt Lake Climbers Alliance (SLCA)	FIXED ANCHOR MAINTENANCE AT ROCK CLIMBING AREAS ACROSS WASATCH: The sponsor is asking for funding to assist with the necessary maintenance of vertical infrastructure necessary for ascension and descension of climbing routes. Project work includes replacing antiquated fixed anchors and replacing them with stainless steel hardware by professional height technicians.	\$45,000	\$126,400
City of North Salt Lake	TOWN CENTER I-15 TRAIL (Formally requested \$100,000.00): Funding will go towards the purchase of property acquisition for a multi-use trail within the town center of North Salt Lake.	\$60,000	\$537,660
Motorized			
Uinta-Wasatch- Cache National Forest	2022 UINTA-WASATCH-CACHE NATIONAL FOREST MOTORIZED PROGRAM GRANT (Formally requested \$100,000.00): Funding will be used to maintain priority-level motorized trails across UWC. This includes single-track and OHV routes on the five zones of the forest. Each zone will complete a mix of general and heavy trail maintenance on 434 miles of trail. The sponsor also intends to complete a trail reroute on the Pleasant Grove Ranger District, continued improvements of trailhead and trail junction signage, and travel management during designated seasons, with in-person interactions.	\$264,000	\$528,200
State of Utah Off-Highway Vehicle Program	UTAH TRAIL HOST/OHV VOLUNTEER SPECIALIST (Formally requested \$60,000.00): The sponsor is asking for additional support for the current Utah Trail Host/OHV Volunteer Specialist position to help increase the amount of sponsored projects, monitor efforts, and outreach opportunities that occur on public land statewide.	\$100,000	\$239,968
State of Utah Off-Highway Vehicle Program	OHV TRAIL CREW (Formally requested \$50,000.00): Funding will assist with the hire of four seasonal employees to work on a statewide OHV trail crew. This crew will assist agencies and partners with trail work. Two of the seasonals will specialize in trail maintenance and construction, and the other two will specialize in the operation of trail cats and other heavy machinery.	\$139,867	\$281,364
State of Utah Off-Highway Vehicle Program	STATEWIDE SNOWMOBILE TRAIL GROOMING, MAINTENANCE, AND SNOW REMOVAL (Formally requested \$210,000.00): The sponsor intends to provide snowmobile grooming, maintenance, trail signage, and trailhead snow removal for 13 snowmobile trail grooming complexes and multiple snowmobile trailheads. The funding will help the sponsor groom over 1,200 miles of snowmobile trails, preseason trail maintenance, sign purchase, and installation. Funding will also help the sponsor replace and/or repair trailblazers, markers, t-posts, and work on clearing trails.	\$275,000	\$564,616
State of Utah Off-Highway Vehicle Program	STATEWIDE SNOWMOBILE GROOMING EQUIPMENT FY22: Funding will be used to maintain seven previously purchased RTP grooming snowcats. These snowcats are responsible for grooming 13 snowmobile complexes located in Utah.	\$100,000	\$238,326

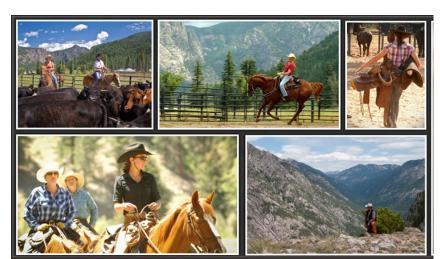


Recreational Trails Program (RTP)

DNR

- Administered by Utah State Parks
- Motorized and non-motorized
- Revenue from federal motor fuel tax;
- apportioned to each state
 Utah annually receives about \$1.6 M
- May be combined use













2022-2027



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



Transportation Improvement Program will . . .

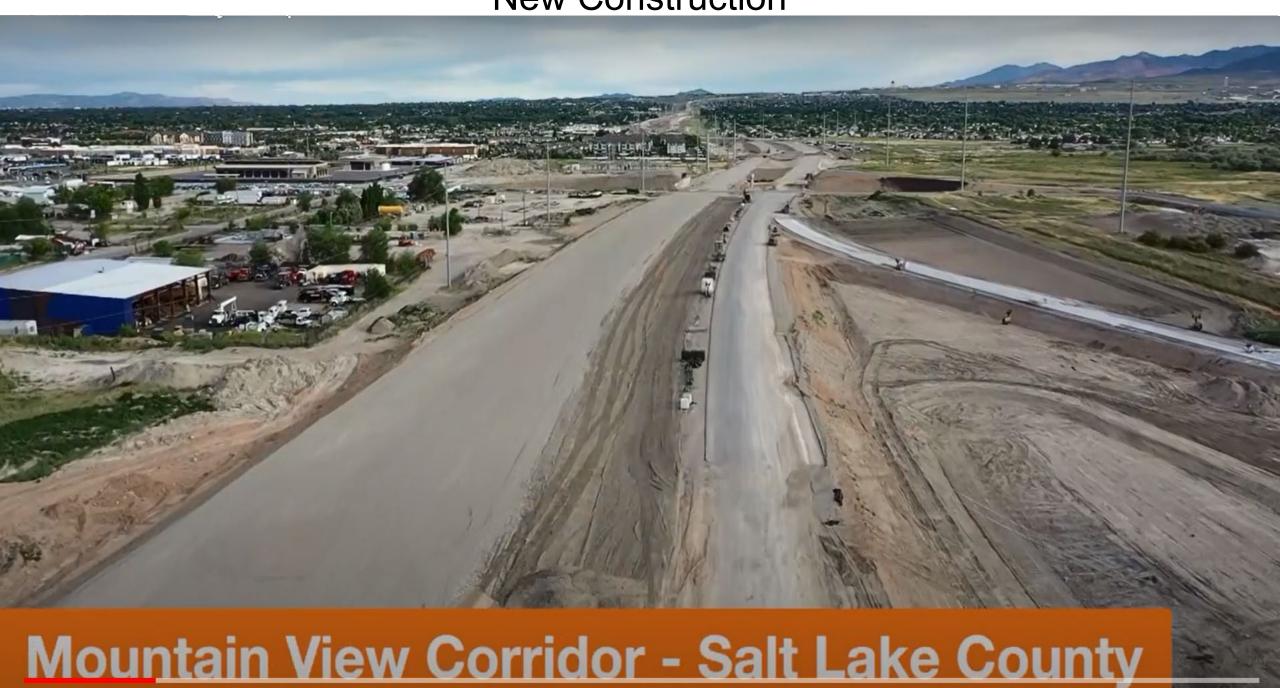
- 1. Implement the Long Range Plans
 - Highway/ Transit & Active Transportation
 Projects for the Region
- 2. Help Meet the Short Range Needs
 - Of the Wasatch Front Area
- 3. Provide for the Maintenance
 - Of the Existing Transportation System



Transportation Improvement Program Contains

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

New Construction



Rehab and Maintenance



Transit Projects – Various Locations Capital Improvements & Operation/ Preventive Maintenance



Pedestrian and Bicycle Projects

Various Locations



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



Projects in the TIP:

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



Federal Law Requires:

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

Air Quality Memorandum

REPORT NO. 40a - DRAFT

DATE June 3, 2021

SUBJECT CONFORMITY ANALYSIS FOR THE WFRC 2022-2027 TRANSPORTATION

IMPROVEMENT PROGRAM.

ABSTRACT The Fix

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 2022-2027 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 southern Box Elder, western Weber, Davis, and Salt Lake Counties included in the 2022-2027 TIP are found to conform.

Wasatch Front Regional Council

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

	January											
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												

February										
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										

	March											
Su	М	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									

April								
Su	М	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			

May									
Su	М	M Tu W Th F							
						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								

June									
Su	М	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						

July									
Su	М	M Tu W Th F							
				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			

August									
Su	М	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							

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

November									
Su	М	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	М	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					

WASATCH

TIP 2022-2027 Public Comment List

	Interactive Map Comments - Project Specific									
ID	Comment	Project Description	County Name	Project Status	Project Cost (\$)	Forecast Start Year				
1	How are you going to ensure the safety of homes on heritage way?	Tom's Lane South Extension	Tooele	Scoping	\$1,586,000	2022				
2	Create a design to allow for both northbound and southbound bus exits to Main Street. Provide easier access to the train platform.	Layton <u>FrontRunner</u> Station Parking	Davis	Scoping	\$2,145,232	2021				
3	Provide some type of connection to Shepard Lane and West Davis Corridor.	Commerce Drive Road; Burke Lane to 950 North	Davis	Scoping	\$8,122,000	2026				
4	Improve sidewalks along Lagoon Drive as well.	Park Lane & 326 West Sidewalk - Farmington	Davis	Scoping	\$92,000	2020				
5	Better integration between UDOT owned traffic signals and Layton City owned traffic signals. For example, northbound Flint Street and westbound Gentile Street can get backed up in the afternoons due to lack of sensors to know how far back traffic is.	I-15 Ramp Destination Sensors in Davis County	Davis	Scoping	\$250,000	2020				
6	Allow for the possibility of future electrification.	UTA Locomotive Rebuild	Weber	Scoping	\$1,314,000	2024				
7	Add wireless traffic signal to vehicle communication. Similar to Redwood Rd. pilot where it can help late busses make up schedule or talk to enabled smart vehicles to adjust speed as they approach signals.	Ogden/ Layton Area Signal Timing & Optimization	Weber	Scoping	\$400,000	2027				
8	Make sure there is room for future <u>FrontRunner</u> double tracking.	I-15; 600 N. to Farmington Environmental	Various	Scoping	\$10,000,000	2025				
9	Thank you for advancing this project. Create an access plan for this segment and future North Ogden segments. Reduce new driveway access so there are fewer conflict points. Because most roads in Pleasant View were built by developers, there are lots of conflict points on main roads.	Skyline Drive; 1100 W to 4300 N (Pleasant View)	Weber	Scoping	\$32,338,000	2023				
10	<u> </u>	TSP/ Preemption Equipment for Additional Buses	Various	Scoping	\$85,000	2026				

