REPORT NO. 27

- **DATE** May 26, 2011
- **SUBJECT** CONFORMITY ANALYSIS FOR THE WFRC 2040 REGIONAL TRANSPORTATION PLAN.
- **ABSTRACT** The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) 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 (RTP) and Transportation Improvement Program (TIP). A conforming Plan or Program is one that has been analyzed for emissions of controlled air pollutants and found to be within emission limits established in the State Implementation Plan (SIP) or within guidelines established by 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 EPA as of March 2010 and according to FHWA final rulemakings found in the SAFETEA-LU legislation.

Based on the analysis presented in this document, the WFRC 2040 RTP conforms to the State Implementation Plan or the Environmental Protection Agency interim conformity guidelines for all pollutants in applicable non-attainment or maintenance areas. Therefore, all the transportation projects in Weber, Davis, and Salt Lake Counties in the 2040 RTP are found to conform.

Wasatch Front Regional Council

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A. Conformity Requirements

Conformity Process

Since the commencement of the planning requirements in the late 1960s, further requirements (most recently the 2005 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users and the 1990 Clean Air Act Amendments) have added to the responsibilities and the decision making powers of local governments through the Metropolitan Planning Organization. The Wasatch Front Regional Council (WFRC) is the Metropolitan Planning Organization for the Salt Lake and Ogden / Layton Urbanized Areas. This report summarizes WFRC's conformity analysis of the RTP with the Division of Air Quality's State Implementation Plan (SIP) and the Environmental Protection Agency's interim conformity guidelines. This conformity analysis is subject to public and agency review, and requires the concurrence of the Federal Highway Administration and Federal Transit Administration.

In November, 1993, the Environmental Protection Agency and the Department of Transportation issued rules establishing the procedures to be used to show that transportation Plans and Programs conform to the SIP. The conformity rules establish that federal funds may not be used for transportation projects that add capacity in areas designated as "non-attainment (or maintenance) with respect to the National Ambient Air Quality Standards", until and unless a regional emissions analysis of the Plan and TIP demonstrates that the projects conform to the SIP. This restriction also applies to "regionally significant" transportation project uses local funds exclusively.

Weber, Davis, and Salt Lake Counties, Salt Lake City, and Ogden City are designated as nonattainment (or maintenance) for one or more air pollutants. Specifically, there are four areas in the Wasatch Front region for which the conformity rules apply. These areas are listed in Table 1 below.

Area	Designation	Pollutant
Salt Lake City	Maintenance Area	Carbon Monoxide (CO)
Ogden City	Maintenance Area	Carbon Monoxide (CO)
	Moderate Non-Attainment Area	Particulate Matter (PM ₁₀)
Salt Lake County	Moderate Non-Attainment Area	Particulate Matter (PM ₁₀)
Salt Lake	Moderate Non-Attainment Area	Particulate Matter (PM _{2.5})
(including Davis, Salt Lake, and portions of Weber, Box Elder, and Tooele Counties)		

Table 1Wasatch Front Region Non-attainment Designations

In September 2006 the EPA changed the 24-hour $PM_{2.5}$ standard from 65 µg/m³ to 35 µg/m³. Under this stricter standard, several areas along the Wasatch Front have experienced violations of the new $PM_{2.5}$ standard. Effective December 14, 2009, the EPA designated the area including Davis and Salt Lake Counties, and portions of Weber, Box Elder, and Tooele Counties as a $PM_{2.5}$ non-attainment area. The EPA has also proposed a new standard for ozone but has not made a final determination as to what that standard should be nor has the EPA made non-attainment area designations for the proposed ozone standard.

The CAAA established requirements for conformity. These requirements are outlined in 40 CFR 93.109 and include the following:

- Latest planning assumptions
- Transportation Control Measures (TCM)
- Emissions budget
- Project from a conforming plan and TIP
- PM_{10} control measures

- Latest emissions model
- Consultation
- Currently conforming plan and TIP
- CO and PM₁₀ "hot spots"

Each of these requirements will be discussed in the following paragraphs.

Latest Planning Assumptions

Current travel models are based on socioeconomic data and forecasts from local building permits, the Utah Division of Workforce Services, and the Governor's Office of Planning and Budget (GOPB). Socioeconomic data are from calendar year 2007. Forecasts of population and employment by traffic analysis zone were developed by WFRC in 2009 and 2010 and are tied to county-level forecasts published by GOPB in January, 2008.

Latest Emissions Model

The conformity analysis presented in this document is based on EPA mobile source emissions models: MOBILE6.2 for tailpipe emissions and AP-42 section 13.2.1 for paved road dust emissions. The application of these models will be discussed in greater detail in the Emissions Model section of this document. The use of the new MOVES model is not mandated until March 2012.

Consultation Process

Section 105 of 40 CFR Part 93 (Conformity Rule) requires, among other things, interagency consultation in the development of conformity determinations. To satisfy this requirement, the State Division of Air Quality, in cooperation with WFRC, Mountainlands Association of Governments, Utah Department of Transportation, Utah Transit Authority, EPA, FHWA, and FTA, prepared a Conformity SIP document to outline the consultation procedures to be used in air quality and transportation planning. The Conformity SIP has been approved by EPA. WFRC followed the consultation procedures as outlined in the Conformity SIP in the preparation of this conformity analysis. As part of the consultation procedures defined in the Conformity SIP, WFRC presented this report to the Regional Growth Committee and the Transportation Committee for review and comment. Both of these committees include a member of the Utah Air Quality Board as well as representatives of UDOT, UTA, FHWA, and FTA. In addition, management level staff members from the Utah Division of Air Quality are notified of meetings and agendas of the above committees. The Utah Division of Air Quality was also be provided with a copy of this report at the beginning of the public comment period for the RTP.

This Conformity Analysis for the 2040 RTP was made available for public inspection and comment for a 30-day period in accordance with EPA conformity regulations. This analysis was also posted on the WFRC website at the beginning of the comment period. Notification of the comment period

was sent by electronic mail to interested stakeholders. In addition, public comment was taken during various committee meetings of the Wasatch Front Regional Council, as well as public open houses with the express purpose of soliciting public comment on this document.

TCM Implementation

A conformity analysis for the 2040 RTP must certify that nothing in the RTP interferes with the implementation of any Transportation Control Measure (TCM) identified in the applicable State Implementation Plan (SIP). There is one TCM from the original SIP section for the 1-hour ozone standard which has been carried forward to the current ozone maintenance plan, even though the 1-hour ozone standard has been revoked. This TCM, the employer-based trip reduction program, applies to local, state, and federal government employers. The program emphasizes measures to reduce the drive-alone rate such as subsidized bus passes, carpooling, telecommuting, and flexible work schedules. UTA has in place the ECO pass discount for a number of large employers including the University of Utah and Weber State University. Ridesharing, telecommuting, and flexible work schedules are programs currently managed, promoted, or operated by UTA Rideshare and the UDOT Travelwise program. Congestion Mitigation and Air Quality (CMAQ) funds and other transportation funds are used to support these ongoing programs.

Emissions Budget

A comparison of mobile source emission estimates to emission budgets defined in the SIP is outlined in this document in Section D - Conformity Determination.

Currently Conforming Plan and TIP

The existing 2030 RTP for the Wasatch Front Area conforms to State air quality goals and objectives as noted in a letter from FHWA and FTA dated October 8, 2010. The existing TIP for the Wasatch Front Area was also found to conform and this was noted in a September 30, 2010 letter from FHWA and FTA.

Projects from a Conforming Plan and TIP

TIP Time Frame - All projects which must be started no later than 2016 in order to achieve the transportation system envisioned by the 2040 RTP are included in the 2011-2016 TIP. The TIP is fiscally constrained, meaning that only those projects with an identified source of funds are included in the TIP. Estimated funding availability is based on current funding levels and reasonable assumptions that these funds will continue to be available.

Regionally Significant

All regionally significant projects, regardless of funding source (federal, state, or local) are included in the RTP. All regionally significant projects are also included in the regional emissions analysis of the RTP. Regionally significant projects are identified as those projects functionally classified as principal arterial or higher order facility, and certain minor arterials as identified through the interagency consultation process (see Appendix 1 for a complete definition of regionally significant projects). The 2009 Utah Department of Transportation Functional Classification map was used to identify principal arterials. Interstate highways, freeways, expressways, principal arterials, certain minor arterials, light rail, and commuter rail are treated as regionally significant projects. Because of their relative impact on air quality, all regionally significant projects regardless of funding source must be included in the regional emissions analysis, and any significant change in the design or scope of a regionally significant project must be reflected in the regional emissions analysis. All regionally significant projects have been included in the regional emissions analysis, and the modeling parameters used for these projects are consistent with the design and scope of these projects as defined in the RTP. In order to improve the quality of the travel model, other minor arterials and collectors, as well as transit service, are also included in the regional travel model (and thus the regional emissions analysis) but these facilities are not considered regionally significant since they do not serve regional transportation needs as defined by EPA. For a list of projects included in this conformity analysis please refer to Appendix 2 for Weber, Davis, and Salt Lake Counties, Appendix 3 for Box Elder County, and Appendix 4 for Tooele County.

CO, PM₁₀ and PM_{2.5} "Hot Spot" Analysis

In addition to the regional emissions conformity analysis presented in this document, specific projects within carbon monoxide (CO) and particulate matter (PM_{10} and $PM_{2.5}$) non-attainment areas are required to prepare a "hot spot" analysis of emissions. The "hot spot" analysis serves to verify whether or not localized emissions from a specific project will meet air quality standards. This requirement is addressed during the NEPA phase of project approval before FHWA or FTA can issue final project approval.

Currently, EPA requires only a qualitative analysis of PM_{10} and $PM_{2.5}$ hot spot emissions. Project sponsors are required to prepare a qualitative analysis of localized PM_{10} and $PM_{2.5}$ impacts for the proposed project as part of their NEPA evaluation. FHWA has issued guidance on qualitative PM_{10} "hot spot" analysis to be used for the NEPA process. After December 20, 2012 a quantitative analysis of PM hot-spot emissions is required using the MOVES model along with a PM dispersion model.

PM₁₀ Control Measures

Construction-related Fugitive Dust - Construction related dust is not identified as a contributor to the PM_{10} non-attainment area, therefore there is no conformity requirement for construction dust. Section 93.122(d) (1) of 40 CFR reads as follows:

"For areas in which the implementation plan does not identify construction-related fugitive PM10 as a contributor to the non-attainment problem, the fugitive PM10 emissions associated with highway and transit project construction are not required to be considered in the regional emissions analysis."

In the Utah PM_{10} SIP, construction-related PM_{10} is not included in the inventory, nor is it included in the attainment demonstration or control strategies. Construction-related PM_{10} emissions are mentioned in qualitative terms in Section IX.A.7 of the SIP as a maintenance measure to preserve attainment of the PM_{10} standard achieved by application of the control strategies identified in the SIP. Section IX.A.7.d of the SIP requires UDOT and local planning agencies to cooperate and review all proposed construction projects for impacts on the PM_{10} standard. This SIP requirement is satisfied through the Utah State Air Quality Rules. R307-309-4 requires that sponsors of any construction activity file a dust control plan with the State Division of Air Quality.

Other Conformity Requirements

Transit Fares - Transit fares have and will increase in response to increases in operating costs. The Plan assumes that transit fare box revenues will cover a constant percentage of all transit operating cost, so future fare increases are consistent with the Plan. With any price increase some market reaction is expected. While there have been some short term fluctuations in transit patronage in response to fare increases, the implementation of light rail service and other transit improvements has restored and increased transit patronage consistent with the levels anticipated by the RTP.

Plans for expanding light rail service, increased and enhanced bus service, and the extension of commuter rail are moving forward. These transit features are envisioned in the Plan and the steps necessary to achieve these transit goals are moving forward including various voter approved sales tax increases for transit funding.

B. Transportation Modeling

Improvement to the WFRC travel model practice and procedure is an ongoing process. This conformity analysis is based on the latest version (7.0) of the travel model. Version 7.0 of the travel demand model updates the base year of the model from 2005 to 2007. The new model also has added more traffic analysis zones giving the model a finer resolution, and the transit mode choice model has been enhanced. Details of Version 7.0 of the travel model will be documented in a report and posted on the WFRC website at wfrc.org. At the time of this writing the travel model documentation is still in draft form.

Planning Process

Federal funding for transportation improvements in urban areas requires that these improvements be developed through a comprehensive, coordinated, and continuous planning process involving all affected local governments. The planning process is certified annually by the Regional Council and reported to the Federal Highway Administration and Federal Transit Administration. Every four years FHWA and FTA conduct a comprehensive certification review. The certification review of May 2009 found that the WFRC planning process meets federal requirements. Recommendations were made to improve WFRC's planning process and these are being addressed.

The documentation of the planning process includes at a minimum, a twenty-year Regional Transportation Plan updated at least every four years; and a four-year Transportation Improvement Program (capital improvement program) updated and adopted at least every four years. The planning process includes the involvement of local elected officials, state agencies, and the general public.

Travel Characteristics

The WFRC travel model is used to estimate and project highway Vehicle Miles Traveled (VMT) and vehicle speed for Weber, Davis, and Salt Lake Counties. A separate travel model is used to estimate VMT and speed for Tooele County. For VMT and speed estimates in Box Elder County, WFRC relied on forecasts provided by the Utah Department of Transportation. The WFRC travel demand model is based on the latest available socioeconomic data and a mathematical representation of the

transportation network of highways and transit service. The base data for the travel demand model is reviewed regularly for accuracy and updates. The travel model files used for this conformity analysis are available upon request on compact disc.

Shown below in Table 2 is a summary of weekday VMT for the cities and counties in designated non-attainment areas. Totals for VMT are given for various air quality analysis years from 2010 to 2040. Note that the VMT values for Weber, Box Elder, and Tooele Counties are not for the entire county but only that portion of the county designated as non-attainment for a criteria pollutant.

Table 2

Vehicle Miles Traveled (Average Weekday HPMS Adjusted)				
	2010	2020	2030	2040
Salt Lake City	6,428,024	7,352,617	8,445,654	9,166,014
Ogden City	1,521,382	1,812,375	2,051,916	2,273,647
Salt Lake County	26,071,001	31,590,719	37,941,979	44,502,769
Davis County	7,964,660	9,384,173	10,477,655	11,487,797
Weber County*	4,817,023	5,989,116	7,121,312	8,343,712
Box Elder County*	2,416,428	2,970,659	3,661,683	4,445,941
Tooele County*	1,673,347	2,556,162	3,438,978	3,968,911

**non-attainment portion of the county*

The HPMS adjustment factor is determined as the 2009 VMT reported by UDOT through the HPMS data reporting system is divided by the model VMT for 2009. The resulting 2009 HPMS adjustment factor (see Table 3 below) for each area is then applied by functional class to the travel model VMT for future years resulting in the HPMS adjusted future VMT. Due to the limited detail in the travel demand model for local class road, the HPMS adjustment factor is considerably greater than the factors for arterials and freeways.

Table 3			
Summ	ary of 2009 HPMS	Factors	
	Freeway/Ramps	Arterials	Locals
Salt Lake City	0.921	0.853	3.041
Ogden City	0.846	0.976	3.592
Salt Lake County	0.902	0.880	2.840
Davis County	0.932	0.933	3.533
Weber County	0.988	1.028	2.380
Box Elder County	0.843	1.053	7.754
Tooele County	0.796	0.773	2.487

Note: The non-attainment area includes the more populous areas of Tooele and Box Elder Counties.

Peak and Off-Peak Speeds

The modeled VMT and speed for each time period (AM, midday, PM, and evening) defined in the travel demand model depend on the number of vehicle trips assigned for that time period. The percentage of trips by purpose varies for each time period. The percentages in Table 4a and Table

4b below are based on data from the 1993 Home Interview Survey and 2008 observed traffic count information. Trip purposes "commercial" (COM) and "through" (THRU) were not sampled in the Home Interview Survey. These two trip types are allocated to the four time periods according to the percentages for NHB and IXXI trips respectively (with some rounding as necessary for the COM trips).

Percent of Home Based Trips by Time of Day								
AM Mid-day				PM		Evening		
Purpose	From Home	To Home	From Home	To Home	From Home	To Home	From Home	To Home
HBW	35%	2%	7%	8%	2%	25%	6%	15%
HBO	11%	1%	16%	15%	11%	15%	12%	18%

 Table 4a

 Percent of Home Based Trips by Time of Day

Table 4bPercent of Other Trips by Time of Day

referred of other rips by time of Day				
Purpose	AM	Mid-day	PM	Evening
NHB	7%	51%	26%	16%
IXXI	20%	29%	26%	25%
COM	6%	53%	26%	15%
THRU	20%	29%	26%	25%

Trip Purpose abbreviations:

HBO - Home Based Other HBW - Home Based Work IXXI - Internal/External, External/Internal NHB - Non-Home Based COM - Commercial THRU - Through

Comparison of Modeled Speeds with Observed Data

WFRC continues to adjust modeled speeds to improve consistency with samples of observed speeds. A review of Salt Lake County modeled speed and observed speed is summarized in Table 5. Modeled speeds in Table 5 are within -4.5% to 7.4% of observed speeds.

	Arterial		Arterial Freewa		eway
	AM	PM	AM	PM	
Functional Class	Peak	Peak	Peak	Peak	
2007 Modeled Speeds (mph)	31	29	64	64	
2008 Observed Speeds (mph)	31	27	67	67	

 Table 5

 Salt Lake County Modeled Speeds Compared to Observed Speeds

C. Emission Modeling

I/M Programs

Assumptions for the input files for EPA's MOBILE6.2 vehicle emissions model include I/M programs in Salt Lake, Davis, and Weber Counties. Box Elder and Tooele Counties do not presently have I/M programs. Emission rates for re-entrained dust from paved roads are estimated using methods described in the January 2011 edition of Chapter 13 of EPA's Compilation of Air Pollution Emission Factors, AP-42 document.

VMT Mix

The VMT mix describes how much a particular vehicle type is used in the transportation network. The national default VMT mix contained in MOBILE6.2 was used to disaggregate local vehicle type data. The local vehicle type data is collected by UDOT as part of the federal HPMS data collection system and is based on automated counters which classify vehicles based on axle spacing. The UDOT classification is used to calculate control percentages for light duty (LD) vehicles and heavy duty (HD) vehicles for each facility type. The EPA default VMT mix is then applied to disaggregate the two UDOT control percentages into detailed percentages for the sixteen vehicle classes used in MOBILE6.2

Vehicle Weights

Facility specific VMT mix data described above was also used to estimate the average vehicle weight on each facility type. Since vehicle weight affects the rate of fugitive dust emissions estimated using the AP-42 method, vehicle weight variations on different facilities will affect the amount of fugitive dust created. The VMT mix for each facility type was used to estimate an average vehicle weight for each facility with the following results:

<u>Facility</u>	Average Vehicle Weight (pounds)
Urban - Freeway	6,500
Urban - Arterial	6,100
Urban - Local	3,900

Post Model Adjustments

For conformity analyses prior to 2000, the WFRC applied post model adjustments to vehicle emission estimates. Emission credits for work trips were modeled for reductions in single occupant vehicle rates based primarily on increased investments in transit service and rideshare programs, and the projected increase in telecommuting. Other less significant post model adjustments were also estimated for incident management, pavement re-striping, and signal coordination. Other emission reducing programs and projects supported by CMAQ funds such as park and ride lots, bicycle facilities, transit vehicles, intelligent transportation systems (ITS), and intersection improvements have also been implemented.

WFRC believes that these programs have a positive effect in reducing vehicle emissions. In practice, however, WFRC has found that documenting the air quality benefits of these programs can be elusive. WFRC will continue to support these emission reduction programs, but credits from these programs have not been included in this conformity analysis.

MOBILE6 Inputs

Through the interagency consultation process the required MOBILE6 inputs reflecting local conditions have been established. These inputs are summarized in Table 6 below.

		Non-Seasonal Values				
1	VMT Fractions (fleet mix)	Facility specific and year specific fleet mix profiles (or VMT mix) are found in the Mobile6 command file. See <u>2011_PMf.in</u> for details.				
2	VMT hour profile	These profiles are created for each area and each analysis year from data				
	VMT speed profile VMT facility profile	in the travel model. These files are available upon request.				
3	Anti-Tamp Program	84 68 50 22222 2222	22222 2 11 096. 22212222			
4	No Refueling]	TRUE			
5	I/M Credits	Te	ech12.d			
6	Fuel Program		3			
7	Altitude		2			
		Winter Values	Summer Values			
8	Min Temp	23.0	63.0			
9	Max Temp	45.0	98.0			
10	Fuel RVP (volatility)	12.1	7.8			
11	Absolute Humidity	20.0	73.6			
12	Oxygenated Fuels	None	None			
13	Diesel Sulfur	Use 15 ppm for year 2007 and	d thereafter			
14	Vehicle age distribution	WEage07.d for Weber County				
		SLage07.d for Salt Lake County				
		DAage07.d for Davis County				
		BEage07.d for Box Elder Cour				
		TOage07.d for Tooele County				
15	I/M Programs	Weber County years 2003-2050: WE03_50.txt				
		Davis County years 2003-205				
		Salt Lake County years 2003-2050: SL03_50.txt Box Elder County all years: no I/M program				
		Tooele County all years: no I/	1 0			
		100ere County all years. no 1/	ivi piogram			

Table 6 Inputs to Mobile6.2 (for an explanation of these program codes refer to the Mobile6 User Guide)

Road Dust Estimates

In January 2011, the EPA released new guidance for estimating dust emissions from paved roads. These guidelines are published in Chapter 13.2.1 of the AP-42 document. The new formula is

$$E = k \, (sL)^{0.91} \, \mathsf{x} \, (W)^{1.02}$$

where:

E = particulate emission factor (grams/mile),

k = particle size multiplier for particle size range and units of interest,

sL = road surface silt loading (grams per square meter - g/m^2), and

W = average weight (tons) of the vehicles traveling the road.

For PM_{10} , k=1.0 and for $PM_{2.5}$ k=0.25. Based on vehicle type counts on road in the WFRC regions, average vehicle weights for local roads, arterials, and freeways are 1.95, 3.05, and 3.25 tons respectively. The silt load (sL) factor varies by highway functional class and by traffic volume. The default silt load factors found in Table 13.2.1-2 of the AP-42 document are summarized below.

Traffic Volume	Functional Class	Silt Load (grams/meter ²)
500-5,000	local roads	0.200
5,000-10,000	arterial roads	0.060
limited access	freeways	0.015

A precipitation reduction factor is also applied to the above equation using the following expression:

(1 - P/4N)

Where:

P = number of "wet" days with at least 0.254 mm (0.01 in) of precipitation during the averaging period, and

N = number of days in the averaging period (e.g., 365 for annual, 91 for seasonal, 30 for monthly).

The AP-42 guidance recommends a value of 90 precipitation days per year for the Wasatch Front region. Using these values, the precipitation reduction factor yields a value of 0.9384. Combined with the basic road dust emission rate, the net PM_{10} road dust factors by highway functional class are as follows:

Functional Class	PM ₁₀ Road Dust Rate (grams/mile)
local roads	0.429
arterials	0.226
freeways	0.068

D. Conformity Determination

The following conformity findings for the 2040 Regional Transportation Plan for the Wasatch Front are based on the transportation systems and planning assumptions described in this report and the EPA approved vehicle emissions model (Mobile6.2).

Salt Lake City CO Conformity

The carbon monoxide maintenance plan for Salt Lake City was approved by EPA effective September 30, 2005 as recorded in the Federal Register (Vol. 70, No. 146, August 1, 2005). The maintenance plan defines a motor vehicle emission budget for the years 2005 and 2019 of 278.62 tons/day. Table 7 below demonstrates that projected mobile source emissions are within the emission budget defined in the maintenance plan for the 2019 budget year. The other years listed in Table 7 are in accordance with requirements of the Conformity Rule (40 CFR Part 93) as noted in the table.

From this demonstration it is concluded that the RTP conforms to the applicable controls and goals of the State Implementation Plan (Maintenance Plan) for Carbon Monoxide in Salt Lake City.

Table 7Salt Lake City COConformity Determination

	b	а	b	b	С
Year	2012	2019	2020	2030	2040
Budget [#] (tons/day)	278.62	278.62	278.62	278.62	278.62
emission rate (grams/mile)	14.21	11.33	11.09	10.42	10.38
seasonal VMT	6,463,653	7,104,482	7,212,917	8,285,186	8,991,860
Projection* (tons/day)	101.27	88.71	88.23	95.17	102.86
Conformity (Projection < Budget?)	Pass	Pass	Pass	Pass	Pass

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

[#] Federal Register Vol. 70 No. 146, August 1, 2005, Table V-2.

* Projection = Emission Rate x seasonal VMT, then divide by 453.5 to convert to pounds, then divide by 2,000 to convert to tons.

Ogden CO Conformity

The carbon monoxide maintenance plan for Ogden City was approved by EPA effective November 14, 2005 as recorded in the Federal Register (Vol. 70, No. 177, September 14, 2005). The maintenance plan defines a motor vehicle emission budget for the years 2005 and 2021 of 75.36 and 73.02 tons/day respectively. Table 8 below demonstrates that projected mobile source emissions are within the emission budget defined in the maintenance plan for the 2021 budget year. The other years listed in Table 8 are in accordance with requirements of the Conformity Rule (40 CFR Part 93) as noted in the table.

From this demonstration it is concluded that the RTP conforms to the applicable controls and goals of the State Implementation Plan (Maintenance Plan) for Carbon Monoxide in Ogden City.

Table 8

	b	а	b	b	С
Year	2012	2020	2021	2030	2040
Budget (tons/day)	75.36	75.36	73.02	73.02	73.02
emission rate (grams/mile)	16.50	12.84	12.69	11.91	11.87
seasonal VMT	1,533,214	1,753,362	1,776,555	1,985,290	2,205,048
Projection* (tons/day)	27.89	24.83	24.85	26.06	28.86
Conformity					
(Projection < Budget?)	Pass	Pass	Pass	Pass	Pass

Ogden City CO Conformity Determination

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

[#] Federal Register Vol. 70 No. 177, September 14, 2005, Table V-2.

* Projection = Emission Rate x seasonal VMT, then divide by 453.5 to convert to pounds, then divide by 2,000 to convert to tons.

Ogden PM10 Conformity

Ogden City was designated a PM_{10} non-attainment area in August of 1995 based on PM_{10} violations in 1993 or earlier. Since a PM_{10} SIP for Ogden has not yet been approved by EPA, it must be demonstrated that Ogden PM_{10} emissions are either less than 1990 emissions or less than "no-build" emissions. The analysis years 2012, 2015, 2025, and 2030 were selected in accordance with the requirements of 40 CFR Section 93.119(e).

 PM_{10} emissions are present in two varieties referred to as primary and secondary PM_{10} . Primary PM_{10} consists mostly of fugitive road dust but also includes particles from brake wear and tire wear and some "soot" particles emitted directly from the vehicle tailpipe. The methods defined in the January 2011 version of the EPA publication known as "AP-42" were used to estimate dust from paved roads. Secondary PM_{10} consists of gaseous tailpipe emissions that take on a particulate form through subsequent chemical reactions in the atmosphere. Nitrogen oxides are the main component of secondary PM_{10} emissions with sulfur oxides a distant second.

As summarized in Tables 9a and 9b, emission estimates for the 2040 RTP satisfy the "Build < 1990" test for secondary PM_{10} (NOx precursors) and primary PM_{10} (direct tailpipe particulates and road dust) in Ogden City. The 1990 emission estimates used in the 2003 conformity analysis are used again for this conformity analysis, specifically 4.57 tons/day for the NOx precursor budget, and 2.28 tons/day for the direct PM10 budget. The 1990 primary PM_{10} estimate for Ogden City includes emissions from the unpaved access road to the Ogden landfill which was closed in 1998.

For projections of primary PM_{10} emissions, no credit was taken for a number of programs adopted since Ogden City last violated the PM_{10} standard. These particulate reducing programs include covered load ordinances, increased frequency of street sweeping, and reduced application of deicing and skid resistant materials (salt and sand). Documentation of these programs has been provided by Ogden City but the actual benefits of these programs are not included in the emission projections

below. Other areas that have estimated the benefit of these programs have found a silt load reduction of over 30% for effective street sweeping programs and a 5% silt load reduction when limiting the amount of sand and salt applied to the roads. Ogden City has also implemented a number of specific projects that have a positive effect in reducing particulate emissions including park and ride lots, storm water improvements, shoulder widening and edge striping, and addition of curb and gutter on several projects.

From this demonstration it is concluded that the RTP conforms under the Emission Reductions Criteria for areas without motor vehicle emissions budgets for PM_{10} in Ogden City.

Table 9aOgden City PM10 - NOx PrecursorConformity Determination

	d	b	b	С
Year	2015	2020	2030	2040
1990 Emissions (tons/day)	4.57	4.57	4.57	4.57
emission rate (grams/mile)	0.89	0.58	0.38	0.36
seasonal VMT	1,625,601	1,753,362	1,985,290	2,205,048
Projection* (tons/day)	1.60	1.11	0.83	0.88
Conformity (Projection < 1990 Emissions?)	Pass	Pass	Pass	Pass

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

	d	b	b	С
Year	2015	2020	2030	2040
1990 Emissions (tons/day)	2.28	2.28	2.28	2.28
tailpipe particulate rates (grams/mile)				
Gpm (gasoline particulates)	0.0041	0.0039	0.0037	0.0037
Ec (diesel elemental carbon)	0.0027	0.0012	0.0006	0.0005
Oc (diesel organic carbon)	0.0014	0.0006	0.0003	0.0003
Pbr (brake particulates)	0.0125	0.0125	0.0125	0.0125
Pti (tire wear particulates)	0.0091	0.0091	0.0091	0.0091
road dust particulate rates (grams/mile))			
Freeway road dust	0.0683	0.0683	0.0683	0.0683
Ramp Road dust	0.0683	0.0683	0.0683	0.0683
Arterial road dust	0.2262	0.2262	0.2262	0.2262
Local road dust	0.4287	0.4287	0.4287	0.4287
net emission rate:				
(average all road & vehicle types)	0.28	0.28	0.27	0.27
seasonal VMT	1,625,601	1,753,362	1,985,290	2,205,048
Tailpipe Particulates (tons/day)	0.05	0.05	0.06	0.06
Road Dust Particulates	0.45	0.48	0.54	0.60
Projection* (tons/day)	0.51	0.54	0.60	0.66
Conformity				
(Projection < 1990 Emissions?)	Pass	Pass	Pass	Pass

Table 9b **Ogden City PM10 - Primary Particulates** Conformity Determination**

** Includes road dust, elemental carbon, organic carbon, gasoline exhaust particulates, tire wear, and brake wear.

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

* Projection = Emission Rate x seasonal VMT, then divide by 453.5 to convert to pounds, then divide by 2,000 to convert to tons.

Salt Lake County PM10 Conformity

The PM_{10} SIP for Salt Lake County does not define a budget beyond the year 2003. Therefore, conformity tests are required only for analysis years which are identified in accordance with 40 CFR 93.118. All analysis years after 2003 must meet the 2003 budgets for primary particulates and secondary particulates (see the discussion above under Ogden PM₁₀ Conformity for an explanation of primary and secondary PM_{10} emissions). The State air quality rule R307-310 allows a portion of the surplus primary PM_{10} budget to be applied to the secondary PM_{10} budget for conformity purposes. As shown below in Table 10, no budget adjustments were necessary for analysis years 2015, 2020, 2030, or 2040.

	(tons/day)				
Year	2015	2020	2030	2040	
Total PM10 Budget [#]	72.60	72.60	72.60	72.60	
Direct PM10 Budget	40.30	40.30	40.30	40.30	
NOx Precursor PM10 Budget	32.30	32.30	32.30	32.30	
Direct PM10 Budget to be Traded	0.00	0.00	0.00	0.00	
Resulting Direct PM10 Budget	40.30	40.30	40.30	40.30	
Resulting NOx Precursor PM10 Budget	32.30	32.30	32.30	32.30	

Table 10 Salt Lake County PM10 Budgets Direct (Dust) and Precursor (NOx) PM10 Emissions

Table 11a and Table 11b below demonstrate that projected mobile source emissions are within the emission budget defined in the SIP. The years listed in Table 10a and Table 10b are in accordance with requirements of the Conformity Rule (40 CFR Part 93) as noted in the tables.

From this demonstration it is concluded that the RTP conforms to the applicable controls and goals of the State Implementation Plan for PM_{10} in Salt Lake County.

Table 11aSalt Lake County PM10 - NOx PrecursorConformity Determination

	b	b	b	С
Year	2015	2020	2030	2040
Budget [#] (tons/day)	32.30	32.30	32.30	32.30
emission rate (grams/mile)	0.68	0.39	0.24	0.23
seasonal VMT	28,309,100	30,990,495	37,221,081	43,598,929
Projection* (tons/day)	21.07	13.46	10.01	11.25
Conformity		_	-	
(Projection < Budget?)	Pass	Pass	Pass	Pass

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

[#] WFRC Memo to Jeff Houk of EPA, April 15, 1994.

	b	b	b	С
Year	2015	2020	2030	2040
Budget [#] (tons/day)	40.30	40.30	40.30	40.30
tailpipe particulate rates (grams/mile)				
Gpm (gasoline particulates)	0.0039	0.0038	0.0037	0.0037
Ec (diesel elemental carbon)	0.0039	0.0038	0.0037	0.0037
Oc (diesel organic carbon)	0.0039	0.0038	0.0037	0.0037
Pbr (brake particulates)	0.0039	0.0038	0.0037	0.0037
Pti (tire wear particulates)	0.0039	0.0038	0.0037	0.0037
road dust particulate rates (grams/mil	<i>e</i>)			
Freeway road dust	0.0683	0.0683	0.0683	0.0683
Ramp Road dust	0.0683	0.0683	0.0683	0.0683
Arterial road dust	0.2262	0.2262	0.2262	0.2262
Local road dust	0.4287	0.4287	0.4287	0.4287
net emission rate:				
(average all road & vehicle types)	0.24	0.23	0.23	0.22
seasonal VMT	28,309,100	30,990,495	37,221,081	43,598,929
Tailpipe Particulates (tons/day)	0.90	0.91	1.09	1.28
Road Dust Particulates	6.49	7.11	8.36	9.25
Projection* (tons/day)	7.39	8.02	9.45	10.53
Conformity				
(Projection < Budget?)	Pass	Pass	Pass	Pass

Table 11bSalt Lake County PM10 - Primary Particulates**Conformity Determination

** Includes road dust, elemental carbon, organic carbon, gasoline exhaust particulates, tire wear, and brake wear.

[#] WFRC Memo to Jeff Houk of EPA, April 15, 1994.

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

Salt Lake PM_{2.5} Conformity

(Includes Davis, Salt Lake, and portions of Weber, Tooele, and Box Elder Counties)

Davis, Salt Lake, and portions of Weber, Tooele, and Box Elder Counties have been designated as non-attainment areas under the new PM_{2.5} standard ($35 \ \mu g/m^3$) that was established in 2006. Work has begun on a PM_{2.5} section of the State Implementation Plan which will establish a motor vehicle emission budget for emissions associated with PM_{2.5}. Until the PM_{2.5} SIP is completed and approved by EPA, PM_{2.5} interim conformity requirements apply. EPA interim conformity for PM_{2.5} emissions requires that future NOx emissions (a precursor to PM_{2.5}) and primary particulate emissions not exceed 2008 levels.

Table 12a below demonstrates that projected mobile source emissions of NOx (a precursor to $PM_{2.5}$ emissions) in the five-county $PM_{2.5}$ non-attainment area are less than 2008 NOx emissions. Table 12b below demonstrates that direct particle emissions of $PM_{2.5}$ in the five-county $PM_{2.5}$ non-attainment area are also less than 2008 direct particle emissions. Direct particle emissions include exhaust emissions of gasoline particulates, elemental carbon, organic carbon, and sulfates (SO4); and mechanical emissions from brake wear and tire wear.

From this demonstration it is concluded that the RTP conforms under the interim conformity guidelines for $PM_{2.5}$ areas without an approved motor vehicle emissions budget for the Salt Lake $PM_{2.5}$ non-attainment area.

Table 12aSalt Lake PM2.5 Area# - NOx PrecursorConformity Determination

	b	b	b	С
Year	2015	2020	2030	2040
2008 Emissions (tons/day)	77.22	77.22	77.22	77.22
emission rate (grams/mile)	0.83	0.51	0.32	0.30
seasonal VMT	46,660,247	51,308,667	61,239,777	71,237,164
Projection* (tons/day)	42.93	28.79	21.57	23.88
Conformity				
(Projection < Budget?)	Pass	Pass	Pass	Pass

Salt Lake PM2.5 Non-Attainment Area includes: Davis, Salt Lake, and portions of Weber, Box Elder and Tooele Counties.

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

	b	b	b	С
Year	2015	2020	2030	2040
2008 Emissions (tons/day)	1.16	1.16	1.16	1.16
emission rate (grams/mile)	0.0157	0.0134	0.0125	0.0123
seasonal VMT	46,660,247	51,308,667	61,239,777	71,237,164
Projection* (tons/day)	0.81	0.76	0.84	0.97
Conformity				
(Projection < Budget?)	Pass	Pass	Pass	Pass

Table 12b Salt Lake PM_{2.5} Area[#] - Direct PM Emissions** Conformity Determination

Salt Lake PM2.5 Non-Attainment Area includes: Weber, Davis, Salt Lake, and portions of Box Elder and Tooele Counties.

a-budget year, b - 10-year rule, c - last year of Plan, d - no budget 5-year rule

* Projection = Emission Rate x seasonal VMT, then divide by 453.5 to convert to pounds, then divide by 2,000 to convert to tons.

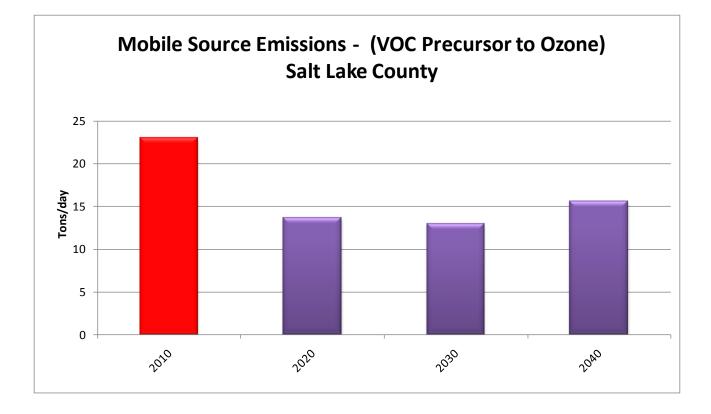
** Direct PM includes gasoline particulates, elemental carbon, organic carbon, SO4, brake wear, and tire wear.

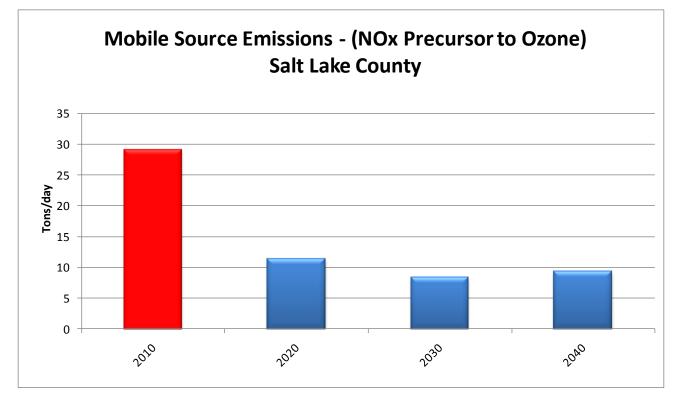
Salt Lake and Davis County Ozone Conformity

The 1-hour ozone standard was revoked on June 19, 2005. Therefore, a conformity analysis under the 1-hour ozone standard in Salt Lake and Davis Counties is no longer required.

The current 8-hour ozone standard is 75 ppb. EPA is considering a more aggressive ozone standard in the range of 60-70 ppb, but a final decision is not expected before July of 2011. While the new standard remains undetermined, EPA has not made official non-attainment designations for ozone. It is anticipated that most if not all areas along the Wasatch Front will be designated as non-attainment once the new ozone standard is implemented.

When the new ozone standard is established, the EPA will consider non-attainment area recommendations from the State before making final designations. Once final designations are made, the State of Utah will then need to prepare a new section of the State Implementation Plan (SIP) for ozone emissions including a motor vehicle emission budget for ozone precursor emissions of NOx and VOC (volatile organic compounds). For the interim period between non-attainment designation and an approved motor vehicle emissions budget in the SIP, conformity for ozone precursor emissions is based on future "build scenario" vehicle emissions being less than base year vehicle emissions (likely 2010), and future "build scenario" emissions being less than future "no-build scenario" vehicle emissions. At the time of this memorandum, ozone designations have not been made so there is no requirement for a conformity determination for ozone related emissions. For discussion purposes, the charts below demonstrate that future vehicle emissions of NOx and VOC in Salt Lake County are expected to be less than 2010 vehicle emissions.





*Source: Mobile6.2 vehicle emission rates and projected vehicle miles of travel based on the Wasatch Front 2040 RTP.

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Appendix – 1 Definition of Regionally Significant Projects

Process for Determining Regionally Significant Facilities for Purposes of Regional Emissions Analysis (see CFR 93.105.2.c.1.ii)

<u>Background</u>: 40 FR 93.101 defines "regionally significant project" and associated facilities for the purpose of transportation conformity. The federal definition does not specifically include minor arterials. The following definitions and processes will be used by the Wasatch Front Regional Council (WFRC) and Mountainlands Association of Governments (MAG) in consultation with DAQ, UDOT, UTA, FHWA, FTA, and EPA to determine which facilities shall be considered regionally significant for purposes of regional emissions analysis. It is the practice of the MPO to include minor arterials and collectors in the travel model for the purpose of accurately modeling regional VMT and associated vehicle emissions. The inclusion of minor arterials and collectors in the travel model for the purpose of accurately modeling regional VMT and associated vehicle emissions. The inclusion of minor arterials and collectors in the travel model for the purpose of accurately modeling regional VMT and associated vehicle emissions. The inclusion of minor arterials and collectors in the travel model for the purpose of accurately modeling regional VMT and associated vehicle emissions.

- 1. Any new or existing facility with a functional classification of principal arterial or higher on the latest UDOT Functional Classification Map (currently found at <u>http://www.dot.utah.gov/index.php/m=c/tid=1228</u>) shall be considered regionally significant.
- 2. Any fixed guide-way transit service including light rail, commuter rail, or portions of bus rapid transit that involve exclusive right-of-way shall be considered regionally significant.
- 3. As traffic conditions change in the future, the MPO's in consultation with DAQ, UDOT, FHWA, and EPA (and UTA and FTA in cases involving transit facilities) will consider 1) the relative importance of minor arterials serving major activity centers, and 2) the absence of principal arterials in the vicinity to determine if any minor arterials in addition to those listed in Exhibit A should be considered as regionally significant for purposes of regional emissions analysis.

Exhibit A Minor Arterials Determined to be Regionally Significant for Purposes of Regional Emissions Analysis

In consultation with DAQ, UDOT, FHWA, and EPA; and based on inspection and engineering judgment of current traffic conditions; and based on application of the "Process for Determining Regionally Significant Facilities for Purposes of Regional Emissions Analysis" agreed upon by the aforementioned agencies; the WFRC and MAG designate the following minor arterials as regionally significant.

Salt Lake County

300 West/Beck Street: 600 South to I-15 U-111: SR-201 to New Bingham Highway New Bingham Highway: U-111 to 9000 South

Davis County

Syracuse Road: I-15 west to Antelope Island SR-108 (2000 West): Syracuse Road to Weber County line

Weber County

SR-108 (3500 West): Davis County line to Midland Drive SR-108 (Midland Drive): 3500 West to Hinckley Drive SR-79 (Hinckley Drive): SR-108 to I-15

Utah County

Redwood Road: Salt Lake County line to Highway-73

Process for Determining Significant Change in Design Concept and Scope for Purposes of Regional Emissions Analysis (see CFR 93.105.2.c.1.ii)

Changes to regionally significant projects may or may not necessitate a new regional emissions analysis. The following definitions and processes will be used to determine what changes to project concept and scope are to be considered significant or not for purposes of regional emissions analysis.

- 1. Adding or extending freeway auxiliary lanes or weaving lanes between interchanges is not considered a significant change in concept and scope since these lanes are not normally included in the travel model.
- 2. Adding or extending freeway auxiliary/weaving lanes from one interchange to a point beyond the next interchange is considered a significant change in concept and scope.
- 3. A change to a regionally significant project defined in the Regional Transportation Plan that does not change how the project is defined in the travel model is not considered a significant change in concept and scope. These changes include but are not limited to lane or shoulder widening, cross section (other than the number of through lanes), alignment, interchange configuration, intersection traffic control, turn lanes, continuous or center turn lanes, and storage lanes.
- 4. A change to a regionally significant project defined in the Regional Transportation Plan that does alter the number of through lanes, lane capacity, or speed classification as defined in the travel model is considered a significant change in concept and scope.
- 5. Advancing or delaying the planned implementation of a regionally significant project that does not result in a change in the transportation network described in the travel model for any horizon year (as defined in CFR 93.101) is not considered a significant change in concept and scope.
- 6. Advancing or delaying the planned implementation of a regionally significant project that does result in a change in the transportation network described in the travel model for any horizon year (as defined in CFR 93.101) is considered a significant change in concept and scope.
- 7. Project changes not addressed in the above statements will be decided on a case by case basis through consultation by representatives from DAQ, WFRC, MAG, UDOT, UTA, FHWA, FTA, and EPA.

Appendix-2

Highway and Transit Projects 2040 RTP

Salt Lake and Ogden Areas

2040 RTP HIGHWAY PROJECTS LIST

ID#	PROJECT	DESCRI	PHASE	
Salt L	ake County, East-West Facilities			
S-1	Sports Complex Boulevard (2400 North)	New Construction: 0 to 2 lanes	COL / 0.5 miles / Local	1
S-2	I-215 East Frontage Road to Redwood Road 700 South / 500 South	ROW: 2007 - 0 ft / 2040 - 66 ft Widening: 2 to 4 lanes	Bike Class: None COL / 3.6 miles / Local	3
	5600 West to 2700 West California Avenue	ROW: 2007 - 50 ft / 2040 - 99 ft Widening: 2 to 4 lanes	Bike Class: 2 MA / 1 miles / Local	
S-3	Mountain View Corridor to 4800 West	ROW: 2007 - 110 ft / 2040 - 110 ft	Bike Class: Priority 2	3
S-4	I-80 1300 East to I-215 (East)	Widening: 6 to 8 lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 3.5 miles / UDOT Bike Class: Priority 1	2
S-5	I-215 (East) to Summit County Line	Widening: 3 EB to 4 EB lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 11 miles / UDOT Bike Class: 3	3
S-6	2100 South	Operational	MA / 2.7 miles / Local	1
	I-15 to 1300 East SR-201	Widening: 4 to 6 lanes	Bike Class: 2 FWY / 6.6 miles / UDOT	3
S-7	I-80 (West) to SR-111 Bypass	ROW: 2007 - 300 ft / 2040 - 300 ft Widening: 4 to 6 lanes	Bike Class: Priority 1 FWY / 4 miles / UDOT	-
S-8	SR-111 Bypass to Mountain View Corridor	ROW: 2007 - 300 ft / 2040 - 300 ft	Bike Class: Priority 1	2
S-9	SR-201 Mountain View Corridor to I-15	Widening: 6 to 6+HOT lanes ROW: 2007 - 300 ft / 2040 - 300 ft	FWY / 7 miles / UDOT Bike Class: None	2
S-10	Parkway Boulevard (2700 South) 7200 West to 5600 West	Widening: 2 to 4 lanes ROW: 2007 - 80 ft / 2040 - 86 ft	COL / 2 miles / Local Bike Class: 2	3
S-11	3300 South / 3500 South	Operational	PA / 2.7 miles / UDOT	1
	I-215 (West) to Highland Drive 3500 South	Widening: 2 to 4 lanes	Bike Class: 1, 2, and None PA / 1.3 miles / Local	
S-12	SR-111 Bypass to 7200 West	ROW: 2007 - 66 ft / 2040 - 110 ft	Bike Class: 2 and 3	3
S-13	3500 South 7200 West to Mountain View Corridor	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	PA / 1.7 miles / Local Bike Class: None	2
S-14	3500 South Mountain View Corridor to 4000 West	Widening: 2/4 to 6 lanes ROW: 2007 - 80 ft / 2040 - 113 ft	PA / 2.3 miles / UDOT Bike Class: None	1
S-15	4100 South	Widening: 2 to 4 lanes	MA / 4.3 miles / Local	3
S-16	SR-111 to Mountain View Corridor 4700 South	ROW: 2007 - 76 ft / 2040 - 99 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 PA / 2.3 miles / Local	2
	6400 West to 4000 West 4700 South	ROW: 2007 - 80 ft / 2040 - 110 ft Widening: 4 to 6 lanes	Bike Class: 2 PA / 1.5 miles / Local	
S-17	4000 West to 2700 West	ROW: 2007 - 110 ft / 2040 - 110 ft	Bike Class: 3	1
S-18	4500 South / 4700 South Redwood Road to I-15	Widening: 4 to 6 lanes ROW: 2007 - 150 ft / 2040 - 150 ft	PA / 2 miles / UDOT Bike Class: 3 and None	3
S-19	4500 South 900 East to 2300 East	Widening: 2 to 4 lanes ROW: 2007 - 80 ft / 2040 - 110 ft	PA / 2.2 miles / UDOT Bike Class: 2 and 3	3
S-20	5400 South	Widening: 2 to 4 lanes	MA / 2.4 miles / UDOT	2
	SR-111 to Mountain View Corridor 5400 South	ROW: 2007 - 70 ft / 2040 – 99 ft Widening: 4 to 6 lanes	Bike Class: Priority 2 MA / 2.4 miles / UDOT	
S-21	SR-111 to Mountain View Corridor 5400 South	ROW: 2007 - 70 ft / 2040 - 123 ft Widening: 4 to 6 lanes	Bike Class: Priority 2 MA / 2.5 miles / UDOT	3
S-22	Mountain View Corridor to Bangerter Highway	ROW: 2007 - 65 ft / 2040 - 110 ft	Bike Class: Priority 2 and 3	1
S-23	5400 South 5600 West to Bangerter Highway	Operational	MA / 2.3 miles / UDOT Bike Class: Priority 2 and 3	1
S-24	5400 South	Operational	MA / 2 miles / UDOT	1
S-25	Redwood Road to I-15 6200 South	New Construction: 0 to 4 lanes	Bike Class: Priority 3 and None MA / 1.6 miles / Local	1
	SR-111 to Mountain View Corridor 6200 South	ROW: 2007 - 0 ft / 2040 - 110 ft Widening/NC: 2/0 to 4	Bike Class: 1 and 2 MA / 0.3 miles / Local	
S-27	Mountain View Corridor to 5600 West	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 2	1
S-28	7000 South Bangerter Highway to Redwood Road	Widening: 3 to 4 lanes ROW: 2007 - 56 ft / 2040 - 99 ft	MA / 1.9 miles / Local Bike Class: 2	2
S-29	7000 South / 7200 South Redwood Road to Bingham Junction Boulevard	Widening: 4 to 6 lanes ROW: 2007 - 90 ft / 2040 - 123 ft	MA / 2 miles / UDOT Bike Class: 1 and 2	3
S-30	7000 South / 7200 South	Widening: 4 to 6 lanes	MA / 0.6 miles / UDOT	1
S-31	Bingham Junction Boulevard to I-15 Fort Union Boulevard	ROW: 2007 - 90 ft / 2040 - 123 ft Operational	Bike Class: 1 MA / 2.8 miles / Local	1
	Union Park Boulevard to 3000 East 7800 South	Widening: 2 to 4 lanes	Bike Class: 2 MA / 3.7 miles / Local	
S-32	SR-111 to New Bingham Highway	ROW: 2007 - 66 ft / 2040 - 120 ft	Bike Class: Priority 2	1
S-34	9000 South SR-111 to 5600 West	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 110 ft	PA / 1.7 miles / Local Bike Class: 2	1
S-35	9000 South 5600 West to Bangerter Highway	Widening: 4 to 6 lanes ROW: 2007 - 106 ft / 2040 - 123 ft	PA / 2.5 miles / UDOT Bike Class: 2	3
S-36	9000 South	Widening: 4 to 6 lanes	PA / 4 miles / UDOT	2
	Bangerter Highway to I-15 10200 South	ROW: 2007 - 106 ft / 2040 - 123 ft Widening: 2 to 4 lanes	Bike Class: 1 and 2 COL / 2.6 miles / Local	
S-37	SR-111 to Mountain View Corridor 10400 South / 10800 South	ROW: 2007 - 82 ft / 2040 - 110 ft New Construction: 0 to 4 lanes	Bike Class: 2 MA / 2 miles / Local	1
S-38	SR-111 to Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: None	2
S-39	10400 South / 10800 South Mountain View Corridor to 4800 West	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 110 ft	MA / 1.2 miles / Local Bike Class: 1 and None	1
S-40	10600 South / 10400 South Bangerter Highway to I-15	Operational	MA / 4.2 miles / UDOT Bike Class: 2 and None	1
S-41	10600 South	Widening: 2 to 4 lanes	MA / 0.9 miles / Local	1
0.41	1300 East to Highland Drive	ROW: 2007 - 86 ft / 2040 - 86 ft	Bike Class: 1	

ID#	PROJECT	DESCRIPTION		
S-42	11800 South	Widening: 2 to 4 lanes	MA / 2.4 miles / Local	2
5-42	SR-111 to 5600 West	ROW: 2007 - 66 ft / 2040 - 99 ft	Bike Class: Priority 2	2
S-43	11400 South 11800 South / 5600 West to Valdania Street (5200 West)	Widening: 2 to 4 lanes ROW: 2007 - 80 ft / 2040 - 110 ft	MA / 1 miles / Local Bike Class: Priority 2	1
a	11400 South	Widening: 2 to 4 lanes	MA / 1.2 miles / Local	
S-45	1300 East to Highland Drive	ROW: 2007 - 80 ft / 2040 - 99 ft	Bike Class: Priority 3 and None	3
S-46	Herriman Parkway (12600 South)	New Construction: 0 to 4 lanes	PA / 1.5 miles / Local	3
	8000 West to 6000 West 12600 South	ROW: 2007 - 0 ft / 2040 - 110 ft Widening: 4 to 6 lanes	Bike Class: 1 or 2 PA / 1.6 miles / Local	
S-47	Mountain View Corridor to Bangerter Highway	ROW: 2007 - 106 ft / 2040 - 123 ft	Bike Class: Priority 2	2
S-48	12300 South / 12600 South	Widening: 4 to 6 lanes	PA / 2 miles / UDOT	2
	Redwood Road to 700 East Riverton Boulevard	ROW: 2007 - 106 ft / 2040 - 123 ft New Construction: 0 to 4 lanes	Bike Class: Priority 2 COL / 0.6 miles / Local	
S-49	4570 West to 13400 South	ROW: 2007 - 0 ft / 2040 - 89 ft	Bike Class: None	1
S-50	13400 South	Widening/NC: 2 to 4 lanes	COL / 3 miles / Local	3
0.00	8000 West to Mountain View Corridor 13400 South	ROW: 2007 - 66 ft / 2040 - 110 ft Widening: 4 to 6 lanes	Bike Class: 2 and 3 COL / 1.7 miles / Local	
S-51	Mountain View Corridor to Bangerter Highway	ROW: 2007 - 66 ft / 2040 - 106 ft	Bike Class: 2	1
S-52	Juniper Crest	New Construction: 0 to 6 lanes	MA / 1 miles / Local	1
0-52	4800 West to Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 2	
S-53	Juniper Crest / 14400 South Mountain View Corridor to 3600 West	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 0.9 miles / Local Bike Class: Priority 2 and 3	1
S-54	Traverse Ridge Road	Widening: 2 to 4 lanes	COL / 1.3 miles / Local	
S-54	Highland Drive to Mike Weir Drive	ROW: 2007 - 89 ft / 2040 - 99 ft	Bike Class: 2	3
S-55	Porter Rockwell Road Redwood Road to 14600 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 167 ft	PA / 3 miles / Local Bike Class: Priority 1 and 2	1
Salt		1 NOW. 2007 - 0 IL/ 2040 - 107 IL	Dire Class. FIIUlity 1 200 2	1
Salt L	ake County, North-South Facilities			1
S-56	SR-111 Bypass SR-201 to SR-111	Widening/NC: 0/2 to 4 lanes ROW: 2007 - 55 ft / 2040 - 150 ft	PA / 2.5 miles / UDOT Bike Class: 1 and None	3
0.67	SR-2010 SR-111	Widening: 2 to 4 lanes	PA / 8.5 miles /Local-UDOT	
S-57	5400 South to 11800 South	ROW: 2007 - 106 ft / 2040 - 106 ft	Bike Class: Priority 2	2
S-58	8000 West	New Construction: 0 to 4 lanes	COL / 1.8 miles / Local	3
	11800 South to 13400 South 7200 West	ROW: 2007 - 0 ft / 2040 - 106 ft Widening: 2 to 4 lanes	Bike Class: None MA / 2.5 miles / Local	
S-59	SR-201 to 3500 South	ROW: 2007 - 66 ft / 2040 - 86 ft	Bike Class: 3	1
S-61	Mountain View Corridor	New Construction: 0 to 4 lanes	PA / 3 miles / UDOT	1
3-01	SR-201 to 4100 South	ROW: 2007 - 0 ft / 2040 - 328 ft	Bike Class: Priority 1 & None	· ·
S-62	Mountain View Corridor 4100 South to 5400 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 328 ft	PA / 2.2 miles / UDOT Bike Class: Priority 1	1
0.00	Mountain View Corridor	New Construction: 0 to 4 lanes	PA / 14.4 miles / UDOT	
S-63	5400 South to Redwood Road	ROW: 2007 - 0 ft / 2040 - 328 ft	Bike Class: Priority 1 & None	1
S-64	Mountain View Corridor Redwood Road to Utah County Line	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 328 ft	PA / 2.9 miles / UDOT Bike Class: Priority 1	2
	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 3 miles / UDOT	-
S-66	SR-201 to 4100 South	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: Priority 1 &None	2
S-67	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 2.2 miles / UDOT	2
	4100 South to 5400 South Mountain View Corridor	ROW: 2007 - 328 ft / 2040 - 328 ft Widening & Interchanges: 4 to 6 lanes	Bike Class: Priority 1 FWY / 4.5 miles / UDOT	
S-68	5400 South to 9000 South	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: Priority 1 and None	2
S-69	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 1.5 miles / UDOT	3
3-09	9000 South to 10200 South	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: Priority 1 and None	
S-70	Mountain View Corridor 10200 South to Redwood Road	New Construction & Ints: 0 to 6 lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 8.4 miles / UDOT Bike Class: Priority 1 & None	3
0.74	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 2.9 miles / UDOT	
S-71	Redwood Road to Utah County Line	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: None	2
S-72	Mountain View Corridor	Widening: 6 to 6+HOV lanes	FWY / 22.5 miles / UDOT Bike Class: Brierity 1.8 None	3
	SR-201 to Utah County Line 5600 West	ROW: 2007 - 328 ft / 2040 - 328 ft Widening: 2 to 4 lanes	Bike Class: Priority 1 & None MA / 3.1 miles / UDOT	<u> </u> .
S-73	I-80 to SR-201	ROW: 2007 - 86 ft / 2040 - 120 ft	Bike Class: Priority 2	1
S-74	5600 West	Operational	PA / 5 miles / Local-UDOT	1
	2700 South to 6200 South 5600 West	Widen/ NC: 0/2 to 4 lanes	Bike Class: 2 MA / 3.1 miles / Local	
S-75	6200 South to New Bingham Highway	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 2	1
S-76	5600 West	Operational	MA / 3.1 miles / Local	2
0-10	6200 South to New Bingham Highway	Mislaria e O (c. 4 la	Bike Class: 2	-
S-77	5600 West New Bingham Highway to Old Bingham Highway	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	COL / 1.5 miles / Local Bike Class: 2	2
C 70	5600 West	New Construction: 0 to 4 lanes	COL / 1.7 miles / Local	
S-78	Old Bingham Highway to 10400 South / 10800 South	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: None	1
S-79	5600 West 11800 South to 13100 South	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 3.2 miles / Local Bike Class: 2	1
	5600 West Connection	New Construction: 0 to 2 lanes	COL / 0.7 miles / Local	· .
S-80	5600 West to 11800 South	ROW: 2007 - 0 ft / 2040 - 66 ft	Bike Class: 2 and None	1
S-81	4800 West	New Construction: 0 to 2 lanes	COL / 0.9 miles / Local	2
	SR-201 to Lake Park Boulevard (2700 South)	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: Priority 3	-
S-82	4800 West Skye Drive to Mountain View Corridor	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 2.7 miles / Local Bike Class: Priority 2 and None	1
C 02	4570 West	New Construction: 0 to 4 lanes	COL / 1 miles / Local	4
S-83	12600 South to 13400 South	ROW: 2007 - 0 ft / 2040 - 89 ft	Bike Class: None	1
S-84	4200 West / Riverton Boulevard	New Construction: 0 to 4 lanes	COL / 1.5 miles / Local Bike Class: None	1
	13400 South to 14400 South 4150 West	ROW: 2007 - 0 ft / 2040 - 89 ft New Construction: 0 to 2 lanes	Bike Class: None COL / 0.6 miles / Local	
S-85				1

ID#	PROJECT	DESCRIF	PHASE	
S-86	3600 West 13400 South to 14400 South	Widening: 2 to 4 lanes ROW: 2007 - 73 ft / 2040 - 89 ft	COL / 1.3 miles / Local Bike Class: Priority 3	3
S-87	3200 West California Avenue to 1820 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 99 ft	COL / 0.7 miles / Local Bike Class: 2	2
S-88	3200 West 1820 South to Parkway Boulevard (2700 South)	Widening: 2 to 4 lanes ROW: 2007 - 0 ft / 2040 - 110 ft	COL / 1.3 miles / Local Bike Class: 2	2
S-89	I-215 2100 North to I-80	Widening: 6 to 8 lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 3.3 miles / UDOT Bike Class: None	3
S-90	I-215 Frontage Road 2700 South to 4100 South	New Construction: 0 to 1 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 2.1 miles / Local Bike Class: None	1
S-91	Redwood Road I-215 (North) to 1000 North	Widening: 2 to 4 lanes ROW: 2007 - 110 ft / 2040 - 110 ft	MA / 3 miles / UDOT Bike Class: 2	3
S-92	Redwood Road SR-201 to 4700 South	Operational	PA / 3.9 miles / UDOT Bike Class: 1, 2, and None	1
S-93	Redwood Road 9000 South to Bangerter Highway	Widening: 4 to 6 lanes ROW: 2007 - 66 ft / 2040 - 123 ft	PA / 6 miles / UDOT Bike Class: Priority 2 and None	3
S-94	Redwood Road 9000 South to 11400 South	Operational	PA / 3 miles / UDOT Bike Class: Priority 2 and None	1
S-95	Redwood Road 12600 South to Bangerter Highway	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	PA / 1.5 miles / UDOT Bike Class: Priority 2	1
S-96	Redwood Road Bangerter Highway to Porter Rockwell Road	Widening: 4 to 6 lanes ROW: 2007 - 106 ft / 2040 - 123 ft	PA / 2.7 miles / UDOT Bike Class: Priority 2	3
S-97	1200 West 3100 South to 3300 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 0.5 miles / Local Bike Class: 3	1
S-98	Bingham Junction Boulevard 7800 South to 8400 South	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	MA / 2.8 miles / Local Bike Class: 2	1
S-99	Galena Park Boulevard 12300 South to 13490 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 89 ft	COL / 1.8 miles / Local Bike Class: 1 and 3	1
S-100	Lone Peak Parkway 11400 South to 12300 South	Widening: 2 to 4 lanes ROW: 2007 - 65 ft / 2040 - 99 ft	COL / 1.2 miles / Local Bike Class: 2	3
S-101	Lone Peak Parkway 12300 South to Bangerter Highway	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 99 ft	COL / 2 miles / Local Bike Class: 2	1
S-103	Interview of the second	Collector/Distributor: 0 to 1 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 0.7 miles / Local Bike Class: None	2
S-104	I 150 First Provide Codal III	Widening: 7+HOV to 8+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 1.6 miles / UDOT Bike Class: None	1
S-105	In the second se	Widening: 6/7+HOV to 8+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 3.9 miles / UDOT Bike Class: None	1
S-106	In the second se	Widening: 8+HOV to 10+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 3.9 miles / UDOT Bike Class: None	2
S-107	Cottonwood Street 4500 South to Vine Street	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 89 ft	COL / 0.9 miles / Local Bike Class: None	2
S-108	State Street 600 South to I-215	Operational	MA / 8.6 miles / UDOT Bike Class: None	2
S-109	State Street I-215 to 12300 South	Operational	MA / 7.2 miles / UDOT Bike Class: None	1
S-110	State Street 6200 South to 9000 South	Widening: 4 to 6 lanes ROW: 2007 - 100 ft / 2040 - 110 ft	MA / 3.3 miles / UDOT Bike Class: None	1
S-111	900 East 3300 South to 4500 South	Operational	COL / 1.7 miles / Local Bike Class: Priority 2	1
S-112	900 East / 700 East Fort Union Boulevard to 9400 South	Widening: 4 to 6 lanes ROW: 2007 - 106 ft / 2040 - 123 ft	PA / 3 miles / UDOT Bike Class: Priority 2 and 3	3
S-113	700 East 11400 South to 12300 South	Widening: 2 to 4 lanes ROW: 2007 - 80 ft / 2040 - 110 ft	PA / 1.2 miles / UDOT Bike Class: Priority 2	1
S-114	Union Park Boulevard / 1300 East Fort Union Boulevard to 7800 South	Operational	MA / 1.2 miles / Local Bike Class: 1 and None	1
S-115	Highland Drive Murray Holladay Boulevard to Van Winkle Expressway	Operational	PA / 2 miles / Local Bike Class: None	2
S-116	2000 East Fort Union Boulevard to 9400 South	Widening: 4 to 6 lanes ROW: 2007 - 106 ft / 2040 - 123 ft	PA / 3.1 miles / Local Bike Class: Priority 2	3
S-117	Highland Drive 9400 South to 9800 South	Widening: 2 to 4 lanes ROW: 2007 - 106 ft / 2040 - 114 ft	PA / 0.5 miles / Local Bike Class: Priority 2	2
S-118	Highland Drive 9800 South to Draper City Limit	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 114 ft	PA / 2.8 miles / Local Bike Class: Priority 2	3
S-119	Highland Drive Draper City Limit to 14600 South	Widening: 2 to 4 lanes ROW: 2007 - 106 ft / 2040 - 114 ft	PA/MA / 5.8 miles / Local Bike Class: Priority 2	3
S-120	Highland Drive Connection Traverse Ridge Road to 13800 South	Widening: 2 to 4 lanes ROW: 2007 - 106 ft / 2040 - 114 ft	PA / 1.8 miles / Local Bike Class: 2 and None	3
S-121	500 South / Foothill Drive 1300 East to 2300 East	Operational	PA / 2.4 miles / UDOT Bike Class: 2 and 3	1
S-122	Foothill Boulevard 2300 East to I-80	Widening: 4 to 6 lanes ROW: 2007 - 110 ft / 2040 - 110 ft	PA / 2.4 miles / UDOT Bike Class: Priority 1 and 2	3
Salt L	ake County, Spot Facilities			
S-123	SR-201 Interchange @ I-80	Upgrade	FWY / UDOT Bike Class: Priority 2	2
S-124	SR-201 Interchange @ SR-111 Bypass	New Construction	FWY / UDOT Bike Class: Priority 3	3
S-125	SR-201 Interchange @ 8400 West	New Construction	FWY / UDOT Bike Class: Priority 3	2
S-126	SR-201 Interchange @ 7200 West	New Construction	FWY / UDOT Bike Class: Priority 3	2
S-127	SR-201 Interchange @ I-215	Upgrade	FWY / UDOT Bike Class: None	3

ID#	PROJECT	DESCR	IPTION	PHASE
S-128	SR-111 Rail Road Structure	Widening: 2 to 4 lanes	PA / UDOT	1
S-130	@ 4300 South 5600 West Rail Road Crossing	New Construction: 2 to 4 lanes	Bike Class: Priority 2 PA / UDOT	1
	@ 750 South 4800 West Overpass	New Construction: 0 to 2 lanes	Bike Class: Priority 2 COL / Local	
S-131	@ SR-201		Bike Class: Priority 3	2
S-133	Bangerter Highway Interchange @ SR-201	Upgrade	FWY / UDOT Bike Class: None	3
S-140	Bangerter Highway Interchange @ 6200 South	New Construction	FWY / UDOT Bike Class: 2	3
S-141	Bangerter Highway Interchange @ 7000 South	New Construction	FWY / UDOT	3
S-142	Bangerter Highway Interchange	New Construction	Bike Class: 2 FWY / UDOT	1
-	@ 7800 South Bangerter Highway Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT	
S-143	@ 9000 South Bangerter Highway Interchange	New Construction	Bike Class: 2 FWY / UDOT	3
S-144	@ 9800 South		Bike Class: Priority 2	3
S-145	Bangerter Highway Interchange @ 10400 South	New Construction	FWY / UDOT Bike Class: 2	3
S-146	Bangerter Highway Interchange @ 11400 South	New Construction	FWY / UDOT Bike Class: Priority 2	3
S-147	Bangerter Highway Interchange	New Construction	FWY / UDOT	3
-	@ 12600 South Bangerter Highway Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT	2
S-148	@ 13400 South Bangerter Highway Interchange	New Construction	Bike Class: 2 FWY / UDOT	
S-149	@ 2700 West		Bike Class: None	3
S-150	Bangerter Highway Interchange @ Redwood Road	New Construction	FWY / UDOT Bike Class: Priority 2	3
S-151	Bangerter Highway Interchange @ 600 West	New Construction	FWY / UDOT Bike Class: None	1
S-152	Bangerter Highway Interchange	Upgrade	FWY / UDOT	2
	@ I-15 I-215 Interchange	New Construction	Bike Class: None FWY / UDOT	3
S-154	@ 5400 South I-215 Interchange	Upgrade	Bike Class: Priority 3 FWY / UDOT	
S-155	@ Redwood Road (South)		Bike Class: None	3
S-156	I-15 Interchange @ 100 South (HOV Ramps)	New Construction: 0 to 2 lanes	FWY / UDOT Bike Class: None	3
S-157	I-15 Interchange @ I-215 (South)	Upgrade	FWY / UDOT Bike Class: None	3
S-158	13800 South Overpass	New Construction: 0 to 2 lanes	COL / Local	3
S-160	@ I-15 Interchange	Upgrade	Bike Class: Priority 2 FWY / UDOT	2
	@ 14600 South I-80 Interchange	Upgrade	Bike Class: Priority 2 FWY UDOT	
S-161	@ I-215 / Foothill Drive		Bike Class: 3	2
S-163	Avalanche Snow Shed Little Cottonwood Canyon Road @ Whitepine Chutes	New Construction	MA UDOT Bike Class: 2	3
Davis	County, East-West Facilities			
D-1	1800 North West Davis Corridor to 2000 West	Widening: 2 to 4 lanes ROW: 2007 - 80 ft / 2040 - 99 ft	MA / 2 miles / UDOT Bike Class: Priority 2	2
D-2	1800 North	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	MA / 2 miles / UDOT Bike Class: Priority 2	1
D-3	2000 West to SR-126 SR-193 Extension	New Construction: 0 to 4 lanes	MA / 2.2 miles / UDOT	2
	West Davis Corridor to 2000 West SR-193 Extension	ROW: 2007 - 0 ft / 2040 - 110 ft New Construction: 0 to 4 lanes	Bike Class: Priority 2 MA / 2.9 miles / UDOT	
D-4	2000 West to State Street	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: Priority 2	1
D-6	SR-193 I-15 to US-89	Operational	MA / 5 miles / UDOT Bike Class: Priority 2	1
D-7	Syracuse Road (SR-127) West Davis Corridor to 2000 West	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	MA / 1 miles / UDOT Bike Class: Priority 2	1
D-8	Antelope Drive Oak Forest Drive (2500 East) to US-89	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	MA / 0.3 miles / Local Bike Class: Priority 2	1
D-9	Gordon Avenue (1000 North)	Widening: 2 to 4 lanes	COL / 0.7 miles / Local	2
	Fairfield Road to 1600 East Gordon Avenue (1000 North)	ROW: 2007 - 66 ft / 2040 - 86 ft New Construction: 0 to 4 lanes	Bike Class: None COL / 1.3 miles / Local	
D-10	1600 East to US-89 Hill Field Road Extension	ROW: 2007 - 0 ft / 2040 - 86 ft Widening: 2 to 4 lanes	Bike Class: None MA / 1.5 miles / Local	2
D-11	3650 West (Layton) to 2200 West (Layton)	ROW: 2007 - 60 ft / 2040 - 110 ft	Bike Class: 2	3
D-12	Layton Parkway West Davis Corridor to Flint Street	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	MA / 2.6 miles / Local Bike Class: None	1
D-13	200 North (Kaysville) West Davis Corridor to I-15	Widening: 2 to 4 lanes ROW: 2007 - 60 ft / 2040 - 99 ft	MA / 2.1 miles / Local Bike Class: Priority 2	3
D-14	2600 South / 1100 North	Operational	MA / 1.4 miles / Local	1
	Redwood Road to I-15 Center Street	Operational	Bike Class: Priority 2 COL / 1.1 miles / Local	
D-15	Redwood Road to US-89		Bike Class: Priority 1	1
Davis	County, North-South Facilities			

ID#	PROJECT	DESCRI	DESCRIPTION			
D-17	West Davis Corridor	New Construction: 0 to 4 lanes	FWY / 11.8 miles / UDOT	1		
D-18	Syracuse Road to I-15 / US-89 / Legacy Parkway West Davis Corridor	ROW: 2007 - 0 ft / 2040 - 320 ft Corridor Preservation	Bike Class: Priority 1 FWY / 4.8 miles / UDOT	1		
D-19	3000 West	Weber County Line to Syracuse Road ROW: 2007 - 0 ft / 2040 - 320 ft Bike Class: Priority 1 00 West New Construction: 0 to 2 lanes COL / 0.5 miles / Local				
	6000 South (Weber County) to 2300 North 2000 West (SR-108)	ROW: 2007 - 0 ft / 2040 - 75 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 MA / 4.4 miles / UDOT	1		
D-20	Weber County Line to Syracuse Road (SR-108)	ROW: 2007 - 66 ft / 2040 - 110 ft	Bike Class: Priority 2	1		
D-21	2000 West Syracuse Road (SR-108) to West Davis Corridor	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	COL / 1.5 miles / Local Bike Class: Priority 2	3		
D-22	3650 West (Layton) 700 North to Gentile Street	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 0.7 miles / Local Bike Class: None	3		
D-23	2700 West (Layton)	New Construction: 0 to 4 lanes	COL / 1.8 miles / Local Bike Class: 2	3		
D-24	Gordon Avenue to Layton Parkway Redwood Road	ROW: 2007 - 0 ft / 2040 - 99 ft Widening: 2 to 4 lanes	MA / 1.7 miles / UDOT	2		
	500 South to 2600 South	ROW: 2007 - 100 ft / 2040 - 110 ft Widening: 6 to 6+HOV lanes	Bike Class: Priority 2 FWY / 6.3 miles / UDOT			
D-25	Weber County Line to Hill Field Road (SR-232)	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: None FWY / 10.6 miles / UDOT	1		
D-26	I-15 US-89 (Farmington) to I-215	Widening: 8 to 8+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: None	1		
D-28	US-89 I-84 to Antelope Drive	Widening: 4 to 6 lanes ROW: 2007 - 120 ft / 2040 - 150 ft	FWY / 3.2 miles / UDOT Bike Class: Priority 2	2		
D-29	US-89 Antelope Drive to I-15 (Farmington)	Widening: 4 to 6 lanes ROW: 2007 - 120 ft / 2040 - 150 ft	FWY / 7.4 miles / UDOT Bike Class: Priority 2	3		
Davis	County, Spot Facilities	ROW: 2007 - 120107 2040 - 15010	Bike Class: Phoney 2			
D-30	1800 North Overpass	New Construction: 2 to 4 lanes	MA / UDOT	1		
	@ 500 West Rail Road Crossing I-15 Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT			
D-31	@ 1800 North		Bike Class: Priority 2	1		
D-32	I-15 Interchange @ 650 North	Upgrade	FWY / UDOT Bike Class: None	3		
D-33	I-15 Interchange @ Syracuse Road	Upgrade	FWY / UDOT Bike Class: Priority 2	3		
D-35	I-15 Interchange @ Hill Field Road	Upgrade	FWY / UDOT	2		
D-36	I-15 Interchange	New Construction	Bike Class: None FWY / UDOT	1		
	@ Shepard Lane	Upgrade	Bike Class: None FWY / UDOT			
D-37	@ Parrish Lane		Bike Class: Priority 2	3		
D-38	e 400 North / 500 West	Upgrade	FWY / UDOT Bike Class: None	3		
D-39	I-15 Interchange @ 500 South	Upgrade	FWY / UDOT Bike Class: Priority 2	3		
D-40	I-15 Interchange @ 2600 South	Upgrade	FWY / UDOT Bike Class: Priority 2	3		
D-41	2600 South / 1100 North	New Construction	MA / Local	2		
D-42	@ 1150 West Rail Road Crossing Legacy Parkway Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT	3		
	@ Center Street US-89 Interchange	New Construction	Bike Class: Priority 1 FWY / UDOT			
D-45	@ Antelope Drive		Bike Class: Priority 2	1		
D-46	US-89 Interchange @ Gordon Avenue	New Construction	FWY / UDOT Bike Class: Priority 2	2		
D-47	US-89 Interchange @ Oakhills Drive (SR-109)	New Construction	FWY / UDOT Bike Class: Priority 2	2		
D-48	US-89 Interchange	New Construction	FWY / UDOT	1		
D-49	@ 400 North (Fruit Heights) Nicholl's Road Overpass	New Construction: 0 to 2 lanes	Bike Class: Priority 2 COL / Local	3		
-	@ US-89	<u> </u>	Bike Class: None			
	er County, East-West Facilities Skyline Drive (North)	New Construction: 0 to 2 lanes	COL / 3.6 miles / Local			
W-1	US-89 to 450 East	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: Priority 3	1		
W-2	Skyline Drive (North) 450 East to 2600 North	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 3.1 miles / Local Bike Class: Priority 3	2		
W-3	1700 North US-89 to 400 East	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 1.2 miles / Local Bike Class: 1	3		
W-4	Larsen Lane	Widening: 2 to 4 lanes	MA / 0.5 miles / Local	3		
W-5	US-89 / Wall Avenue to 400 East Pioneer Road (400 North)	ROW: 2007 - 60 ft / 2040 - 89 ft Re-stripe: 2 to 4 lanes	Bike Class: None COL / 1 miles / Local	1		
	I-15 to 1200 West	ROW: 2007 - 110 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 COL / 2.1 miles / UDOT			
W-6	SR-67 (North Legacy Corridor) to 4700 West	ROW: 2007 - 55 ft / 2040 - 110 ft	Bike Class: Priority 2	3		
W-7	1200 South 4700 West to I-15	Widening: 2 to 4 lanes ROW: 2007 - 92 ft / 2040 - 110 ft	PA / 4.8 miles / UDOT Bike Class: Priority 2	2		
W-8	20th Street Wall Avenue to Harrison Boulevard	Operational	MA / 1.6 miles / Local Bike Class: None	1		
W-9	21st Street	Operational	COL / 0.6 miles / Local	1		
W-10	Wall Avenue to Adams Avenue 24th Street	Widening: 2 to 4 lanes	Bike Class: None MA / 1.6 miles / UDOT	2		
	I-15 to Lincoln Avenue 2550 South	ROW: 2007 - 86 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: Priority 3 COL / 3 miles / Local			
W-11	I-15 to 3500 West	ROW: 2007 - 60 ft / 2040 - 86 ft	Bike Class: Priority 3	3		

ID#	PROJECT	DESCRI		PHASE
W-12	Country Hills Drive Adams Avenue to Gramercy Avenue	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	MA / 1 miles / Local Bike Class: Priority 2	1
W-13	4000 South (SR-37) SR-67 (North Legacy Corridor) to 1900 West (SR-126)	Widening: 2 to 4 lanes ROW: 2007 - 86 ft / 2040 - 110 ft	MA / 3.9 miles / UDOT Bike Class: Priority 3	2
W-14	Midland Drive (SR-108) 3500 West to 1900 West (SR-126)	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	MA / 2.9 miles / UDOT Bike Class: Priority 3	1
W-16	Riverdale Road (SR-26) 1900 West (SR-126) to I-84	Widening: 4 to 6 lanes ROW: 2007 - 99 ft / 2040 - 120 ft	PA / 1 miles / UDOT Bike Class: 3	1
W-17	5600 South / 5500 South 5900 West (Hooper) to 3500 West	Widening: 2 to 4 lanes ROW: 2007 - 68 ft / 2040 - 86 ft	MA / 3.1 miles / UDOT Bike Class: Priority 3	2
W-18	5600 South 3500 West to 1900 West (SR-126)	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	MA / 2 miles / UDOT Bike Class: Priority 2 and 3	2
Webe	r County, North-South Facilities		· · ·	
W-19	SR-67 (North Legacy Corridor) I-15 (North) to 4000 South	Corridor Preservation ROW: 2007 - 0 ft / 2040 - 220 ft	FWY / 15.6 miles / UDOT Bike Class: Priority 1	1
W-20	SR-67 (North Legacy Corridor) 4000 South to Davis County Line	Corridor Preservation ROW: 2007 - 0 ft / 2040 - 220 ft	FWY / 3.3 miles / UDOT Bike Class: Priority 1	1
W-21	SR-67 (North Legacy Corridor) 4000 South to 5500 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 220 ft	FWY / 2.5 miles / UDOT Bike Class: Priority 1	3
W-22	SR-67 (North Legacy Corridor) 5500 South to Davis County Line	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 220 ft	FWY / 0.8 miles / UDOT Bike Class: Priority 1	2
W-23	4700 West 1200 South to 4000 South	Widening: 2 to 4 lanes ROW: 2007 - 82 ft / 2040 - 110 ft	MA / 3.8 miles / Local Bike Class: None	3
W-24	4700 West 4600 South to 4800 South	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 0.3 miles / Local Bike Class: None	1
W-25	3500 West 1200 South to Midland Drive	Operational	COL / 4.6 miles / Local Bike Class: Priority 3	2
W-26	3500 West (SR-108) Midland Drive to Davis County Line	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	MA / 1.6 miles / UDOT Bike Class: Priority 3	1
W-27	1900 West / 2000 West (SR-126) 2700 North to 1200 South	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 120 ft	MA / 4.3 miles / UDOT Bike Class: Priority 3	3
W-28	1900 West (SR-126) Riverdale Road to 5600 South	Widening: 4 to 6 lanes ROW: 2007 - 100 ft / 2040 - 113 ft	MA / 0.4 miles / UDOT Bike Class: Priority 3	1
W-29	I-15 Box Elder County Line to 2700 North	Widening: 4 to 6 lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 2.2 miles / UDOT Bike Class: None	3
W-30	I-84 to Davis County Line	Widening: 6 to 6+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 2.8 miles / UDOT Bike Class: None	1
W-31	600 West Elberta Drive to 2600 North	Operational	COL / 0.9 miles / Local Bike Class: None	2
W-32	Adams Avenue US-89 / Washington Boulevard to Washington Terrace City Limits	Widening: 2 to 4 lanes ROW: 2007 - 86 ft / 2040 - 99 ft	MA / 0.6 miles / Local Bike Class: 2	2
W-33	450 East / 400 East 3300 North to 2600 North	Widening: 2 to 4 lanes ROW: 2007 - 68 ft / 2040 - 89 ft	COL / 0.8 miles / Local Bike Class: 3	1
W-34	Monroe Boulevard 3100 North to 1300 North	New Construction: 0 to 2/4 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	MA / 2.3 miles / Local Bike Class: 3 and None	3
W-35	Harrison Boulevard 2600 North to 12th Street	Operational	PA / 3.8 miles / Local Bike Class: Priority 3	2
W-36	Harrison Boulevard 12th Street to Country Hills Drive	Operational	PA / 4.7 miles / UDOT Bike Class: Priority 2 & None	1
W-37	Harrison Boulevard Country Hills Drive to US-89	Widening: 4 to 6 lanes ROW: 2007 - 99 ft / 2040 - 123 ft	PA / 4.8 miles / UDOT Bike Class: Priority 2	3
W-38	US-89 Harrison Boulevard to I-84	Widening: 4 to 6 lanes ROW: 2007 - 120 ft / 2040 - 120 ft	FWY / 2 miles / UDOT Bike Class: Priority 2	2
W-39	Skyline Drive 1. Fern Drive / 2. Ogden City Limits to 1. 4600 South / 2. Eastwood Boulevard	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 80 ft	COL / 0.6 miles / Local Bike Class: Priority 3	1
Webe	r County, Spot Facilities	1 		1
W-41	I-15 Interchange @ 24th Street	Upgrade	FWY / UDOT Bike Class: Priority 3	2
W-42		Upgrade	FWY / UDOT Bike Class: 3	1
W-43	Product (SR-26) I-15 Interchange @ 5600 South	Upgrade	FWY / UDOT Bike Class: 2	3
	US-89 Interchange	Upgrade	FWY / UDOT	3

2040 RTP TRANSIT PROJECT LIST

PROJECT	TION		
Needed Mode	Funded Mode	From	То
Phase 1			
North Ogden - Salt I	_ake (First of Three Pl	nases)	
North Ogden - Ogden Inter FrontRunner Station - Farr Central - Downtown Salt L	mington FrontRunner Station	- Newgate Mall - Riverdale - Clearfield - Centerville - Bountiful - Woods Cross	- Hill Air Force Base - Layton – North Salt Lake - Salt Lake
Bus Rapid Transit	Corridor Preservation	4400 S. (Roy)	Davis County Line
Bus Rapid Transit	Corridor Preservation	Davis County Line	651 N./SR-126
Bus Rapid Transit	Bus Rapid Transit	HAFB West Gate	200 N./SR-126
Bus Rapid Transit	Enhanced Bus (BRTI)	200 N./SR-126	Clearfield FrontRunner
Rail/Bus Rapid Transit	Enhanced Bus (BRTI)	Main St/Parrish Lane	3800 S. Bountiful/US-89
Rail/Bus Rapid Transit	Bus Rapid Transit	3800 S. Bountiful/US-89	US-89/Eagleridge Dr
Ogden - Weber State	e University (First of 1	「wo Phases)	
Oaden Intermodal Center	- Oaden - South Oaden - We	ber State University - McKay Dee Hosp	ital
Streetcar	Enhanced Bus (BRTI)	Ogden Intermodal Center	Washington/27th St
Streetcar	Bus Rapid Transit	Washington/27th St	Washington/36th St
Streetcar	Enhanced Bus (BRTI)	Washington/36th St	Harrison Boulevard/Edvalson
Streetcar	Bus Rapid Transit	Harrison Boulevard/Edvalson Ave	McKay-Dee Hospital
West Davis - West V		·	· · · ·
Ogden Intermodal Center		ll - Riverdale - Roy FrontRunner Station n FrontRunner Station	- West Haven - Clinton - West
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	3500 W./Midland Dr	Davis County Line
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Weber County Line	2000 W./Antelope Dr
Ogden Valley Park-/	And-Ride		
Near Pineview Dam			
Park-and -Ride	Park-and-ride	Near Pineview Dam	
	B West Transit Center		
Falcon Hill - Hill AFB West Transit Hub	Transit Hub	New Hill AFB West Gate	
	-1		
		Drive (First of Three Phases)	
		Medical Center - Research Park - Parle n - Little Cottonwood Canyon	y's Canyon - Interstate 215 -
Bus Rapid Transit	Enhanced Bus (BRTI)	Salt Lake Central	Medical Dr./ Research Rd
Bus Rapid Transit	Bus Rapid Transit	Medical Dr./ Research Rd	New Rd at Wakara Way
Bus Rapid Transit	Enhanced Bus (BRTI)	New Rd at Wakara Way	Arapeen Dr/Chipeta Way
Park City			
•			
		dical Center - Foothill - Interstate 80 - Si	
Enhanced Bus (BRTI)	Operations only	Salt Lake Central	Summit County Line
State (First of Three			
FrontRunner Station - Drap	per FrontRunner Station	k - Murray FrontRunner Station - Midval	
Bus Rapid Transit	Enhanced Bus (BRTI)	200 S./State St	State St/Winchester St
Bus Rapid Transit	Enhanced Bus (BRTI)	State St/Winchester St	9000 S.
Bus Rapid Transit	Enhanced Bus (BRTI)	9000 S.	Draper FrontRunner
Redwood (First of T			
		- Airport East Hub - West Valley - Taylo	rsville - West Jordan - South
Jordan - Riverton - Draper			
Bus Rapid Transit	Enhanced Bus (BRTI)	N. Temple/Redwood Rd	SR-201
Bus Rapid Transit	Enhanced Bus (BRTI)	SR-201	4700 S.
Bus Rapid Transit	Enhanced Bus (BRTI)	4700 S.	9000 S.
Bus Rapid Transit	Corridor Preservation	9000 S.	12600 S.
Bus Rapid Transit	Corridor Preservation	12600 S./Redwood Rd	12300 S./Pony Express

PROJECT		LOCA	TION
Needed Mode	Funded Mode	From	То
Draper Line North S	egment		
10000 South TRAX Station	n - 12600 South TRAX Station	1	
Light Rail	Light Rail	10000 S. TRAX Station	12600 S. TRAX
5600 West (First of 1	Two Phases)		
		Airport East Hub - International Cente	r - West Valley - Kearns - West
Jordan - Daybreak Station		· - · · · · · · · · · · · · · · · · · ·	
Rail/Bus Rapid Transit	Corridor Preservation	Salt Lake International Airport	5600 W./2700 S.
Rail/Bus Rapid Transit Rail/Bus Rapid Transit	Bus Rapid Transit Corridor Preservation	5600 W./2700 S. 5600 W./6200 S.	5600 W./6200 S.
·	Comdor Preservation	5600 11.76200 5.	11800 S.
200 South Streetcar			
	own Salt Lake – Harmons Gro		
Streetcar	Streetcar	600 W./200 S.	200 S./200 East
Sugarhouse			
Sugarhouse - South Salt L	ake – North/South TRAX Line)	
Streetcar	Streetcar	2100 S. TRAX	Highland Dr/Sugarmont
3900/3500 South (Fir	rst of Three Phases)		
•	Millcreek - South Salt Lake -	Wast Valley West Penek	
Bus Rapid Transit	Bus Rapid Transit	3500 S./3600 W.	3500 W./6000 W.
	· ·		3300 W./0000 W.
• •	Central Segment (Firs	•	
		sen Research Park - SLCC Redwood	
Bus Rapid Transit	Enhanced Bus (BRTI)	Box Elder St/4800 S.	SLCC Redwood Campus
Taylorsville Murray,	West Valley Extension	n (First of Two Phases)	
Salt Lake Community Colle	ege Redwood Campus - Ame	rican Express - West Valley Intermoda	l Center
Bus Rapid Transit	Enhanced Bus (BRTI)	4500 S./Redwood Rd	W. Valley Intermodal Ctr
West Bench, Daybre	ak Segment		
Daybreak – 8400 West			
Corridor Preservation	Corridor Preservation	Daybreak S. Station	11400 S./8400 W.
Phase 2	1		1
		amanta	
•	ew Frequency Improve	ements	
Downtown Ogden - Pleasa		1	
Commuter Rail	Commuter Rail	Ogden Intermodal Center	Pleasant View FrontRunner
Ogden - Weber State	e University (Second o	of Two Phases)	
Ogden Intermodal Center -	Ogden - South Ogden - Web	per State University - McKay Dee Hosp	ital
Streetcar	Streetcar	Ogden Intermodal Center	Washington/27th St
Streetcar	Streetcar	Washington/27th St	Washington/36th St
Streetcar	Streetcar	Washington/36th St	Harrison/Edvalson Av
Streetcar	Streetcar	Harrison Boulevard/Edvalson Av	McKay-Dee Hospital
North Ogden - Salt L	.ake (Second of Three	Phases)	
		- Newgate Mall - Riverdale - Roy Fron	
		ce Base - Layton FrontRunner Station	
		Salt Lake Central - Downtown Salt La	
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	2700 N./Washington Boulevard	12th St/Washington Boulevard
Bus Rapid Transit	Bus Rapid Transit	12th St/Washington Boulevard	Ogden Intermodal Ctr
Bus Rapid Transit	Enhanced Bus (BRTI)	Washington Boulevard/36th St	4400 S./UP-HAFB ROW
Bus Rapid Transit	Bus Rapid Transit Bus Rapid Transit	4400 S./UP-HAFB ROW	Davis County Line
Bus Rapid Transit Bus Rapid Transit	· · ·	Davis County Line	HAFB West Gate
	Bus Rapid Transit Enhanced Bus (BRTI)	200 N./State St	Clearfield FrontRunner
Bus Rapid Transit Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Clearfield FrontRunner	Farmington FrontRunner Parrish Lane/Main St
Rail/Bus Rapid Transit	Bus Rapid Transit	Farmington FrontRunner 1500 S./Main St	3800 S. Bountiful/US-89
Rail/Bus Rapid Transit	Bus Rapid Transit	US-89/Eagleridge Dr	Salt Lake County Line
Rail/Bus Rapid Transit	Bus Rapid Transit	Salt Lake County Line	Salt Lake Intermodal Center
Hill AFB South Tran	sit Center		

Needed Mode Funded Mode From To Hill AFB South Gate Transit Hub Transit Hub Transit Hub Transit Hub Anteloge Drive Park-And-Ride Anteloge Drive Park-And-Ride Anteloge Drive Park-And-Ride Image Drive Park-And-Ride Anteloge Drive Park-And-Ride Park-and-Ride South Set Southid - West Southid - Woods Cross FrontRumer Station - N. Salt Lake - North Temple - Downtown Salt Lake Enhanced Bus (BRT) Enhanced Bus (BRT) 500 S./Crchard Dr 500 S./Redwood Rd 200 S. Redwood Rd Enhanced Bus (BRT) Enhanced Bus (BRT) 500 S./Redwood Rd 200 S. Redwood Rd Salt Lake Contral - Salt Lake Cliv - University of Ulah - Medical Center - Research Park - Parley's Caryon - Interstate 215 - Cotomvood Caryona Bus Rapid Transit Bus Rapid Transit Salt Lake Central 200 S./200 East Medical Dr./Research Rd Bus Rapid Transit Bus Rapid Transit Salt Lake Central - Salt Control Mode Data (SRT) Anapeen Dr/Chipeta Way Height Parley May Bus Rapid Transit Bus Ra				
Hill AFB South Gate Transit Hub Image Drug Server Ser	PROJECT			
Transit Hub Transit Hub Antelope DrivS Park-And-Ride Antelope DrivS Park-And-Ride Park-and-Ride Park-and-Ride North Redwood (First of Two Phases) East Bountiful - West Bountiful - Woods Cross FrontRunner Station - N. Salt Lake - North Temple - Downtown Salt Lake Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI) Salt Lake Cantral - Salt Lake City - Foothill Drive - Wasatch Drive (Second of Three Phases) Salt Lake Cantral - Salt Lake City - University of Utah - Medical Center - Research Park - Parley's Canyon - Interstate 215 - Cotonwood Canyon - Little Contonwood Canyon - Little Control - Solt Scale Canyon Bus Rapid Transit Bus Rapid Transit Salt Lake Central 200 S./200 East Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit <t< td=""><td></td><td>Funded Mode</td><td>From</td><td>То</td></t<>		Funded Mode	From	То
Antelope Dr/US-89 Park-and -Ride East Bountiful - Weest Bountiful - Woods Cross FrontRunner Staton - N. Salt Lake - North Temple - Downtown Salt Lake Enhanced Bus (BRT) Enhanced Bus (BRT) Enhanced Bus (BRT) Stat Lake City - Foothill Drive - Wasatch Drive (Second of Three Phases) Salt Lake City - Foothill Drive - Wasatch Drive (Second of Three Phases) Salt Lake City - Foothill Drive - Wasatch Drive (Second of Three Phases) Salt Lake City - Foothill Drive - Wasatch Drive (Second of Three Phases) Salt Lake Cantral - Salt Lake Citatine Salt Lake Cantral Bus Rapid Transit Bus Rapid Transit Bus Rapid Tra		1		
Anteloge Dr/US-89 Park-and-Ride Park-and-Ride Park-and-Ride Park-and-Ride South And Redwood (First of Two Phases) East Bountiful - West Bountiful - Woods Cross FrontRunner Station - M. Salt Lake - North Temple - Downtown Salt Lake Sol S / Redwood Rd Enhanced Bus (BRT) Einhanced Bus (BRT) Sol S / Redwood Rd 2000 S. Redwood Rd Enhanced Bus (BRT) Einhanced Bus (BRT) Sol S / Redwood Rd Salt Lake Control - Solt Lake City - University of Utah - Medical Center - Research Park - Parley's Canyon - Interstate 215 - Cotonwood Conyon - Little Control - Solt Canyon Congron E. Solt Lake City - Toothill Drive - Wasatch Drive (Second of Three Phases) Sus Rapid Transit Bus Rapid Transit Salt Lake Cantral 200 S / Zoot East Bus Rapid Transit Bus Rapid Transit Einhanced Bus (BRT) Arapeen Dr/Chipeta Way Bus Rapid Transit Bus Rapid Transit New Rd/Wakrar Way Heidcal Dr/Research Rd Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid		1		
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Salt Lake Cintral - Salt Lake City - University of Utah - Medical Center - Research Park - Parley's Canyon - Interstate 215 - Cottomwood Corgorate Centre - Big Cottomwood Canyon - Utile Canter - Canyon	Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	2600 S. Redwood Rd	Salt Lake County Line
Salt Lake Cintral - Salt Lake City - University of Utah - Medical Center - Research Park - Parley's Canyon - Interstate 215 - Cottomwood Corgorate Centre - Big Cottomwood Canyon - Little Cottom - C	Salt Lake City - Foot	hill Drive - Wasatch D	rive (Second of Three Phases)	
Bus Rapid Transit Bus Rapid Transit Satt Lake Central 200 5/200 East Bus Rapid Transit Bus Rapid Transit 200 East/200 S. Medical Dr/Research Rd Bus Rapid Transit Bus Rapid Transit New Rd/Wakara Way Arapeen Dr/Chipeta Way Bus Rapid Transit Enhanced Bus (BRTI) Arapeen Dr/Chipeta Way I-B0/I-215/Foothill Dr Satta (Second of Three Phases) Enhanced Bus (BRTI) 200 S/300 W. 600 S/State St Interstate 80 Bus Rapid Transit Bus Rapid Transit 600 S/State St Interstate 80 Winchester St Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. 9000 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. 9000 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. 9000 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. 9000 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S. 9000 S. Bus Rapid Transit Bus Rapid Transit SR-201 5400 S.	Salt Lake Central - Salt Lak	ke City - University of Utah - I	Medical Center - Research Park - Parley	
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Bus Rapid Transit 4500 S./Redwood Rd 4400 S./Constitution 5400 South (First of Two Phases) - Taylorsville - Kearns - USANA Amphitheater - West Bench Bus Rapid Transit Enhanced Bus (BRTI) Murray Boulevard/Vine St 5400 S./6400 W. Bus Rapid Transit Bus Rapid Transit 5400 S./6400 W. 5400 S./7200 W.	• •	-		
5400 South (First of Two Phases) Murray FrontRunner Station - Taylorsville - Kearns - USANA Amphitheater - West Bench Bus Rapid Transit Enhanced Bus (BRTI) Murray Boulevard/Vine St 5400 S./6400 W. Bus Rapid Transit Bus Rapid Transit 5400 S./6400 W.	· · · · · · · · · · · · · · · · · · ·			
Murray FrontRunner Station - Taylorsville - Kearns - USANA Amphitheater - West Bench Bus Rapid Transit Enhanced Bus (BRTI) Murray Boulevard/Vine St 5400 S./6400 W. Bus Rapid Transit Bus Rapid Transit 5400 S./6400 W. 5400 S./7200 W.		· · ·	4500 S./Redwood Rd	4400 S./Constitution
Bus Rapid TransitEnhanced Bus (BRTI)Murray Boulevard/Vine St5400 S./6400 W.Bus Rapid TransitBus Rapid Transit5400 S./6400 W.5400 S./7200 W.	5400 South (First of	Two Phases)		
Bus Rapid TransitEnhanced Bus (BRTI)Murray Boulevard/Vine St5400 S./6400 W.Bus Rapid TransitBus Rapid Transit5400 S./6400 W.5400 S./7200 W.	Murray FrontRunner Statio	n - Taylorsville - Kearns - US	ANA Amphitheater - West Bench	
	Bus Rapid Transit	Enhanced Bus (BRTI)	Murray Boulevard/Vine St	5400 S./6400 W.
7000 South/7800 South (First of Two Phases)	Bus Rapid Transit	Bus Rapid Transit	5400 S./6400 W.	5400 S./7200 W.
	7000 South/7800 Sou	uth (First of Two Phas	es)	
Murray FrontRunner Station - Bingham Junction - Jordan Landing - West Bench	Murray FrontRunner Statio	n - Bingham Junction - Jorda	n Landing - West Bench	

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PROJECT		LOCATION				
Needed Mode	Funded Mode	From	То			
Enhanced Bus (BRTI)	Corridor Preservation	State St/7200 S.	Redwood Rd/7000 S.			
Enhanced Bus (BRTI)	Corridor Preservation	Redwood Rd/7000 S.	Bangerter Highway/7000 S.			
12300/12600 South (F	First of Three Phases)					
Draper TRAX Station - Drap		erton - Herriman - Daybreak TRAX Stat	ion			
Bus Rapid Transit	Enhanced Bus (BRTI)	Daybreak S. TRAX	Redwood Rd/12600 S.			
Bus Rapid Transit	Enhanced Bus (BRTI)	700 East	Draper TRAX			
Bus Rapid Transit	Enhanced Bus (BRTI)	700 East	Pony Express Rd			
Bus Rapid Transit	Corridor Preservation	700 East	Pony Express Rd			
Salt Lake Downtown	Bus Transit Center					
200 South ./ State Street						
Transit Hub	Transit Hub	200 S./State St				
East Airport Transit I	Hub					
1950 West Redwood Road	Airport TRAX Line Station					
Transit Hub	Transit Hub	1950 W. Redwood Rd				
Interstate-80 Transit	Only Ramps					
About 900 West / Interstate	980					
Transit Only Ramps	Transit Only Ramps	Near 900 W. and 200 S.				
Phase 3						
Pleasant View – Brig	ham City					
Downtown Ogden - Box Ela	-					
Mode Undetermined	Corridor Preservation	Pleasant View FrontRunner	Box Elder County Line			
	vis (Second of Two P					
		Riverdale - Roy FrontRunner Station -	West Haven - Clinton - West			
	d - Hill Air Force Base - Layto					
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	4400 S./UP-HAFB Rail Line	3500 W./Midland Dr			
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	2000 W./Antelope Dr	Hill Field Rd/Main St.			
Ogden Circulator						
Ogden Intermodal Center -	Downtown Oaden					
Mode Undetermined	Streetcar	25th/Washington	20th/Lincoln			
Mode Undetermined	Streetcar	20th/Lincoln	20th/Washington			
Mode Undetermined	Streetcar	20th/Washington	23rd/Washington			
North Ogden – Salt L	ake (Third of Three Pl.	hases)				
Clinton - West Point - Syrac Centerville - Bountiful - Woo	use - Clearfield - Hill Air Forc ods Cross - North Salt Lake -	Newgate Mall - Riverdale - Roy FrontR e Base - Layton FrontRunner Station - I Salt Lake Central - Downtown Salt Lake	Farmington FrontRunner Station -			
Bus Rapid Transit	Bus Rapid Transit	Washington Boulevard/36th St	4400 S./UP-HAFB ROW			
Bus Rapid Transit	Bus Rapid Transit	Clearfield FrontRunner	Farmington FrontRunner			
North Redwood (Sec	ond of Two Phases)					
		ner Station - North Salt Lake - North Ter	nple - Downtown Salt Lake			
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Davis County Line	N. Temple/Redwood Rd			
	hill Drive - Wasatch Dr					
	e City - University of Utah - N ter - Big Cottonwood Canyon	ledical Center - Research Park - Parley' - Little Cottonwood Canvon	s Canyon - Interstate 215 -			
Bus Rapid Transit	Bus Rapid Transit	Arapeen Dr/Chipeta Way	I-80/I-215/Foothill Dr.			
Bus Rapid Transit	Bus Rapid Transit	I-215 Ramp/3300 S.	I-215 Ramp/3900 S.			
Mode Undetermined	Bus Rapid Transit	6200 S./Interstate 215	Little Cottonwood Canyon			
1300 East (North) Medical Center - University Fashion Place West TRAX	0	reek - Holladay - Murray - Fort Union - (Cottonwood Heights – Midvale -			
Bus Rapid Transit	Enhanced Bus (BRTI)	1300 East/200 S.	Ft Union Boulevard/Union Park			
1300 East (South)						
		Station - Midvale - Fort Union - Cotton	· · ·			
Bus Rapid Transit	Bus Rapid Transit	Ft Union Boulevard/Union Park Av	1000 East Pioneer Rd			
700 East						

PROJECT			ATION
Needed Mode	Funded Mode	From	То
		- Holladay - Cottonwood Heights - Fo	
Bus Rapid Transit	Bus Rapid Transit	200 S./200 East	Highland/Ft Union Boulevard
State (Third of Thre			
Salt Lake Central - Capito	ol - South Salt Lake - Millcreek	- Murray FrontRunner Station - Midva	ale - Sandy/South Jordan
	aper FrontRunner Station		
Bus Rapid Transit	Bus Rapid Transit	9000 S.	Draper FrontRunner
Draper South Segn	nent		
Salt Lake Central - South	Salt Lake - Millcreek - Murray	FrontRunner Station - Midvale - Sand	ly - Draper - Utah County Line
Light Rail	Light Rail	Draper TRAX	14600 S./Interstate 15
₋ight Rail	Light Rail	14600 S./Interstate 15	Utah County Line
Redwood (Third of	Three Phases)		
		- Airport East Hub - West Valley - Tay	lorsville - West Jordan - South
Jordan - Riverton - Drape			
Bus Rapid Transit	Bus Rapid Transit	200 S./600 W.	Transit Ramp to I-80
Bus Rapid Transit	Bus Rapid Transit	I-80/Redwood Rd	East Airport Hub
Bus Rapid Transit Bus Rapid Transit	Bus Rapid Transit Bus Rapid Transit	I-80/Redwood Rd 12600 S./Redwood Rd	SR-201/Redwood Rd 12300S/Pony Exp Rd
•	· · ·		
5600 West (Second		Almont Foot Link July 10	
Downtown Salt Lake - Sa Jordan - Daybreak Statio		- Airport East Hub - International Cent	er - west valley - Kearns - West
Rail/Bus Rapid Transit	Bus Rapid Transit	East Airport Hub	N. Temple/I-80
Rail/Bus Rapid Transit	Bus Rapid Transit	I-80/Wright Brothers Dr	2700 S./5600 W.
Rail/Bus Rapid Transit	Bus Rapid Transit	6200 S./5600 W.	11800 S.
Sugarhouse, Westr			
•	•		
	Igarhouse – South Salt Lake –		
Streetcar	Streetcar	Highland Dr/Sugarmont Dr	1700 S./1100 East
Parkway			
Downtown Salt Lake - Sa	lt Lake Central - Interstate 80	- Airport East Hub - Decker Lake - Lak	ke Park - West Valley City – Kearl
Bus Rapid Transit	Bus Rapid Transit	Redwood Rd/Parkway Boulevard	5600 W./Parkway Boulevard
3900/3500 South (F	orth of Four Phases)		
Fast Millcreek - Holladay	- Millcreek - South Salt Lake -	West Valley West Bench	
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	9200 W./3500 S.	Little Valley
Bus Rapid Transit	Bus Rapid Transit	3500 S./Constitution Boulevard	3500 S./Redwood Rd
Bus Rapid Transit	Bus Rapid Transit	3500 S./Redwood Rd	Millcreek TRAX
Bus Rapid Transit	Bus Rapid Transit	Millcreek TRAX	3900 S./Highland Dr
5400 South (Secon	· · ·		-
•		ANIA Amphilheater Missi Devel	
	Bus Rapid Transit	ANA Amphitheater - West Bench	7200 W
Bus Rapid Transit Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Murray Boulevard/Vine St 7200 W.	7200 W. 8400 W.
		1200 W.	
Fort Union			
· ,		er - Fort Union - Midvale - Fashion Pla	
Mode Undetermined	Bus Rapid Transit	State St/Fort Union Boulevard	Little Cottonwood Canyon
7000 South/7800 So	outh (Second of Two P	hases)	
Murray FrontRunner Stat	ion - Bingham Junction - Jorda	n Landing - West Bench	
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	State St/7200 S.	Redwood Rd/7000 S.
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Redwood Rd/7000 S.	Bangerter Highway/7000 S.
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Bangerter Highway/7000 S.	8400 W./7800 S.
9000 South	, ,		
	tRunner Station - Mid-Jordan	1RAX Station 9000 S./State St	0000 S /Padward Dd
Bus Rapid Transit Enhanced Bus (BRTI)	Bus Rapid Transit Enhanced Bus (BRTI)	9000 S./Redwood Rd	9000 S./Redwood Rd Mid-Jordan TRAX
9400 South			
		uth Jordan FrontRunner Station	
Mode Undetermined	Bus Rapid Transit	9400 S./State St	Little Cottonwood Canyon

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PROJECT		LOCATION					
Needed Mode	Funded Mode	From	То				
10200/10400 South							
South Jordan FrontRunner	Station - Daybreak TRAX Sta	tion					
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Jordan Gateway/S Jordan Parkway	Daybreak North TRAX				
12300/12600 South (1	Third of Three Phases						
	per FrontRunner Station - Rive	erton - Herriman - Daybreak TRAX Stati	on				
Bus Rapid Transit	Bus Rapid Transit	Daybreak S. TRAX	Redwood Rd/12600 S.				
Bus Rapid Transit	Bus Rapid Transit	700 East	Draper TRAX				
5400 South Redwood	Rd Park-And-Ride						
5400 South/Redwood Rd							
Park- and-Ride	Park-and-Ride	5400 S./Redwood Rd					
3100 South/5600 Wes	st Park-And-Ride						
3100 South/5600 West							
Park-and-Ride	Park-and-Ride	3100 S./5600 W.					
6200 South/5600 Wes	st Park-And-Ride						
6200 South/5600 West							
Park-and-Ride	Park-and-Ride	6200 S./5600 W.					
5400 South/5600 Wes	st Park-And-Ride						
5400 South/5600 West							
Park-and-Ride	Park-and-Ride	5400 S./5600 W.					
Fort Union Transit Co	enter						
Union Park Avenue/Fort Un	ion Boulevard						
Transit Hub	Transit Hub	Union Park Ave/Ft Union Boulevard					
Little Cottonwood Ca	nyon Park-And-Ride						
Wasatch Boulevard - Mouth	of Little Cottonwood Canyon	,					
Park-and-Ride	Park-and -Ride	Little Cottonwood Canyon					
Big Cottonwood Can	yon Park-And-Ride						
Wasatch Boulevard - Mouth	of Big Cottonwood Canyon						
Park-and-Ride	Park-and-Ride	Big Cottonwood Canyon					

Appendix-3

Box Elder County Highway and Transit Projects 2040 RTP

Box Elder County

Box Elder County Air Quality Conformity Regionally Significant Project List Draft March 30, 2011

Project Name and Location	Improvement Type	Time
UDOT Region 1		
	Interchange	
I-15 at MP 362.0 US-91, (1100 South Brigham City) STIP CD	Upgrade	2011-2020
*SR-30 I-15 to SR-38 (Collinston) MP 90.7 to 95.1	Widening	2010-2020
*SR-30 MP 95 to 108	Planning Study	2010-2020
*SR-30 MP 90.7 to MP 107.6, from SR-38 to Cache MPO Boundary		
at 1900 West	Widening	2021-2030
SR-13 MP 2.9 to 5.7, from SR-38 Junction to I-15	Widening	2020-2030
SR-240 MP 0.1 to MP 1.2, from I-15 to SR-38	Widening	2020-2030
US-89 at MP 435 US-90 (Brigham City)	Interchange Upgrade	2020-2030
I-15 MP 351.5 to MP 362, from Box Elder/Weber CL to Brigham	Widening/Safety	
City south Interchange	/Rest area	2031-2040
Local Government		
6800 West (Iowa String Road) from SR-38 to I-84	Widening	2031-2040
10400 North (Rocket Road) from I-84 to 5200 West (SR-13)	Widening	2031-2040

*These projects are outside the PM2.5 non-attainment area.

Appendix-4

Highway and Transit Projects 2040 RTP

Tooele County

TOOELE VALLEY LONG RANGE PLAN 2007 - 2030 PROJECTS

ID	STREET TO - FROM	PROJECT TYPE	LENGTH (MILES)	2030 FUNCTIONAL CLASS	BIKE CLASS	2006 LANE	2030 LANE	2006 ROW (FT.)	2030 RO (FT.)	PHASE 1=2007-2020 2=2021-2030	SPONSOR	PHASE COST
1	Additional I-80 Interchange I-80	New Construction	0.0	Interchange	0	0	0	0	0	1	UDOT	\$47,900,000
2	Additional I-80 Access Road I-80 - SR-36	New Construction	1.0	Principal Arterial	0	0	4	0	200	1	UDOT	\$15,000,000
3	I-80 Additional I-80 Interchange - SR-201	Widening	4.9	Freeway	0	4	6	375	375	2	UDOT	\$516,200,000
4	SR-138 SR-112 - Mid-Valley Highway	Widening	3.1	Minor Arterial	1	2	4	100	100	1	UDOT	\$29,800,000
5	SR-138 Mid-Valley Highway - SR-36	Widening	5.1	Minor Arterial	1,0	2	4	100	100	2	UDOT	\$78,500,000
6	1000 North SR-112 - SR-36	New Construction	2.4	Minor Arterial	2	0	4	0	66	1	Local	\$18,800,000
7	1000 North SR-36 - Droubay Road	Restripping	1.3	Minor Arterial	2	2	4	66	66	2	Local	\$1,400,000
8	2000 North SR-112 - SR-36	New Construction	3.6	Minor Arterial	0	0	2	0	66	1	Local	\$29,500,000
9	3700 North Mid-Valley Highway - Droubay Road	New Construction	6.5	Minor Arterial	0	0	2	0	66	2	Local	\$81,700,000
10	SR-112 Mid-Valley Highway - Tooele Blvd.	Widening	3.3	Principal Arterial	0	2	4	100	100	1	UDOT	\$31,800,000
11	Mid-Valley Highway SR-36 - I-80	Corridor Preservation	11.7	Freeway	0	0	4	0	200	1	UDOT	\$12,300,000
12	Mid-Valley Highway SR-36 - I-80	New Construction	11.7	Principal Arterial	0	0	4	0	200	1	UDOT	\$193,600,000
13	Mid-Valley Highway SR-36 - I-80	New Construction	11.7	Freeway	0	0	4	0	200	2	UDOT	\$442,500,000
14	Tooele Blvd SR-36 - 1000 North/SR-36	New Construction	4.1	Minor Arterial	0	0	4	0	84	1	Local	\$38,300,000
15	SR-36 South Depot Entrance - 500 South	Widening	2.4	Principal Arterial	1	2	4	100	100	1	UDOT	\$19,900,000
16	SR-36 Stockton - South Depot Entrance	Widening	3.3	Minor Arterial	1	2	4	100	100	2	UDOT	\$57,800,000
17	400 West 1000 North - 3700 North	New Construction	2.7	Minor Arterial	0	0	2	0	66	1	Local	\$21,200,000
18	1200 West 1000 North - 3700 North	New Construction	2.7	Minor Arterial	0	0	2	0	66	1	Local	\$21,200,000