## Air Quality Memorandum

REPORT NO. 30

**DATE** March 26, 2014

SUBJECT CONFORMITY ANALYSIS FOR THE WFRC AMENDED 2040 REGIONAL

TRANSPORTATION PLAN.

**ABSTRACT** 

The Moving Ahead for Progress in the 21st Century (MAP-21) and the Clean Air Act Amendments (CAAA) require that all regionally significant highway and transit projects in air quality non-attainment and maintenance areas be derived from a "conforming" Regional Transportation Plan and Transportation Improvement Program. A conforming Plan or Program is one that has been analyzed for emissions of controlled air pollutants and found to be within 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 MAP-21 legislation. The EPA approved MOVES model for estimating vehicle emissions was used for this conformity analysis.

This conformity analysis addresses additional amendments to the previously amended 2011-2040 RTP. The amendments include advancing all I-15 Point of the Mountain projects to Phase 1 of the RTP. In addition to the Point of the Mountain projects, several other RTP projects on I-15 and I-215, mostly operational in nature, have also been advanced to Phase 1. Layton City has also requested that the planned overpass at 1200 North be moved into Phase 1. The 5600 West project from SR-201 to I-80, on the other hand, is being postponed from Phase 1 to Phase 2. See Appendix 2 for a more detailed description of the project amendments.

Based on the analysis presented in this document, the Amended WFRC 2011-2040 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 Amended 2011-2040 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 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) 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/West Valley and Ogden / Layton Urbanized Areas. This report summarizes WFRC's conformity analysis of the Amended 2011-2040 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 sponsored by recipients of federal funds even if the regionally significant transportation project uses local funds exclusively.

Davis, and Salt Lake Counties, Salt Lake City, Ogden City and portions of Weber, Box Elder and Tooele Counties are designated as non-attainment (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.

Table 1
Wasatch Front Region Non-attainment Designations

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 <sub>10</sub> )	
Salt Lake County	Moderate Non-Attainment Area	Particulate Matter (PM <sub>10</sub> )	
Salt Lake	Moderate Non-Attainment Area	Particulate Matter (PM <sub>2.5</sub> )	
(including Davis, Salt Lake, and portions of Weber, Box Elder, and Tooele Counties)			

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<sub>10</sub> control measures

- Latest emissions model
- Consultation
- Currently conforming plan and TIP
- CO and PM<sub>10</sub> "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 Management and Budget (GOMB). 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 based on county-level forecasts published by GOMB in January, 2008.

#### **Latest Emissions Model**

The conformity analysis presented in this document is based on EPA mobile source emissions models: MOVES2010b 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. Application of the new MOVES model is required since March 2013.

#### **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 (DAQ) prepared a Conformity SIP document to outline the consultation procedures to be used in air quality and transportation planning. The Conformity SIP also defines the membership of the Interagency Consultation Team (ICT) as representatives from DAQ, WFRC, Mountainland Association of Governments, Utah Department of Transportation, Utah Transit Authority, EPA, FHWA, and the FTA. 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 Transportation Committee (or TransCom) for review and comment. This committee includes a member of the Utah Air Quality Board as well as representatives of UDOT, UTA, and FHWA. 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 and other members of the ICT were also provided with a copy of this report at the beginning of the public comment period for the Amended 2011-2040 RTP.

This Conformity Analysis for the Amended 2011-2040 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 Amended 2011-2040 RTP must certify that the RTP does not interfere 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 2040 RTP for the Wasatch Front Area conforms to State air quality goals and objectives as noted in a letter from FHWA and FTA dated September 26, 2012. The existing TIP for the Wasatch Front Area was also found to conform and this was noted in the same letter from FHWA and FTA.

#### Projects from a Conforming Plan and TIP

**TIP Time Frame** - All projects which must be started no later than 2019 in order to achieve the transportation system envisioned by the Amended 2011-2040 RTP are included in the 2014-2019 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. Conformity for the 2014-2019 TIP is addressed separately in Air Quality Memorandum 30a.

#### **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 a 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 latest Utah Department of Transportation Functional Classification map is used to identify functional classification. 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 also be reflected in the 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, PM<sub>10</sub> and PM<sub>2.5</sub> "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 development before FHWA or FTA can issue final project approval.

FHWA has issued guidance on quantitative  $PM_{10}$  and  $PM_{2.5}$  "hot spot" analysis to be used for the NEPA process.

#### PM<sub>10</sub> Control Measures

Construction-related Fugitive Dust - Construction-related dust is not identified in the Utah SIP 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. Control of 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 increased periodically and will continue to increase in response to rising 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 retained and increased transit patronage consistent with the levels anticipated by the RTP.

Plans to expand light rail service, to increase and enhance bus service, and to extend commuter rail operations are moving forward. These transit projects are envisioned in the Plan and the steps necessary to implement these projects are moving forward including various voter approved sales tax increases for transit funding.

#### **B.** Transportation Modeling

Improvement to the WFRC travel demand model practice and procedure is an ongoing process. This conformity analysis is based on the latest version (7.0) of the travel demand model. Version 7.0 of the travel demand model updates the base year of the model from 2005 to 2007. Version 7.0 of the model also has added more traffic analysis zones, and the transit mode choice portion of the model has been enhanced. Details of Version 7.0 of the travel model are documented in a report titled "WFRC/MAG Version 7.0 Travel Demand Model Documentation" which is available upon request.

#### **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 and transportation planning agencies. 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 forecast highway Vehicle Miles Traveled (VMT) and vehicle speeds for Weber, Davis, and Salt Lake Counties. A separate travel model is used to estimate VMT and speed in 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 planning assumptions and a computerized 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 2012 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 Winter Weekday HPMS Adjusted)

	2012	2020	2030	2040
Salt Lake City	6,592,823	7,370,154	8,441,427	9,141,406
Ogden City	1,565,100	1,761,726	2,000,391	2,214,099
Salt Lake County	27,067,708	31,977,442	38,131,994	44,586,822
<b>Davis County</b>	8,140,970	9,524,434	10,624,267	11,570,391
Weber County*	4,970,419	5,909,379	7,026,189	8,203,884
Box Elder County*	2,380,079	2,709,337	3,227,017	3,844,694
Tooele County*	1,814,711	2,507,527	3,373,539	4,562,662

<sup>\*</sup>non-attainment portion of the county

#### **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 3 and Table 4 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 "non-home based" (NHB) and "internal/external" (IXXI) trips respectively (with some rounding as necessary for the COM trips).

Table 3
Percent of Home Based Trips by Time of Day

	A	M	Mid	l-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 4
Percent of Other Trips 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 OtherNHB - Non-Home BasedHBW - Home Based WorkCOM - CommercialIXXI - Internal/External, External/InternalTHRU - 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.

Table 5
Salt Lake County Modeled Speeds Compared to Observed Speeds

	Arterial		Freeway	
	AM PM		AM	PM
	Peak	Peak	ak Peak Pe	
2007 Modeled Speeds (mph)	31	29	64	64
2008 Observed Speeds (mph)	31	27	67	67

#### C. Emission Modeling

#### I/M Programs

Assumptions for the input files for EPA's MOVES 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.

#### VMT Mix

The VMT mix describes how much a particular vehicle type is used in the transportation network. While no longer a required input for the MOVES model as it was for MOBILE6.2, VMT mix is used in several instances to generate the input files required to run the MOVES model. The national default VMT mix found in the MOVES database 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 thirteen vehicle classes used in MOVES.

#### **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 re-entrained road 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 type with the following results:

<b>Facility</b>	Average Vehicle Weight
Urban - Freeway	6,500 lbs, or 3.25 tons
Urban - Arterial	6,100 lbs, or 3.05 tons
Urban - Local	3,900 lbs, or 1.95 tons

#### **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 challenging. WFRC will continue to support these emission reduction programs, but credits from these programs have not been included in this conformity analysis.

#### **MOVES Inputs**

The MOVES model is a very data intensive computer program based on the MySQL database software. Through the interagency consultation process the required MOVES inputs reflecting local conditions have been established.

Data files defining local conditions by county and year are created for vehicle population, emission testing programs, fuel supply, fuel formulation, meteorological conditions, and vehicle age are listed are all required inputs to the MOVES model.

Vehicle activity input files for the MOVES model are generated by the WFRC travel demand model using a customized in-house program for this purpose. The MOVES input files required include data for ramp fractions, road distribution, speed distribution, and VMT by vehicle type for each county (Box Elder, Davis, Salt Lake, Tooele, and Weber) and analysis year (2009, 2016, 2020, 2030, and 2040) as required for operating the MOVES model.

The input files listed above are read into the MOVES program as database files. The input database folders in Table 6 below contain the database files used for each county and year modeled using MOVESb for this conformity analysis. The results of the MOVES model are stored in the output database "Conf14\_out". Results unchanged by this amendment (Box Elder and Tooele files, and files for 2009 and 2016) are found in the output database "Conf13\_out".

**Table 6 MOVES Data – Input Database Folders** 

Box Elder	Weber	Davis	Salt Lake	Tooele
conf13_be2009w_in	conf13_we2009w_in	conf13_da2009w_in	conf13_sl2009w_in	conf13_to2009w_in
conf13_be2016w_in	conf13_we2016w_in	conf13_da2016w_in	conf13_sl2016w_in	conf13_to2016w_in
conf13_be2020w_in	conf14_we2020w_inb	conf14_da2020w_inb	conf14_sl2020w_inb	conf13_to2020w_in
conf13_be2030w_in	conf14_we2030w_inb	conf14_da2030w_inb	conf14_sl2030w_inb	conf13_to2030w_in
conf13_be2040w_in	conf14_we2040w_inb	conf14_da2040w_inb	conf14_sl2040w_inb	conf13_to2040w_in

#### **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

$$E = k (sL)^{0.91} \times (W)^{1.02}$$

where:

E = particulate emission factor (grams/mile),

k = particle size multiplier for particle size range and units of interest (for  $PM_{10}$ , k=1.0 and for  $PM_{2.5}$  k=0.25),

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

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

Based on vehicle type counts on roads in the WFRC region, 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	e Functional Class	Silt Load (grams/meter <sup>2</sup> )
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  $PM_{2.5}$  and  $PM_{10}$  road dust factors by highway functional class are as follows:

	PM <sub>10</sub> Road	PM <sub>2.5</sub> Road
	<b>Dust Rate</b>	<b>Dust Rate</b>
<b>Functional Class</b>	(grams/mile)	(grams/mile)
local roads	0.429	0.107
arterials	0.226	0.057
freeways	0.068	0.017

#### **D.** Conformity Determination

The following conformity findings for the Amended 2011-2040 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 (MOVES).

#### **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 Amended RTP conforms to the applicable controls and goals of the State Implementation Plan (Maintenance Plan) for Carbon Monoxide in Salt Lake City.

Table 7

Salt Lake City - CO
Conformity Determination

	<u>b</u>	а	<u>b</u>	<u>b</u>	c
Year	2012	2019	2020	2030	2040
Budget <sup>#</sup> (tons/day)	278.62	278.62	278.62	278.62	278.62
emission rate (grams/mile)	12.54	9.84	9.58	8.85	9.15
seasonal VMT	6,592,823	7,259,681	7,370,154	8,441,427	9,141,406
Projection* (tons/day)	91.15	78.75	77.82	82.36	92.16
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

#### **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.

<sup>#</sup> Federal Register Vol. 70 No. 146, August 1, 2005, Table V-2.

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

From this demonstration it is concluded that the Amended 2011-2040 RTP conforms to the applicable controls and goals of the State Implementation Plan (Maintenance Plan) for Carbon Monoxide in Ogden City.

Table 8

Ogden City - CO

Conformity Determination

	<u> </u>	а	<u>b</u>	<u>b</u>	<u>c</u>
Year	2012	2020	2021	2030	2040
Budget (tons/day)	75.36	75.36	73.02	73.02	73.02
emission rate (grams/mile)	16.45	12.71	12.59	11.63	11.89
seasonal VMT	1,565,100	1,761,726	1,785,593	2,000,391	2,214,099
Projection* (tons/day)	28.38	24.69	24.79	25.66	29.03
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

#### **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 Amended 2011-2040 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 based on the Mobile6.2 vehicle emissions model for the 2003 conformity analysis have been updated for this conformity analysis using the MOVES model and the January 2011 AP-42 road dust methodology for consistency with current emission modeling requirements. Specifically, the NOx precursor budget (1990 emission estimate) changes from 4.57 tons/day to 6.92 tons/day, and the direct PM10 budget (1990 estimate) changes from 2.28 tons/day to 1.09 tons/day. The 1990 primary  $PM_{10}$  estimate for

<sup>#</sup> Federal Register Vol. 70 No. 177, September 14, 2005, Table V-2.

<sup>\*</sup> 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 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 9a Ogden City - PM10 (NOx Precursor)

#### **Conformity Determination**

Year 2015 2020 2030 2040 6.92 6.92 6.92 6.92 1990 Emissions (tons/day) emission rate (grams/mile) 1.60 1.04 0.720.71 1,634,320 1,761,726 2,000,391 2,214,099 seasonal VMT 2.89 **Projection\*** (tons/day) 2.02 1.60 1.72 **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

<sup>\*</sup> Projection = Emission Rate x seasonal VMT, divided by 453.5 to convert to pounds, divided by 2,000 to convert to tons.

## Table 9b Ogden City - PM10 (Primary Particulates\*\*)

#### **Conformity Determination**

	d	b	b	С
Year	2015	2020	2030	2040
1990 Emissions (tons/day)	1.09	1.09	1.09	1.09
emission rates (grams/mile)				
exhaust particulates - (Ec, Oc, SO4)	0.0667	0.0445	0.0316	0.0304
brake particulates	0.0362	0.0369	0.0385	0.0401
tire particulates	0.0083	0.0083	0.0085	0.0086
road dust particulates	0.2644	0.2627	0.2605	0.2586
seasonal VMT	1,634,320	1,761,726	2,000,391	2,214,099
Projection* (tons/day)	0.68	0.68	0.75	0.82
Conformity				
(Projection < 1990 Emissions?)	Pass	Pass	Pass	Pass

<sup>\*\*</sup> Includes road dust, elemental carbon, organic carbon, gasoline exhaust particulates, tire wear, and brake wear.

#### **Salt Lake County PM10 Conformity**

The PM<sub>10</sub> 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 PM<sub>10</sub> Conformity for an explanation of primary and secondary PM<sub>10</sub> emissions). The State air quality rule R307-310 allows a portion of the surplus primary PM<sub>10</sub> budget to be applied to the secondary PM<sub>10</sub> budget for conformity purposes as seen for the year 2015 in Table 10 below. For the analysis years 2020, 2030, and 2040, no budget adjustments were necessary.

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

(tons/day)

Year	2015	2020	2030	2040
Total PM10 Budget <sup>#</sup>	72.60	72.60	72.60	72.60
Direct PM10 Budget to be Traded	10.00	0.00	0.00	0.00
Direct PM10 Budget	30.30	40.30	40.30	40.30
NOx Precursor PM10 Budget	42.30	32.30	32.30	32.30

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

<sup>\*</sup> Projection = Emission Rate x seasonal VMT, divided by 453.5 to convert to pounds, divided by 2,000 to convert to tons.

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 11a
Salt Lake County - PM10 (NOx Precursor)
Conformity Determination

	В	В	В	c
Year	2015	2020	2030	2040
Budget <sup>#</sup> (tons/day)	42.30	32.30	32.30	32.30
emission rate (grams/mile)	1.11	0.72	0.52	0.50
seasonal VMT	28,969,518	31,977,442	38,131,994	44,586,822
Projection* (tons/day)	35.40	24.53	21.43	24.37
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

Table 11b
Salt Lake County - PM10 (Primary Particulates\*\*)
Conformity Determination

	b	b	b	c
Year	2015	2020	2030	2040
Budget <sup>#</sup> (tons/day)	30.30	40.30	40.30	40.30
emission rates (grams/mile)				
exhaust particulates - (Ec, Oc, SO4)	0.0758	0.0582	0.0478	0.0475
brake particulates	0.0244	0.0250	0.0260	0.0257
tire particulates	0.0069	0.0069	0.0070	0.0069
road dust particulates	0.2064	0.2073	0.2026	0.1928
seasonal VMT	28,969,518	31,977,442	38,131,994	44,586,822
Projection* (tons/day)	10.01	10.48	11.92	13.41
Conformity				
(Projection < Budget?)	Pass	Pass	Pass	Pass

<sup>\*\*</sup> Includes road dust, elemental carbon, organic carbon, gasoline exhaust particulates, tire wear, and brake wear.

<sup>#</sup> WFRC Memo to Jeff Houk of EPA, April 15, 1994.

<sup>\*</sup> Projection = Emission Rate x seasonal VMT, divided by 453.5 to convert to pounds, divided by 2,000 to convert to tons.

<sup>#</sup> 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

<sup>\*</sup> Projection = Emission Rate x seasonal VMT, divided by 453.5 to convert to pounds, divided by 2,000 to convert to tons.

#### Salt Lake PM<sub>2.5</sub> 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<sup>3</sup>) 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<sub>2.5</sub> emissions) in the five-county PM<sub>2.5</sub> non-attainment area are less than 2008 NOx emissions. Table 12b below demonstrates that direct particle emissions of PM<sub>2.5</sub> in the five-county PM<sub>2.5</sub> non-attainment area are also less than 2008 direct particle emissions. Direct particle emissions include exhaust emissions of 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 12a
Salt Lake Area\* - PM2.5 (NOx Precursor)
Conformity Determination

	b	b	b	c
Year	2015	2020	2030	2040
2008 Emissions (tons/day)	105.88	105.88	105.88	105.88
emission rate (grams/mile)	1.27	0.79	0.57	0.55
seasonal VMT	47,502,009	52,628,119	62,383,006	72,768,453
Projection* (tons/day)	66.52	46.02	39.15	44.30
Conformity				
(Projection < Budget?)	Pass	Pass	Pass	Pass

<sup>#</sup> 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

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

# Table 12b Salt Lake Area\* - PM2.5 (Direct PM Emissions\*\*) Conformity Determination

Year 2020 2030 2040 2015 2008 Emissions (tons/day) 8.19 8.19 8.19 8.19 emission rate (grams/mile) 0.14 0.12 0.10 0.10 seasonal VMT 47,502,009 52,628,119 62,383,006 72,768,453 Projection\* (tons/day) 7.11 6.78 7.18 8.15 **Conformity** (Projection < Budget?) **Pass Pass Pass Pass** 

#### **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. All counties within the Wasatch Front area are in attainment of the current 8-hour ozone standard.

<sup>#</sup> 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

<sup>\*</sup> Projection = Emission Rate x seasonal VMT, divided by 453.5 to convert to pounds, divided by 2,000 to convert to tons.

<sup>\*\*</sup> Direct PM for interim conformity includes road dust, gasoline particulates, elemental carbon, organic carbon, SO4, brake wear, and tire wear.

# **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, however, does not identify these facilities as regionally significant.

- 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 <a href="http://www.dot.utah.gov/index.php/m=c/tid=1228">http://www.dot.utah.gov/index.php/m=c/tid=1228</a>) 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 Amended 2011-2040 RTP

Salt Lake/West Valley and Ogden/Layton Areas

#### 2013 Amended RTP HIGHWAY PROJECTS LIST

#### **Project Amendments to the 2011-2040 RTP**

**Project Description** 

#### **Weber County**

**Pioneer Road – SR126 to 4700 West** – Marriott-Slaterville has requested this project be amended into Phase 1 of the RTP. Marriott-Slaterville has identified operational improvements regarding this section of the facility.

**Funding:** Potential for Weber County corridor preservation funds and County 1/4c Local Option Sales Tax

**RTP Amendment:** Include the project in Phase 1 of the Plan. (This project is not currently in the RTP).

Adams Avenue – US-89 Washington Blvd to Washington Terrace City Limits – Washington Terrace has requested this project be amended into Phase 1 of the RTP. This project will convert the facility from 2 to 4 lanes to accommodate increasing demand.

**Funding:** STP Funds already programmed for reconstruction (\$4.3M) **RTP Amendment:** Move the project from Phase 2 to Phase 1.

**4000 South (SR-37) – 5100 West to 1900 West (SR-126)** – UDOT has requested this project be amended into Phase 1 of the RTP. This project will convert the facility from 2 to 4 lanes to accommodate increasing demand.

**Funding:** House Bill 377 adopted in the 2013 Utah State Legislative session programmed \$15M for this project and Weber County has programmed \$10M for this project.

RTP Amendment: Move the project from Phase 2 to Phase 1.

#### **Salt Lake County**

**Bangerter Highway and Redwood Road Interchange** – UDOT has requested this project be amended into Phase 1 of the RTP. This project would construct a grade separated interchange, improving traffic flow on Bangerter and Redwood Road. Environmental analysis would be conducted in 2013 with anticipated construction in 2014.

**Funding:** House Bill 377 adopted in the 2013 Utah State Legislative session programmed \$42M for this project.

**RTP** Amendment: Move the project from Phase 3 to Phase 1.

#### 2011-2040 RTP Amendments (Number 4) January 2014

#### **Proposed I-15 Point of the Mountain Projects**

1. Location: I-15 from 12300 South to Bangerter Highway

**Description:** Increase the number of total lanes from 5 northbound and

5 southbound to 5 northbound and 6 southbound lanes.

**Proposed Design:** The proposed design remains the same for northbound I-15, including the auxiliary lane. The southbound onramp from 12300 South, rather than serving as an auxiliary lane and an exit-only lane to Bangerter Highway, would instead continue through the Bangerter Highway structure, thereby providing a fifth general purpose and one High Occupancy Toll (HOT) lane profile through this section.

Funding Source: Transportation Investment Fund (TIF)

**RTP Amendment:** The above proposed design improvements and moving this project to Phase 1 of the 2011-2040 RTP.

2. Location: I-15 from Bangerter Highway to the Utah County Line

**Description:** Increase the current number of lanes in this section of I-15, from 4 and 5 north and southbound lanes, to a total of 6 lanes, thereby providing a fifth general purpose and one High Occupancy Toll (HOT) lane profile through this section.

**Proposed Design:** The proposed design remains the same as the FEIS, except that the truck-climbing lanes would not be constructed at this time. The 5 general purpose lanes in each direction is consistent with the RTP and the Air Quality Conformity determination for Phase 2

**Funding Source:** Transportation Investment Fund (TIF)

**RTP Amendment:** The above proposed design improvements and moving this project to Phase 1 of the 2011-2040 RTP.

Cost: \$250,000,000

In addition to the above, the Utah Department of Transportation is requesting an amendment to the 2011-2040 RTP to include the following projects in Phase 1 of the RTP.

- 3. I-15 Interchange at I-215 (Near Fashion Place Mall Approximately 6600 South).
  - Move from Phase 3 to Phase 1

Cost: \$66,000,000

The following projects are new additions to the RTP. While they are Congestion Management System / Operational type projects, which are not typically included in the RTP, the UDOT is requesting their inclusion to maintain full transparency and funding flexibility through the Transportation Investment Fund.

#### 4. I-15 SR-201 to 5300 South

- Add a southbound auxiliary lane from SR-201 to 5300 South

- Add an additional, left turn lane (making it a triple left) on I-15 southbound ramp to eastbound 3300 South

- May need to modify the SPUI with compound curves

Cost: \$32,000,000

#### 5. I-15 Northbound 9000 South to I-215

- Decrease snow storage to 5 feet
- Add an auxiliary lane using existing shoulder from 9000 South to the I-215 off ramp
- Three lanes exit to I-215 (2 trap or "exit only" lanes, 1 option lane, with emergency pullout)

Cost: \$6,000,000

#### 6. I-15 400 South to Bangerter Highway

- Add second northbound and southbound HOV lane during peak hours using inside shoulder and dynamic lane use signing

Cost: \$11,000,000

#### 7. I-15 400 South to 10600 South

- I-15 ITS improvements
- Integrated corridor management
- Freeway to freeway ramp metering
- Traffic signal optimization

Cost: \$9,000,000

#### 8. I-215 SR-201 to 4700 South

- Add auxiliary lanes

Cost: \$35,000,000

Layton City is requesting an amendment to the 2011-2040 RTP to include the following project in Phase 1 of the RTP.

#### 9. I-15 Overpass at 1200 North Layton

- Move facility from the Unfunded Phase to Phase 1

Cost: \$20,000,000

Moving the projects listed above to Phase 1 of the 2011-2040 RTP will require that the following projects currently in Phase 1 will need to be moved to Phase 2.

- SR-171/3500 South Mountain View corridor to 4000 West \$105,000,000
- US-89 / Antelope Drive Interchange \$72,000,000
- Layton Parkway 1475 West to West Davis Corridor \$17,000,000

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
	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	-
S-2	5600 West to 2700 West	ROW: 2007 - 50 ft / 2040 - 99 ft	Bike Class: 2	3
S-3	California Avenue Mountain View Corridor to 4800 West	Widening: 2 to 4 lanes ROW: 2007 - 110 ft / 2040 - 110 ft	MA / 1 miles / Local Bike Class: Priority 2	3
S-4	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	1-80	Widening: 3 EB to 4 EB lanes	FWY / 11 miles / UDOT	3
S-3	I-215 (East) to Summit County Line	ROW: 2007 - 328 ft / 2040 - 328 ft Operational	Bike Class: 3 MA / 2.7 miles / Local	- 3
S-6	I-15 to 1300 East	Operational	Bike Class: 2	1
S-7	SR-201 I-80 (West) to SR-111 Bypass	Widening: 4 to 6 lanes ROW: 2007 - 300 ft / 2040 - 300 ft	FWY / 6.6 miles / UDOT Bike Class: Priority 1	3
S-8	SR-201	Widening: 4 to 6 lanes	FWY / 4 miles / UDOT	2
	SR-111 Bypass to Mountain View Corridor SR-201	ROW: 2007 - 300 ft / 2040 - 300 ft Widening: 6 to 6+HOT lanes	Bike Class: Priority 1 FWY / 7 miles / UDOT	
S-9	Mountain View Corridor to I-15	ROW: 2007 - 300 ft / 2040 - 300 ft	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
3-11	I-215 (West) to Highland Drive	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	PA / 1.7 miles / Local Bike Class: None	2
C 14	3500 South	ROW: 2007 - 66 ft / 2040 - 110 ft Widening: 2/4 to 6 lanes	PA / 2.3 miles / UDOT	1
S-14	Mountain View Corridor to 4000 West	ROW: 2007 - 80 ft / 2040 - 113 ft	Bike Class: None	1
S-15	4100 South SR-111 to Mountain View Corridor	Widening: 2 to 4 lanes ROW: 2007 - 76 ft / 2040 - 99 ft	MA / 4.3 miles / Local Bike Class: Priority 2	3
S-16	4700 South	Widening: 2 to 4 lanes	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	Widening: 2 to 4 lanes	PA / 2.2 miles / UDOT	3
	900 East to 2300 East 5400 South	ROW: 2007 - 80 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: 2 and 3 MA / 2.4 miles / UDOT	
S-20	SR-111 to Mountain View Corridor	ROW: 2007 - 70 ft / 2040 – 99 ft	Bike Class: Priority 2	2
S-21	5400 South SR-111 to Mountain View Corridor	Widening: 4 to 6 lanes ROW: 2007 - 70 ft / 2040 - 123 ft	MA / 2.4 miles / UDOT Bike Class: Priority 2	3
S-22	5400 South	Widening: 4 to 6 lanes	MA / 2.5 miles / UDOT	1
3-22	Mountain View Corridor to Bangerter Highway  5400 South	ROW: 2007 - 65 ft / 2040 - 110 ft Operational	Bike Class: Priority 2 and 3 MA / 2.3 miles / UDOT	'
S-23	5600 West to Bangerter Highway	Operational	Bike Class: Priority 2 and 3	1
S-24	5400 South Redwood Road to I-15	Operational	MA / 2 miles / UDOT Bike Class: Priority 3 and None	1
S-25	6200 South	New Construction: 0 to 4 lanes	MA / 1.6 miles / Local	1
5-25	SR-111 to Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 1 and 2	'
S-27	6200 South  Mountain View Corridor to 5600 West	Widening/NC: 2/0 to 4 ROW: 2007 - 0 ft / 2040 - 110 ft	MA / 0.3 miles / Local Bike Class: 2	1
S-28	7000 South	Widening: 3 to 4 lanes	MA / 1.9 miles / Local	2
0.00	Bangerter Highway to Redwood Road 7000 South / 7200 South	ROW: 2007 - 56 ft / 2040 - 99 ft Widening: 4 to 6 lanes	Bike Class: 2 MA / 2 miles / UDOT	_
S-29	Redwood Road to Bingham Junction Boulevard	ROW: 2007 - 90 ft / 2040 - 123 ft	Bike Class: 1 and 2	3
S-30	7000 South / 7200 South Bingham Junction Boulevard to I-15	Widening: 4 to 6 lanes ROW: 2007 - 90 ft / 2040 - 123 ft	MA / 0.6 miles / UDOT Bike Class: 1	1
S-31	Fort Union Boulevard	Operational	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	Widening: 4 to 6 lanes	PA / 2.5 miles / UDOT	3
	5600 West to Bangerter Highway  9000 South	ROW: 2007 - 106 ft / 2040 - 123 ft Widening: 4 to 6 lanes	Bike Class: 2 PA / 4 miles / UDOT	
S-36	Bangerter Highway to I-15	ROW: 2007 - 106 ft / 2040 - 123 ft	Bike Class: 1 and 2	2
S-37	10200 South SR-111 to Mountain View Corridor	Widening: 2 to 4 lanes ROW: 2007 - 82 ft / 2040 - 110 ft	COL / 2.6 miles / Local Bike Class: 2	1
S-38	10400 South / 10800 South	New Construction: 0 to 4 lanes	MA / 2 miles / Local	2
	SR-111 to Mountain View Corridor  10400 South / 10800 South	ROW: 2007 - 0 ft / 2040 - 110 ft  New Construction: 0 to 4 lanes	Bike Class: None MA / 1.2 miles / Local	
S-39	Mountain View Corridor to 4800 West	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 1 and None	1
S-40	10600 South / 10400 South	Operational	MA / 4.2 miles / UDOT	1
C 11	Bangerter Highway to I-15  10600 South	Widening: 2 to 4 lanes	Bike Class: 2 and None MA / 0.9 miles / Local	1
S-41	1300 East to Highland Drive	ROW: 2007 - 86 ft / 2040 - 86 ft	Bike Class: 1	1
S-42	11800 South SR-111 to 5600 West	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 99 ft	MA / 2.4 miles / Local Bike Class: Priority 2	2

ID#	PROJECT	DESCRIPTION			DESCRIPTION		PROJECT DESCRIPTION		
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	1					
C 45	11400 South / 5600 West to Valdania Street (5200 West)	Widening: 2 to 4 lanes	Bike Class: Priority 2 MA / 1.2 miles / Local	3					
S-45	1300 East to Highland Drive  Herriman Parkway (12600 South)	ROW: 2007 - 80 ft / 2040 - 99 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 3 and None PA / 1.5 miles / Local						
S-46	8000 West to 6000 West	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 1 or 2	3					
S-47	12600 South  Mountain View Corridor to Bangerter Highway	Widening: 4 to 6 lanes ROW: 2007 - 106 ft / 2040 - 123 ft	PA / 1.6 miles / Local 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 8000 West to Mountain View Corridor	Widening/NC: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 110 ft	COL / 3 miles / Local Bike Class: 2 and 3	3					
S-51	13400 South	Widening: 4 to 6 lanes	COL / 1.7 miles / Local	1					
	Mountain View Corridor to Bangerter Highway  Juniper Crest	ROW: 2007 - 66 ft / 2040 - 106 ft  New Construction: 0 to 6 lanes	Bike Class: 2 MA / 1 miles / Local						
S-52	4800 West to Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 110 ft	Bike Class: 2	1					
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 Highland Drive to Mike Weir Drive	Widening: 2 to 4 lanes ROW: 2007 - 89 ft / 2040 - 99 ft	COL / 1.3 miles / Local Bike Class: 2	3					
S-55	Porter Rockwell Road	New Construction: 0 to 4 lanes	PA / 3 miles / Local	1					
	Redwood Road to 14600 South	ROW: 2007 - 0 ft / 2040 - 167 ft	Bike Class: Priority 1 and 2	'					
Salt L	ake County, North-South Facilities								
S-56	<b>SR-111 Bypass</b> 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					
S-57	SR-111	Widening: 2 to 4 lanes	PA / 8.5 miles /Local-UDOT	2					
	5400 South to 11800 South 8000 West	ROW: 2007 - 106 ft / 2040 - 106 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 2  COL / 1.8 miles / Local						
S-58	11800 South to 13400 South	ROW: 2007 - 0 ft / 2040 - 106 ft	Bike Class: None	3					
S-59	<b>7200 West</b> SR-201 to 3500 South	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 86 ft	MA / 2.5 miles / Local Bike Class: 3	1					
S-61	Mountain View Corridor	New Construction: 0 to 4 lanes	PA / 3 miles / UDOT	1					
	SR-201 to 4100 South  Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 328 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 1 & None PA / 2.2 miles / UDOT						
S-62	4100 South to 5400 South	ROW: 2007 - 0 ft / 2040 - 328 ft	Bike Class: Priority 1	1					
S-63	Mountain View Corridor 5400 South to Redwood Road	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 328 ft	PA / 14.4 miles / UDOT Bike Class: Priority 1 &None	1					
S-64	Mountain View Corridor	New Construction: 0 to 4 lanes	PA / 2.9 miles / UDOT	2					
	Redwood Road to Utah County Line  Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 328 ft Widening & Interchanges: 4 to 6 lanes	Bike Class: Priority 1 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 4100 South to 5400 South	Widening & Interchanges: 4 to 6 lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 2.2 miles / UDOT Bike Class: Priority 1	2					
S-68	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 4.5 miles / UDOT	2					
	5400 South to 9000 South  Mountain View Corridor	ROW: 2007 - 328 ft / 2040 - 328 ft Widening & Interchanges: 4 to 6 lanes	Bike Class: Priority 1 and None FWY / 1.5 miles / UDOT						
S-69	9000 South to 10200 South	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: Priority 1 and None	3					
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					
S-71	Mountain View Corridor	Widening & Interchanges: 4 to 6 lanes	FWY / 2.9 miles / UDOT	2					
0.70	Redwood Road to Utah County Line  Mountain View Corridor	ROW: 2007 - 328 ft / 2040 - 328 ft Widening: 6 to 6+HOV lanes	Bike Class: None FWY / 22.5 miles / UDOT	3					
S-72	SR-201 to Utah County Line 5600 West	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: Priority 1 & None MA / 3.1 miles / UDOT	3					
S-73	I-80 to SR-201	Widening: 2 to 4 lanes ROW: 2007 - 86 ft / 2040 - 120 ft	Bike Class: Priority 2	2					
S-74	5600 West 2700 South to 6200 South	Operational	PA / 5 miles / Local-UDOT Bike Class: 2	1					
S-75	5600 West	Widen/ NC: 0/2 to 4 lanes	MA / 3.1 miles / Local	1					
	6200 South to New Bingham Highway 5600 West	ROW: 2007 - 0 ft / 2040 - 110 ft Operational	Bike Class: 2 MA / 3.1 miles / Local						
S-76	6200 South to New Bingham Highway		Bike Class: 2	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					
S-78	5600 West	New Construction: 0 to 4 lanes	COL / 1.7 miles / Local	1					
	Old Bingham Highway to 10400 South / 10800 South 5600 West	ROW: 2007 - 0 ft / 2040 - 86 ft  New Construction: 0 to 2 lanes	Bike Class: None COL / 3.2 miles / Local						
S-79	11800 South to 13100 South	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: 2	1					
S-80	5600 West Connection 5600 West to 11800 South	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 66 ft	COL / 0.7 miles / Local 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) 4800 West	ROW: 2007 - 0 ft / 2040 - 86 ft  New Construction: 0 to 2 lanes	Bike Class: Priority 3  COL / 2.7 miles / Local						
S-82	Skye Drive to Mountain View Corridor	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: Priority 2 and None	1					
S-83	<b>4570 West</b> 12600 South to 13400 South	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 89 ft	COL / 1 miles / Local Bike Class: None	1					
S-84	4200 West / Riverton Boulevard	New Construction: 0 to 4 lanes	COL / 1.5 miles / Local	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	12600 South to Riverton Boulevard	ROW: 2007 - 0 ft / 2040 - 66 ft	Bike Class: None	1					
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					

ID#	PROJECT	DESCRIPTION		
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	Widening: 2 to 4 lanes	COL / 1.3 miles / Local	2
S-89	1820 South to Parkway Boulevard (2700 South)	ROW: 2007 - 0 ft / 2040 - 110 ft Widening: 6 to 8 lanes	Bike Class: 2 FWY / 3.3 miles / UDOT	3
	2100 North to I-80  I-215 Frontage Road	ROW: 2007 - 328 ft / 2040 - 328 ft  New Construction: 0 to 1 lanes	Bike Class: None COL / 2.1 miles / Local	-
S-90	2700 South to 4100 South	ROW: 2007 - 0 ft / 2040 - 66 ft Widening: 2 to 4 lanes	Bike Class: None MA / 3 miles / UDOT	1
S-91	I-215 (North) to 1000 North	ROW: 2007 - 110 ft / 2040 - 110 ft	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	Widening: 2 to 4 lanes	PA / 1.5 miles / UDOT	1
S-96	12600 South to Bangerter Highway  Redwood Road	ROW: 2007 - 66 ft / 2040 - 99 ft Widening: 4 to 6 lanes	Bike Class: Priority 2 PA / 2.7 miles / UDOT	3
	Bangerter Highway to Porter Rockwell Road  1200 West	ROW: 2007 - 106 ft / 2040 - 123 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 2 COL / 0.5 miles / Local	-
S-97	3100 South to 3300 South Bingham Junction Boulevard	ROW: 2007 - 0 ft / 2040 - 86 ft	Bike Class: 3	1
S-98	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	New Construction: 0 to 4 lanes	COL / 2 miles / Local	1
S-103	12300 South to Bangerter Highway I-15 Collectors (Monroe Street)	ROW: 2007 - 0 ft / 2040 - 99 ft Collector/Distributor: 0 to 1 lanes	Bike Class: 2 COL / 0.7 miles / Local	1
	10000 South to 10600 South	ROW: 2007 - 0 ft / 2040 - 66 ft Widening: 7+HOV to 8+HOV lanes	Bike Class: None FWY / 1.6 miles / UDOT	
S-104	12300 South to Bangerter Highway	ROW: 2007 - 328 ft / 2040 - 328 ft Widening: 6/7+HOV to 8+HOV lanes	Bike Class: None FWY / 3.9 miles / UDOT	1
S-105	Bangerter Highway to Utah County Line	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: None	1
S-106	I-15 Bangerter Highway to Utah County Line	Widening: 8+HOV to 10+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 3.9 miles / UDOT Bike Class: None	1
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	1
S-108	State Street 600 South to I-215	Operational	MA / 8.6 miles / UDOT Bike Class: None	2
S-109	State Street	Operational	MA / 7.2 miles / UDOT	1
S-110	I-215 to 12300 South State Street	Widening: 4 to 6 lanes	Bike Class: None MA / 3.3 miles / UDOT	1
	6200 South to 9000 South 900 East	ROW: 2007 - 100 ft / 2040 - 110 ft Operational	Bike Class: None COL / 1.7 miles / Local	
S-111	3300 South to 4500 South	· ·	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	<b>700 East</b> 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	Operational	PA / 2 miles / Local	2
S-116	Murray Holladay Boulevard to Van Winkle Expressway  2000 East	Widening: 4 to 6 lanes	Bike Class: None PA / 3.1 miles / Local	3
	Fort Union Boulevard to 9400 South  Highland Drive	ROW: 2007 - 106 ft / 2040 - 123 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 PA / 0.5 miles / Local	
S-117	9400 South to 9800 South Highland Drive	ROW: 2007 - 106 ft / 2040 - 114 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 2 PA / 2.8 miles / Local	2
S-118	9800 South to Draper City Limit	ROW: 2007 - 0 ft / 2040 - 114 ft	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	Widening: 4 to 6 lanes	PA / 2.4 miles / UDOT	3
	2300 East to I-80 ake County, Spot Facilities	ROW: 2007 - 110 ft / 2040 - 110 ft	Bike Class: Priority 1 and 2	
	SR-201 Interchange	Upgrade	FWY/UDOT	
S-123	@ I-80 SR-201 Interchange		Bike Class: Priority 2 FWY / UDOT	2
S-124	@ SR-111 Bypass	New Construction	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	Upgrade	FWY / UDOT	3
S-128	@ I-215 SR-111 Rail Road Structure	Widening: 2 to 4 lanes	Bike Class: None PA / UDOT	1
3-128	@ 4300 South		Bike Class: Priority 2	' '

ID#	PROJECT	DESCR	PHASE	
S-130	5600 West Rail Road Crossing @ 750 South	New Construction: 2 to 4 lanes	PA / UDOT Bike Class: Priority 2	1
S-131	4800 West Overpass	New Construction: 0 to 2 lanes	COL / Local	2
S-133	@ SR-201 Bangerter Highway Interchange	Upgrade	Bike Class: Priority 3 FWY / UDOT	3
	@ SR-201  Bangerter Highway Interchange	New Construction	Bike Class: None FWY / UDOT	-
S-140	@ 6200 South  Bangerter Highway Interchange	New Construction	Bike Class: 2 FWY / UDOT	3
S-141	@ 7000 South		Bike Class: 2	3
S-142	Bangerter Highway Interchange @ 7800 South	New Construction	FWY / UDOT Bike Class: Priority 2	1
S-143	Bangerter Highway Interchange @ 9000 South	New Construction	FWY / UDOT Bike Class: 2	3
S-144	Bangerter Highway Interchange @ 9800 South	New Construction	FWY / UDOT Bike Class: Priority 2	3
S-145	Bangerter Highway Interchange	New Construction	FWY / UDOT	3
S-146	@ 10400 South  Bangerter Highway Interchange	New Construction	Bike Class: 2 FWY / UDOT	3
S-147	@ 11400 South  Bangerter Highway Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT	3
	@ 12600 South  Bangerter Highway Interchange	New Construction	Bike Class: Priority 2 FWY / UDOT	-
S-148	@ 13400 South  Bangerter Highway Interchange	New Construction	Bike Class: 2	2
S-149	@ 2700 West		Bike Class: None	3
S-150	Bangerter Highway Interchange @ Redwood Road	New Construction	FWY / UDOT Bike Class: Priority 2	1
S-151	Bangerter Highway Interchange @ 600 West	New Construction	FWY / UDOT Bike Class: None	1
S-152	Bangerter Highway Interchange @ I-15	Upgrade	FWY / UDOT Bike Class: None	2
S-154	I-215 Interchange	New Construction	FWY / UDOT	3
S-155	@ 5400 South  I-215 Interchange	Upgrade	Bike Class: Priority 3 FWY / UDOT	3
	@ Redwood Road (South)	New Construction: 0 to 2 lanes	Bike Class: None FWY / UDOT	-
S-156	@ 100 South (HOV Ramps)	Upgrade	Bike Class: None FWY / UDOT	3
S-157	@ I-215 (South)	10	Bike Class: None	1
S-158	13800 South Overpass @ I-15	New Construction: 0 to 2 lanes	COL / Local Bike Class: Priority 2	3
S-160	I-15 Interchange @ 14600 South	Upgrade	FWY / UDOT Bike Class: Priority 2	2
S-161	I-80 Interchange @ I-215 / Foothill Drive	Upgrade	FWY UDOT Bike Class: 3	2
S-163	Avalanche Snow Shed	New Construction	MA UDOT	3
Davis	Little Cottonwood Canyon Road @ Whitepine Chutes County, East-West Facilities		Bike Class: 2	
D-1	1800 North	Widening: 2 to 4 lanes	MA / 2 miles / UDOT	2
D-2	West Davis Corridor to 2000 West 1800 North	ROW: 2007 - 80 ft / 2040 - 99 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 MA / 2 miles / UDOT	1
	2000 West to SR-126 SR-193 Extension	ROW: 2007 - 66 ft / 2040 - 99 ft  New Construction: 0 to 4 lanes	Bike Class: Priority 2 MA / 2.2 miles / UDOT	
D-3	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	2
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) Fairfield Road to 1600 East	Widening: 2 to 4 lanes ROW: 2007 - 66 ft / 2040 - 86 ft	COL / 0.7 miles / Local Bike Class: None	2
D-10	Gordon Avenue (1000 North)	New Construction: 0 to 4 lanes	COL / 1.3 miles / Local	2
D-11	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	3
	3650 West (Layton) to 2200 West (Layton)  Layton Parkway	ROW: 2007 - 60 ft / 2040 - 110 ft  New Construction: 0 to 4 lanes	Bike Class: 2 MA / 2.6 miles / Local	
D-12	West Davis Corridor to Flint Street 200 North (Kaysville)	ROW: 2007 - 0 ft / 2040 - 86 ft  Widening: 2 to 4 lanes	Bike Class: None MA / 2.1 miles / Local	1
D-13	West Davis Corridor to I-15	ROW: 2007 - 60 ft / 2040 - 99 ft	Bike Class: Priority 2	3
D-14	2600 South / 1100 North Redwood Road to I-15	Operational	MA / 1.4 miles / Local Bike Class: Priority 2	1
D-15	Center Street Redwood Road to US-89	Operational	COL / 1.1 miles / Local Bike Class: Priority 1	1
Davis	County, North-South Facilities			
D-16	West Davis Corridor Weber County Line to Syracuse Road	New Construction: 0 to 4 lanes ROW: 2007 - 0 ft / 2040 - 320 ft	FWY / 4.8 miles / UDOT Bike Class: Priority 1	2
D-17	West Davis Corridor	New Construction: 0 to 4 lanes	FWY / 11.8 miles / UDOT	1
	Syracuse Road to I-15 / US-89 / Legacy Parkway	ROW: 2007 - 0 ft / 2040 - 320 ft	Bike Class: Priority 1	

ID#	PROJECT	DESCRI	PTION	PHASE
D-18	West Davis Corridor	Corridor Preservation	FWY / 4.8 miles / UDOT Bike Class: Priority 1	1
D-19	Weber County Line to Syracuse Road 3000 West	ROW: 2007 - 0 ft / 2040 - 320 ft  New Construction: 0 to 2 lanes	COL / 0.5 miles / Local	1
	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	
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	3
	Gordon Avenue to Layton Parkway  Redwood Road	ROW: 2007 - 0 ft / 2040 - 99 ft Widening: 2 to 4 lanes	Bike Class: 2 MA / 1.7 miles / UDOT	
D-24	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	2
D-25	Weber County Line to Hill Field Road (SR-232)	ROW: 2007 - 328 ft / 2040 - 328 ft	Bike Class: None	1
D-26	I-15 US-89 (Farmington) to I-215	Widening: 8 to 8+HOV lanes ROW: 2007 - 328 ft / 2040 - 328 ft	FWY / 10.6 miles / UDOT Bike Class: None	1
D-28	US-89	Widening: 4 to 6 lanes	FWY / 3.2 miles / UDOT	2
D-29	I-84 to Antelope Drive US-89	ROW: 2007 - 120 ft / 2040 - 150 ft Widening: 4 to 6 lanes	Bike Class: Priority 2 FWY / 7.4 miles / UDOT	3
	Antelope Drive to I-15 (Farmington)	ROW: 2007 - 120 ft / 2040 - 150 ft	Bike Class: Priority 2	3
Davis	County, Spot Facilities			
D-30	1800 North Overpass @ 500 West Rail Road Crossing	New Construction: 2 to 4 lanes	MA / UDOT Bike Class: Priority 2	1
D-31	I-15 Interchange @ 1800 North	New Construction	FWY / UDOT Bike Class: Priority 2	1
D-32	I-15 Interchange	Upgrade	FWY / UDOT	3
	@ 650 North	Upgrade	Bike Class: None FWY / UDOT	
D-33	@ Syracuse Road	1.0	Bike Class: Priority 2 FWY / UDOT	3
D-35	I-15 Interchange @ Hill Field Road	Upgrade	Bike Class: None	2
D-36	I-15 Interchange  @ Shepard Lane	New Construction	FWY / UDOT Bike Class: None	1
D-37	I-15 Interchange	Upgrade	FWY / UDOT	3
	@ Parrish Lane	Upgrade	Bike Class: Priority 2 FWY / UDOT	
D-38	@ 400 North / 500 West		Bike Class: None FWY / UDOT	3
D-39	@ 500 South	Upgrade	Bike Class: Priority 2	1
D-40	I-15 Interchange @ 2600 South	Upgrade	FWY / UDOT Bike Class: Priority 2	1
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
	@ 400 North (Fruit Heights)  Nicholl's Road Overpass	New Construction: 0 to 2 lanes	Bike Class: Priority 2 COL / Local	
D-49	@ US-89		Bike Class: None	3
Webe	r County, East-West Facilities			
W-1	Skyline Drive (North) US-89 to 450 East	New Construction: 0 to 2 lanes ROW: 2007 - 0 ft / 2040 - 86 ft	COL / 3.6 miles / Local Bike Class: Priority 3	1
W-2	Skyline Drive (North)	New Construction: 0 to 2 lanes	COL / 3.1 miles / Local	2
	450 East to 2600 North  1700 North	ROW: 2007 - 0 ft / 2040 - 86 ft  New Construction: 0 to 2 lanes	Bike Class: Priority 3  COL / 1.2 miles / Local	3
W-3	US-89 to 400 East  Larsen Lane	ROW: 2007 - 0 ft / 2040 - 66 ft Widening: 2 to 4 lanes	Bike Class: 1 MA / 0.5 miles / Local	
W-4	US-89 / Wall Avenue to 400 East	ROW: 2007 - 60 ft / 2040 - 89 ft	Bike Class: None	3
W-5	Pioneer Road (400 North) I-15 to 1200 West	Re-stripe: 2 to 4 lanes ROW: 2007 - 110 ft / 2040 - 110 ft	COL / 1 miles / Local Bike Class: Priority 2	1
W-5a	Pioneer Road	Re-align	COL / 2.5 miles / Local	1
W-6	SR-126 (1900 West) to SR-134 (4700 West)  1200 South	ROW: 2007 - 110 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: Priority 2  COL / 2.1 miles / UDOT	3
	SR-67 (North Legacy Corridor) to 4700 West	ROW: 2007 - 55 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: Priority 2 PA / 4.8 miles / UDOT	
W-7	4700 West to I-15	ROW: 2007 - 92 ft / 2040 - 110 ft	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 Wall Avenue to Adams Avenue	Operational	COL / 0.6 miles / Local Bike Class: None	1
W-10	24th Street	Widening: 2 to 4 lanes	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	DESCRIPTION		
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	1
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)	Widening: 4 to 6 lanes	PA / 1 miles / UDOT	1
W-17	1900 West (SR-126) to I-84  5600 South / 5500 South	ROW: 2007 - 99 ft / 2040 - 120 ft Widening: 2 to 4 lanes	Bike Class: 3  MA / 3.1 miles / UDOT	2
W-18	5900 West (Hooper) to 3500 West  5600 South	ROW: 2007 - 68 ft / 2040 - 86 ft Widening: 2 to 4 lanes	Bike Class: Priority 3 MA / 2 miles / UDOT	2
Webe	3500 West to 1900 West (SR-126) r County, North-South Facilities	ROW: 2007 - 66 ft / 2040 - 99 ft	Bike Class: Priority 2 and 3	
	SR-67 (North Legacy Corridor)	Corridor Preservation	FWY / 15.6 miles / UDOT	1
W-19	I-15 (North) to 4000 South  SR-67 (North Legacy Corridor)	ROW: 2007 - 0 ft / 2040 - 220 ft  Corridor Preservation	Bike Class: Priority 1 FWY / 3.3 miles / UDOT	
W-20	4000 South to Davis County Line	ROW: 2007 - 0 ft / 2040 - 220 ft	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	Widening: 2 to 4 lanes	MA / 3.8 miles / Local	3
W-24	1200 South to 4000 South  4700 West	ROW: 2007 - 82 ft / 2040 - 110 ft  New Construction: 0 to 2 lanes	Bike Class: None COL / 0.3 miles / Local	1
W-25	4600 South to 4800 South  3500 West	ROW: 2007 - 0 ft / 2040 - 66 ft Operational	Bike Class: None COL / 4.6 miles / Local	2
W-26	1200 South to Midland Drive 3500 West (SR-108)	Widening: 2 to 4 lanes	Bike Class: Priority 3 MA / 1.6 miles / UDOT	1
	Midland Drive to Davis County Line 1900 West / 2000 West (SR-126)	ROW: 2007 - 66 ft / 2040 - 110 ft Widening: 2 to 4 lanes	Bike Class: Priority 3 MA / 4.3 miles / UDOT	
W-27	2700 North to 1200 South	ROW: 2007 - 66 ft / 2040 - 120 ft	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	1
W-30	I-15 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	1
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	Operational	PA / 3.8 miles / Local	2
W-36	2600 North to 12th Street  Harrison Boulevard	Operational	Bike Class: Priority 3 PA / 4.7 miles / UDOT	1
W-30	12th Street to Country Hills Drive  Harrison Boulevard	Widening: 4 to 6 lanes	Bike Class: Priority 2 & None PA / 4.8 miles / UDOT	3
	Country Hills Drive to US-89 US-89	ROW: 2007 - 99 ft / 2040 - 123 ft Widening: 4 to 6 lanes	Bike Class: Priority 2 FWY / 2 miles / UDOT	
W-38	Harrison Boulevard to I-84  Skyline Drive	ROW: 2007 - 120 ft / 2040 - 120 ft  New Construction: 0 to 2 lanes	Bike Class: Priority 2  COL / 0.6 miles / Local	2
W-39	1. Fern Drive / 2. Ogden City Limits to 1. 4600 South / 2.  Eastwood Boulevard	ROW: 2007 - 0 ft / 2040 - 80 ft	Bike Class: Priority 3	1
Webe	r County, Spot Facilities			
W-41	I-15 Interchange @ 24th Street	Upgrade	FWY / UDOT Bike Class: Priority 3	2
W-42	I-15 Interchange @ Riverdale Road (SR-26)	Upgrade	FWY / UDOT Bike Class: 3	1
W-43	I-15 Interchange	Upgrade	FWY / UDOT	3
W-44	@ 5600 South US-89 Interchange	Upgrade	Bike Class: 2 FWY / UDOT	3
A A4-4	@ I-84		Bike Class: Priority 2	,

#### 2040 RTP TRANSIT PROJECT LIST

PROJECT		LOCATION								
Needed Mode	Funded Mode	From	То							
Phase 1										
	ake (First of Three P	hases)								
		D - Newgate Mall - Riverdale - Clearfield	- Hill Air Force Base - Layton							
		- Centerville - Bountiful - Woods Cross								
Central - Downtown Salt La		200	Trong dan zame dan zame							
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	651 N./SR-126									
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	University (First of	Two Phases)								
		eber State University - McKay Dee Hospi	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/Edvalsor							
Streetcar	Bus Rapid Transit	Harrison Boulevard/Edvalson Ave	McKay-Dee Hospital							
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West Davis - West W		All Divordale Day Frant Divorage Chatles	Most Hoven Olisten Mist							
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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-A	· · · · · · · · · · · · · · · · · · ·	Weber County Line	2000 W./Antelope Di							
Near Pineview Dam										
Park-and -Ride	Park-and-ride	Near Pineview Dam								
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Falcon Hill - Hill AFB Falcon Hill - Hill AFB West Transit Hub Salt Lake City - Foot Salt Lake Central - Salt Lake Cottonwood Corporate Cent Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Fark City Salt Lake Central - 200 Soc Enhanced Bus (BRTI) State (First of Three Salt Lake Central - Capitol - FrontRunner Station - Drap Bus Rapid Transit Redwood (First of The Downtown Salt Lake - Salt Jordan - Riverton - Draper In Bus Rapid Transit	B West Transit Center  Gate Transit Hub  hill Drive - Wasatch It  te City - University of Utah - ter - Big Cottonwood Canyo Enhanced Bus (BRTI) Bus Rapid Transit Enhanced Bus (BRTI)  th - University of Utah - Me Operations only Phases) - South Salt Lake - Millcree ter FrontRunner Station Enhanced Bus (BRTI) Tree Phases)  Lake Central - Interstate 80	New Hill AFB West Gate  Drive (First of Three Phases)  Medical Center - Research Park - Parle on - Little Cottonwood Canyon  Salt Lake Central  Medical Dr./ Research Rd  New Rd at Wakara Way  dical Center - Foothill - Interstate 80 - Su  Salt Lake Central  k - Murray FrontRunner Station - Midvale  200 S./State St  State St/Winchester St  9000 S.  - Airport East Hub - West Valley - Taylo  N. Temple/Redwood Rd	Medical Dr./ Research Rd New Rd at Wakara Way Arapeen Dr/Chipeta Way  Armmit County Line Summit County Line  State St/Winchester St 9000 S. Draper FrontRunner  rsville - West Jordan - South  SR-201							
Falcon Hill - Hill AFB Falcon Hill - Hill AFB West Transit Hub Salt Lake City - Foot Salt Lake Central - Salt Lake Cottonwood Corporate Cent Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Fark City Salt Lake Central - 200 Soc Enhanced Bus (BRTI) State (First of Three Salt Lake Central - Capitol - FrontRunner Station - Drap Bus Rapid Transit Redwood (First of The Downtown Salt Lake - Salt Jordan - Riverton - Draper In Bus Rapid Transit	Gate Transit Hub hill Drive - Wasatch It we City - University of Utaheter - Big Cottonwood Canyo Enhanced Bus (BRTI) Bus Rapid Transit Enhanced Bus (BRTI)  July - University of Utah - Me Operations only Phases) - South Salt Lake - Millcreeter FrontRunner Station Enhanced Bus (BRTI) Aree Phases) Lake Central - Interstate 80 FrontRunner Station	New Hill AFB West Gate  Drive (First of Three Phases)  Medical Center - Research Park - Parle on - Little Cottonwood Canyon  Salt Lake Central  Medical Dr./ Research Rd  New Rd at Wakara Way  dical Center - Foothill - Interstate 80 - Su  Salt Lake Central  k - Murray FrontRunner Station - Midvale  200 S./State St  State St/Winchester St  9000 S.  - Airport East Hub - West Valley - Taylo	Medical Dr./ Research Rd New Rd at Wakara Way Arapeen Dr/Chipeta Way  Armmit County Line Summit County Line e - Sandy/South Jordan  State St/Winchester St 9000 S. Draper FrontRunner  sville - West Jordan - South							
Falcon Hill - Hill AFB Falcon Hill - Hill AFB West Transit Hub Salt Lake City - Foot Salt Lake Central - Salt Lake Cottonwood Corporate Cent Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Fark City Salt Lake Central - 200 Soc Enhanced Bus (BRTI) State (First of Three Salt Lake Central - Capitol - FrontRunner Station - Drap Bus Rapid Transit	Gate Transit Hub hill Drive - Wasatch It de City - University of Utah- nter - Big Cottonwood Canyo Enhanced Bus (BRTI) Bus Rapid Transit Enhanced Bus (BRTI)  Atth - University of Utah - Me Operations only Phases) - South Salt Lake - Millcree ner FrontRunner Station Enhanced Bus (BRTI) Tree Phases) Lake Central - Interstate 80 FrontRunner Station Enhanced Bus (BRTI)	New Hill AFB West Gate  Drive (First of Three Phases)  Medical Center - Research Park - Parle on - Little Cottonwood Canyon  Salt Lake Central  Medical Dr./ Research Rd  New Rd at Wakara Way  dical Center - Foothill - Interstate 80 - Su  Salt Lake Central  k - Murray FrontRunner Station - Midvale  200 S./State St  State St/Winchester St  9000 S.  - Airport East Hub - West Valley - Taylo  N. Temple/Redwood Rd	Medical Dr./ Research Rd New Rd at Wakara Way Arapeen Dr/Chipeta Way  Armmit County Line Summit County Line  State St/Winchester St 9000 S. Draper FrontRunner  rsville - West Jordan - South  SR-201							
Falcon Hill - Hill AFB Falcon Hill - Hill AFB West Transit Hub Salt Lake City - Foot Salt Lake Central - Salt Lake Cottonwood Corporate Cent Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Bus Rapid Transit Fark City Salt Lake Central - 200 Sou Enhanced Bus (BRTI) State (First of Three Salt Lake Central - Capitol - FrontRunner Station - Drap Bus Rapid Transit	Gate Transit Hub hill Drive - Wasatch It de City - University of Utaheter - Big Cottonwood Canyo Enhanced Bus (BRTI) Bus Rapid Transit Enhanced Bus (BRTI)  Just - University of Utah - Me Operations only Phases) - South Salt Lake - Millcree eer FrontRunner Station Enhanced Bus (BRTI) Tree Phases) Lake Central - Interstate 80 FrontRunner Station Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI) Enhanced Bus (BRTI)	New Hill AFB West Gate  Drive (First of Three Phases)  Medical Center - Research Park - Parle on - Little Cottonwood Canyon  Salt Lake Central  Medical Dr./ Research Rd  New Rd at Wakara Way  dical Center - Foothill - Interstate 80 - Su  Salt Lake Central  k - Murray FrontRunner Station - Midvale  200 S./State St  State St/Winchester St  9000 S.  - Airport East Hub - West Valley - Taylo  N. Temple/Redwood Rd  SR-201	Medical Dr./ Research Rd New Rd at Wakara Way Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Arapeen Dr/Chipeta Way  Sample Summit County Line  State St/Winchester St 9000 S. Draper FrontRunner  Arapeen Dr/Chipeta Way							

PROJECT_	PROJECT LOCATION					
Needed Mode	Funded Mode	From	То			
Draper Line North S	Segment					
•	n - 12600 South TRAX Station					
Light Rail	Light Rail	10000 S. TRAX Station	12600 S. TRAX			
5600 West (First of	1 0	Toda C. Tribot Clasion	12000 0. 110 00			
	•	Airport East Hub - International Cente	er - West Valley - Kearns - West			
Jordan - Daybreak Station		Timport Last Flab Timornational Conte	west valley Reallis West			
Rail/Bus Rapid Transit	Corridor Preservation	Salt Lake International Airport	5600 W./2700 S.			
Rail/Bus Rapid Transit	Bus Rapid Transit	5600 W./2700 S.	5600 W./6200 S.			
Rail/Bus Rapid Transit	Corridor Preservation	5600 W./6200 S.	11800 S.			
200 South Streetcar	•					
Salt Lake Central - Downto	own Salt Lake – Harmons Groo	cery				
Streetcar	Streetcar	600 W./200 S.	200 S./200 East			
Sugarhouse						
Sugarhouse - South Salt I	.ake – North/South TRAX Line					
Streetcar	Streetcar	2100 S. TRAX	Highland Dr/Sugarmont			
3900/3500 South (Fi	rst of Three Phases)					
•	•	Most Valley West Peach				
<i>East Millicreek - Holladay -</i> Bus Rapid Transit	Millcreek - South Salt Lake - V 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	(First of Two Phases)				
Salt Lake Community Coll	ege Redwood Campus - Ameri	ican Express - West Valley Intermoda	l Center			
Bus Rapid Transit	Enhanced Bus (BRTI)	4500 S./Redwood Rd	W. Valley Intermodal Ctr			
West Bench, Daybro	eak Segment					
Daybreak – 8400 West						
Corridor Preservation	Corridor Preservation	Daybreak S. Station	11400 S./8400 W.			
Phase 2						
	ew Frequency Improve	ements				
•						
<i>Downtown Ogden - Pleasa</i> Commuter Rail	Commuter Rail	Ogden Intermodal Center	Pleasant View FrontRunner			
			Fleasant view i fonthumen			
•	e University (Second o	,				
	1 -	er State University - McKay Dee Hosp	·			
Streetcar	Streetcar	Ogden Intermodal Center	Washington/27th St			
Streetcar	Streetcar	Washington/27th St	Washington/36th St			
Streetcar	Streetcar	Washington/36th St	Harrison/Edvalson Av McKay-Dee Hospital			
Streetcar	Streetcar	Harrison Boulevard/Edvalson Av	McKay-Dee Hospital			
	Lake (Second of Three					
		Newgate Mall - Riverdale - Roy Fron e Base - Layton FrontRunner Station				
		e Base - Layton Fronthunner Station Salt Lake Central - Downtown Salt La				
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	2700 N./Washington Boulevard	12th St/Washington Boulevar			
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	4400 S./UP-HAFB ROW	Davis County Line			
Bus Rapid Transit	Bus Rapid Transit	Davis County Line	HAFB West Gate			
Bus Rapid Transit	Bus Rapid Transit	200 N./State St	Clearfield FrontRunner			
Bus Rapid Transit	Enhanced Bus (BRTI)	Clearfield FrontRunner	Farmington FrontRunner			
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Farmington FrontRunner	Parrish Lane/Main St			
Rail/Bus Rapid Transit	Bus Rapid Transit	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						

PROJECT		LOCATION						
Needed Mode	Funded Mode	From	То					
Hill AFB South Gate	'	1	'					
Transit Hub	Transit Hub							
Antelope Drive Parl								
Antelope Dr/US-89								
Park-and -Ride	Park-and-Ride							
North Redwood (Fig								
•	•							
East Bountiful - West Bountiful - Woods Cross FrontRunner Station - N. Salt Lake - North Temple - Downtown Salt Lak								
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	500 S./Orchard Dr	500 S./Redwood Rd					
Enhanced Bus (BRTI) Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	500 S./Redwood Rd 2600 S. Redwood Rd	2600 S. Redwood Rd Salt Lake County Line					
	Enhanced Bus (BRTI)							
		rive (Second of Three Phases						
	ake City - University of Utan - N enter - Big Cottonwood Canyon	ledical Center - Research Park - Parle	y's Canyon - Interstate 215 -					
Bus Rapid Transit	Bus Rapid Transit	Salt Lake Central	200 S./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-80/I-215/Foothill Dr					
State (Second of Th			·					
		Murray FrontRunner Station - Midvale	e - Sandy/South Jordan					
FrontRunner Station - Dra		Warray Tronki tallilor Otation Wilavale	Canay/Court Cordan					
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	200 S./300 W.	600 S./State St					
Bus Rapid Transit	Bus Rapid Transit	600 S./State St	Interstate 80					
Bus Rapid Transit	Bus Rapid Transit	Interstate 80	Winchester St					
Redwood (Second								
		Airport East Hub - West Valley - Taylo	rsville - West Jordan - South					
Jordan - Riverton - Drape								
Bus Rapid Transit	Bus Rapid Transit	SR-201	5400 S.					
Bus Rapid Transit	Bus Rapid Transit	5400 S.	9000 S.					
Bus Rapid Transit	Bus Rapid Transit	9000 S.	12600 S.					
Bus Rapid Transit	Enhanced Bus (BRTI)	12600 S./Redwood Rd	12300 S./Pony Express Rd					
University to Salt L	ake Central							
Medical Center - Universi	ty of Utah - Salt Lake Downtow	n West - Salt I ake Central						
Light Rail	Light Rail	400 S./Main St	Salt Lake Central					
	hird of Four Phases)							
-								
	- Millcreek - South Salt Lake - V		1 0500 0 (0000 14)					
Bus Rapid Transit	Bus Rapid Transit	3500 W./6000 W.	3500 S./9200 W.					
Bus Rapid Transit Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Millcreek TRAX	3900 S./Highland Dr					
` '		3900 S./Highland Dr	3900 S./Wasatch Dr					
i aylorsville Murray	, Holladay Extension							
Downtown Murray - Holla	day - Wasatch Drive							
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Box Elder St/4800 S.	3900 S./Wasatch Dr					
<b>Taylorsville Murray</b>	Central Segment (Seco	ond of Two Phases)						
•	•	sen Research Park - SLCC Redwood (	Compus					
Bus Rapid Transit	Bus Rapid Transit	Box Elder St/4800 S.	Murray-Taylorsville Rd/500 W					
Bus Rapid Transit	Bus Rapid Transit	Murray-Taylorsville Rd/500 W.	Murray-Taylorsville/Redwood					
·			Murray-Taylorsville/ Hedwood					
•	•	(Second of Two Phases)						
		ican Express - West Valley Intermodal						
Bus Rapid Transit	Bus Rapid Transit	4500 S./Redwood Rd	4400 S./Constitution					
5400 South (First of	f Two Phases)							
•	•	NNA 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.					
	outh (First of Two Phase		1.00 00.200 11.					
	•	•						
Murray FrontRunner Stati	on - Bingham Junction - Jordan	Landing - West Bench						

PROJECT		LOC	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.					
	(First of Three Phases	s)	, , ,					
	•	iverton - Herriman - Daybreak TRAX S	Station					
Bus Rapid Transit	Enhanced Bus (BRTI)	Daybreak S. TRAX						
Bus Rapid Transit			Redwood Rd/12600 S.  Draper TRAX					
Bus Rapid Transit Bus Rapid Transit	Enhanced Bus (BRTI)  Corridor Preservation		Pony Express Rd Pony Express Rd					
·		700 East	Pony Express Rd					
	n Bus Transit Center							
200 South ./ State Street	Tuesesit I I I I I	000 C /Ct-t- Ct						
Fransit Hub	Transit Hub	200 S./State St						
East Airport Transit								
	d Airport TRAX Line Station							
Transit Hub	Transit Hub	1950 W. Redwood Rd						
nterstate-80 Transi	t Only Ramps							
About 900 West / Intersta								
Transit Only Ramps	Transit Only Ramps	Near 900 W. and 200 S.						
Phase 3								
Pleasant View – Bri	gham City							
Downtown Ogden - Box E	lder County Line							
Mode Undetermined	Corridor Preservation	Pleasant View FrontRunner	Box Elder County Line					
West Weber/West D	avis (Second of Two	Phases)						
	•	ll - Riverdale - Roy FrontRunner Statio	n - West Haven - Clinton - West					
	eld - Hill Air Force Base - Lay		TO WEST HAVEIT CHIRETT WEST					
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	Elinancea bas (bitti)	2000 W./Aintelope Di	Tim Ficia Ha/iwam et.					
•								
Ogden Intermodal Center								
Mode Undetermined	Streetcar	25th/Washington	20th/Lincoln					
Mode Undetermined	Streetcar	20th/Lincoln	20th/Washington					
Mode Undetermined	Streetcar	20th/Washington	23rd/Washington					
North Ogden - Salt	Lake (Third of Three I	Phases)						
Clinton - West Point - Syra	acuse - Clearfield - Hill Air Fo	) - Newgate Mall - Riverdale - Roy Fro. rce Base - Layton FrontRunner Statior - Salt Lake Central - Downtown Salt L	n - Farmington FrontRunner Statio					
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 (Se	cond of Two Phases)							
East Bountiful - West Bou	ntiful - Woods Cross FrontRu	nner Station - North Salt Lake - North	Temple - Downtown Salt Lake					
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Davis County Line	N. Temple/Redwood Rd					
Salt Lake City - Foo	thill Drive - Wasatch [	Drive						
Salt Lake Central - Salt La	ake City - University of Utah -	Medical Center - Research Park - Par on - Little Cottonwood Canyon	rley'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)								
, ,	, .	llcreek - Holladay - Murray - Fort Union	n - Cottonwood Heights – Midvale					
Bus Rapid Transit	Enhanced Bus (BRTI)	1300 East/200 S.	Ft Union Boulevard/Union Pa					
1300 East (South)	,/							
		NV Chatian Michaela Fact Union Cat	to an use of Unichts County Duone					
<i>Murray FrontRunner Statio</i> Bus Rapid Transit <b>700 East</b>	on - Fashion Place West TRA Bus Rapid Transit	Ft Union Boulevard/Union Park Av						

PROJECT		LOCATION					
Needed Mode	Funded Mode	From	То				
Salt Lake Central – Soutl	h Salt lake - Millcreek - Murray	- Holladay - Cottonwood Heights - Fo	rt Union				
Bus Rapid Transit	Bus Rapid Transit	200 S./200 East	Highland/Ft Union Boulevard				
State (Third of Thre	ee Phases)						
		- Murray FrontRunner Station - Midva	ale - Sandy/South Jordan				
FrontRunner Station - Dr	aper FrontRunner Station	,					
Bus Rapid Transit	Bus Rapid Transit	9000 S.	Draper FrontRunner				
<b>Draper South Segn</b>	nent						
		FrontRunner Station - Midvale - Sand	dy - Draper - Utah County Line				
Light Rail	Light Rail	Draper TRAX	14600 S./Interstate 15				
Light Rail	Light Rail	14600 S./Interstate 15	Utah County Line				
Redwood (Third of							
•	•	- Airport East Hub - West Valley - Tay	lorsville - West Jordan - South				
Jordan - Riverton - Drape		Timport East Tab West Valley Tay	ioravine West berdan eedin				
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	I-80/Redwood Rd	SR-201/Redwood Rd				
Bus Rapid Transit	Bus Rapid Transit	12600 S./Redwood Rd	12300S/Pony Exp Rd				
5600 West (Second							
		- Airport East Hub - International Cent	ter - West Valley - Kearns - West				
Jordan - Daybreak Statio		1=	· · · · · · · · · · · · · · · · · · ·				
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, Westi	minster Segment						
Westminster College - Su	ugarhouse – South Salt Lake –	North/South TRAX Line					
Streetcar	Streetcar	Highland Dr/Sugarmont Dr	1700 S./1100 East				
Parkway							
Downtown Salt Lake - Sa	alt I ake Central - Interstate 80	- Airport East Hub - Decker Lake - Lak	ke Park - West Valley City – Kearn				
Bus Rapid Transit	Bus Rapid Transit	Redwood Rd/Parkway Boulevard	5600 W./Parkway Boulevard				
· · · · · · · · · · · · · · · · · · ·	Forth of Four Phases)	, , , , , , , , , , , , , , , , , , , ,					
•	•	Most Valley Most Danah					
	- Millcreek - South Salt Lake - Enhanced Bus (BRTI)	9200 W./3500 S.	Little Valley				
Enhanced Bus (BRTI) 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			Cook our ng.man.o				
•	•						
		SANA Amphitheater - West Bench	1 7000 W				
Bus Rapid Transit Enhanced Bus (BRTI)	Bus Rapid Transit	Murray Boulevard/Vine St	7200 W. 8400 W.				
	Enhanced Bus (BRTI)	7200 W.	8400 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 S	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							
	ntRunner Station - Mid-Jordan	TRAX Station					
Bus Rapid Transit	Bus Rapid Transit	9000 S./State St	9000 S./Redwood Rd				
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	9000 S./State St 9000 S./Redwood Rd	Mid-Jordan TRAX				
9400 South		1 2 2 2 2 3 7 10 2 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	, and cordain fill by				
		outh Jordan FrontRunner Station	Links Oaks 10				
Mode Undetermined	Bus Rapid Transit	9400 S./State St	Little Cottonwood Canyon				

PROJECT		LOCATION								
Needed Mode	Funded Mode	From	То							
10200/10400 South										
South Jordan FrontRunner Station - Daybreak TRAX Station										
Enhanced Bus (BRTI)	Enhanced Bus (BRTI)	Jordan Gateway/S Jordan Parkway	Daybreak North TRAX							
12300/12600 South (*	Third of Three Phases	)								
Draper TRAX Station - Drap	oer FrontRunner Station - Rive	erton - Herriman - Daybreak TRAX Stat	tion							
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	d 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 C	enter									
Union Park Avenue/Fort Un	ion Boulevard									
Transit Hub	Transit Hub	Union Park Ave/Ft Union Boulevard								
Little Cottonwood Ca	anyon Park-And-Ride									
Wasatch Boulevard - Mouth	n of Little Cottonwood Canyon									
Park-and-Ride	Park-and -Ride	Little Cottonwood Canyon								
Big Cottonwood Can	yon Park-And-Ride									
	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						
I-15 at MP 362.0 US-91, (1100 South Brigham City) <b>STIP CD</b>	Interchange 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 City south Interchange	Widening/Safety /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				

<sup>\*</sup>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