

SKATS 2016

Obligation Report

Salem-Keizer Area Transportation Study (SKATS)
FY 2016 Obligation Report
December 2017



Salem Keizer Area Transportation Study

Cover Photos

Top center: Peter Courtney Minto Island Bridge under construction

Middle left: Winter Street SE bridge completed

Middle center: Rideshare van

Middle right: Transit Bus on Brown Road

Bottom left: Verda/Chemawa roundabout (photo by photosbyorion.com)

Bottom right: 45th Avenue needs sidewalks and bike lanes

Obligation Report Federal Fiscal Year 2016

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Salem-Keizer Area Transportation Study

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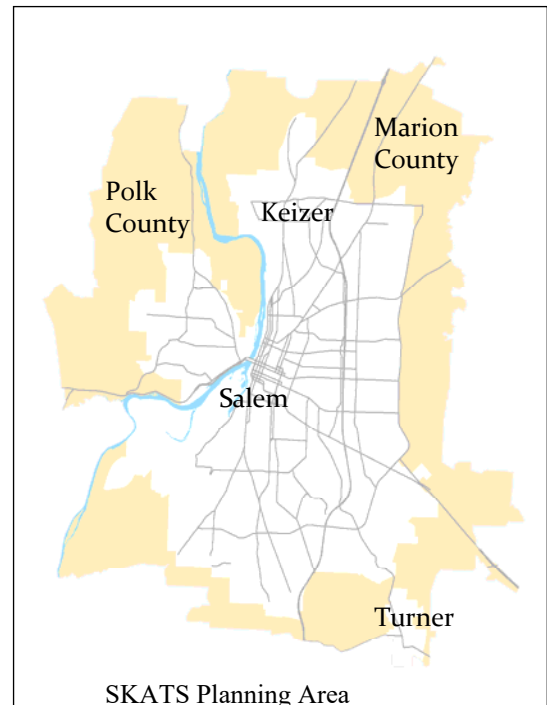
Introduction

The projects and programs contained in the SKATS Transportation Improvement Program (TIP) and for which federal funds were obligated during Federal Fiscal Year 2016 (October 1, 2015 through September 30, 2016) are documented in this 2016 Obligation Report.

Obligation is defined as the federal government's commitment to pay the federal share of a project's cost. Federal funds are obligated by either the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA). For FTA projects, obligation occurs when a FTA grant is awarded and available for execution following Department of Labor review. For FHWA projects, obligation occurs when a project agreement is executed, and ODOT requests that federal funds be obligated (made available) for reimbursing project costs.

All projects, project phases, and programs that use federal funds are required to be listed in the approved MPO Metropolitan Transportation Improvement Program (MTIP) and the state transportation improvement program (STIP).

Information contained in this report was obtained from FHWA'S FMIS (Fiscal Management Information System) and from Salem-Keizer Transit staff regarding FTA grants. **An issue with FMIS caused a delay in delivering this report.**



Map of the SKATS Region

SKATS—Salem –Keizer Area Transportation Study

As the designated Metropolitan Planning Organization (MPO) for the Salem-Keizer Area Transportation Study (SKATS), the Mid-Willamette Valley Council of Governments (MWVCOG) is responsible for planning, programming, and coordinating federal transportation improvement investments throughout the region. To achieve this objective of regional transportation planning, SKATS has developed important partnerships with the State of Oregon; Marion County; Polk County; Salem Keizer Transit; Salem Keizer School District; and the cities of Salem, Keizer, and Turner. SKATS coordinates its regional planning efforts with the Oregon Department of Transportation (ODOT), the Federal Highway Administration (FHWA), and the Federal Transit Administration (FTA).

Summary of Previous Years Federal Obligations

The amount of funds that were obligated through programs overseen by both the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) in recent years are summarized in **Table 1**. The number of projects that have at least one phase that was obligated is included for each year. A project is typically included in more than one year as not all phases of a project are always obligated in the same year. [For example, with a road project: the design may start in year one, right-of-way may occur in year two, and construction in year three.] Therefore, adding the number of projects for each year will not result in the total number of projects receiving federal funds. The amount of funds obligated can vary dramatically from one year to the next due to a variety of reasons. An example of this is the American Recovery and Reinvestment Act of 2009 (ARRA) which provided additional funds to the SKATS area and are reflected in the 2009 and 2010 funding amounts. Large variations in obligation amounts can also occur when the construction phase of a very large project is obligated or several buses are purchased in a single year. Transit formula funds are sometimes combined into a biennial program which causes fluctuations from year to year.

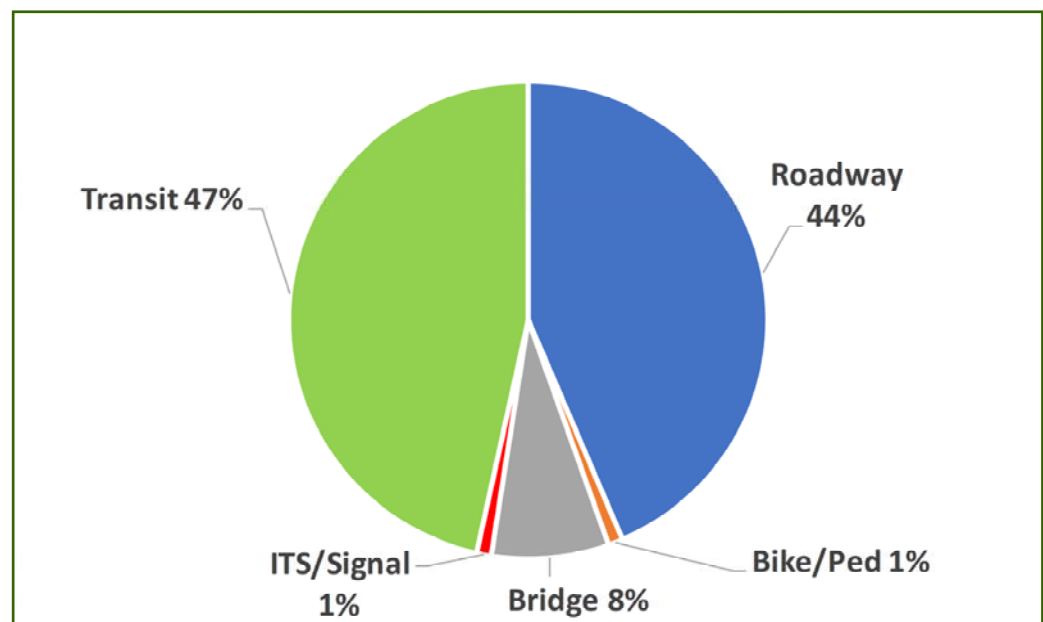
Table 1

Summary of Federal Obligations from 2008 to 2016						
Year Reported	FHWA		FTA		Total Number of Projects *	Total Funds Obligated
	Number of Projects with Obligated Funds*	Funds Obligated	Number of Projects with Obligated Funds*	Funds Obligated		
2008	13	\$ 7,603,364	7	\$ 4,649,459	20	\$ 12,252,823
2009	20	\$ 25,636,270	3	\$ 4,663,038	23	\$ 30,299,308
2010	16	\$ 12,654,873	15	\$ 15,386,064	31	\$ 28,040,937
2011	11	\$ 3,421,070	3	\$ 5,105,790	14	\$ 8,526,860
2012	12	\$ 15,282,037	6	\$ 5,216,186	18	\$ 20,498,223
2013	16	\$ 11,328,216	4	\$ 7,002,818	20	\$ 18,331,034
2014	9	\$ 6,446,242	7	\$ 11,296,634	16	\$ 17,742,876
2015	13	\$ 10,033,858	7	\$ 4,376,040	20	\$ 14,409,898
2016	10	\$ 10,930,048	5	\$ 9,617,847	15	\$ 20,547,895
Totals**		\$ 103,335,978		\$ 67,713,876		\$ 170,649,854
* Number of projects with one or more phases obligated during the fiscal year ** Totals do not include corrections from previous years						

Summary of Federal Obligations in FY 2016

A total of \$20,547,895 of FHWA and FTA federal funds were obligated in Federal Fiscal Year 2016 on 15 regionally significant transportation improvement projects and programs within SKATS. (See **Tables 2** and **4** for detailed information including category of each project.) Of this, \$9,617,847 (47%) was invested in transit projects; \$177,713 (1%) was invested in bicycle and pedestrian improvement projects (preliminary design of several projects); \$1,594,770 (8%) was invested in bridge projects; \$9,017,565 (44%) was invested in roadway projects; and the remaining \$140,000 (1%) was invested in intelligent transportation systems (ITS) and signal projects. (See **Figure 1**.) While “safety” is not one of the specified categories, it should be noted that most projects also contain a multi-modal safety component. There also was a total of \$(54,074) in adjustments and corrections to previous year federal obligations. (See **Table 3**.)

Figure 1
2016 Federal Funds Obligated by Category
(Does not include state or local funds in the project.)



Verda at Chemawa Roundabout Ribbon Cutting Ceremony in Keizer



Design was started on the project to provide sidewalks and bike lanes on Brown Road NE between San Francisco and Sunnyview

Annual Listing of Obligated Projects—SKATS



Regional Traffic Control Center



45th Avenue near Chemeketa Community College before construction



Brown Road before construction



Cherriots West Salem Connector

The following information regarding the obligation of federal funds for project phases, programs, and transit FTA grants are illustrated in **Tables 2, 3, and 4**:

- FMIS number or FTA project number, which is the federal tracking number;
- MTIP/STIP Key Number;
- Lead agency or agencies responsible for carrying out the project or phase;
- Project name and description;
- Whether or not the project includes walkway or bicycle facilities (roadway projects only);
- Project phase;
- Source of federal funds;
- Total amount of federal funds programmed in the MTIP;
- Amount of federal funds obligated in previous years;
- Amount of federal funds obligated in the 2016 program year;
- Amount of federal funds available for future years;
- Amount of local funds available;
- Total amount of obligated funds-previous, current, and future years; and
- Total amount of funding for program, project, or project phase (federal plus non-federal amount).

- ⇒ Non-transit project obligations for federal fiscal year 2016 are illustrated in **Table 2**.
- ⇒ Adjustments and corrections to projects from prior fiscal years, primarily to funded projects and planning funds that were incorrectly obligated or are closing out a project are illustrated in **Table 3**.
- ⇒ Public transportation projects in the SKATS TIP in which funds were obligated by FTA and FHWA to the Salem Keizer Transit District are illustrated in **Table 4**.

Annual Listing of Obligated SKATS Transportation Projects Federal Fiscal Year 2016 Table 2 FHWA Non-Transit Projects (Page 1 of 3)

FHWA Project Number (FMIS)	Project Key #	Responsible Agency	Project Name/Description	Includes Walkways and Bikelanes	Phase (FMIS)	Federal Funding					Total Obl Previous, Current, and Future Years*	Local or State Funds	Total Federal, State, and Local Funds
						Funding Source	Fed Amount Programmed in TIP	Fed Funds Obligated in Previous Yrs	Fed Funds Obligated in FY 2016	Fed Funds Available for Future Years			
C047042-00			Ward Dr. (Ward Ct - Lancaster) Urban Standards		Preliminary Engineering	STP-U	\$ 150,000	\$ 139,542	\$ -	\$ -	\$ 139,542	\$ 22,052	\$ 161,594
C047040-00			Category: Roadway		Right of Way	STP-U	\$ 400,000	\$ 232,238	\$ -	\$ -	\$ 232,238	\$ 26,581	\$ 258,819
C047061-00				Yes	Utility Relocate	M23E STP-U	\$ 269,190	\$ -	\$ 316,580	\$ -	\$ 316,580	\$ 35,977	\$ 352,557
C047053-00	14333	Marion County			Construction	STP-U	\$ 1,130,810	\$ 976,661	\$ -	\$ -	\$ 1,130,810	\$ 129,426	\$ 1,260,236
C047053-00			Description: Add bike lanes, curbs, sidewalks. Add signal at Ward @ Fisher. Add right-turn lane at Lancaster.		Construction Engineering		\$ 154,149	\$ -	\$ -	\$ -			
C047053-00					Construction	STP L240	\$ 314,055	\$ 314,055	\$ -	\$ -	\$ 314,055	\$ 35,945	\$ 350,000
Comment and Correction: The Utility Relocate phase was deobligated due to lack of activity. The funds were reinstated after the end of the fiscal year.													
						Project Total	\$ 2,264,055	\$ 1,816,645	\$ 316,580	\$ -	\$ 2,133,225	\$ 249,981	\$ 2,383,206
S001367-00			FFO-I-5 @ Kuebler Intchg-SB Ramp Improvements	No	Preliminary Engineering	M240	\$ 179,460	\$ 179,460	\$ -	\$ -	\$ 179,460	\$ 1,125,351	\$ 1,304,811
			Category: Roadway		Right of Way	L02E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,851,687	\$ 2,851,687
					Utility Relocate	BA40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,841	\$ 4,841
	16858	ODOT			Other	BA40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000
S001427-00			Description: Upgrade existing interchange by adding a west-bound to southbound loop ramp with resultant modifications to the existing south-bound off-ramp and eastbound to southbound slip ramp.		Construction	L02E IM	\$ 3,625,000	\$ 3,625,000	\$ 6,819,433	\$ -	\$ 6,819,433	\$ 4,382,969	\$ 11,202,402
S001427-00				Construction	MOE1 Nat. Highway	\$ 586,547	\$ 642,270	\$ -	\$ -	\$ 642,270	\$ 49,483	\$ 691,753	
Funds were added to phases and adjusted between phases after obligation. The JTA funds were converted to federal funds.													
						Project Total	\$ 6,655,062	\$ 6,263,375	\$ 6,819,433	\$ -	\$ 7,641,163	\$ 8,914,331	\$ 16,555,494
C047081	17312	Marion County/Salem	Traffic Signal Interconnects (Marion County)	Yes	Preliminary Engineering	M230 STP-U	\$ 84,865	\$ -	\$ 84,865	\$ -	\$ 84,865	\$ 105,135	\$ 190,000
			Category: ITS		Construction	STP-U	\$ 844,325	\$ -	\$ -	\$ 844,325	\$ 279,675	\$ 1,124,000	
Comment and Correction: Joint project between Marion County and Salem. Local match funds were split accordingly.													
						Project Total	\$ 929,190	\$ -	\$ 84,865	\$ 844,325	\$ 929,190	\$ 384,810	\$ 1,314,000

Continued next page

Annual Listing of Obligated SKATS Transportation Projects Federal Fiscal Year 2016
Table 2 FHWA Non-Transit Projects (Page 2 of 3)

FHWA Project Number (FMIS)	Project Key #	Responsible Agency	Project Name/Description	Includes Walkways and Bikelanes	Phase (FMIS)	Federal Funding				Total Obl Previous, Current, and Future Years*	Local or State Funds	Total Federal, State, and Local Funds
						Funding Source	Fed Amount Programmed in TIP	Fed Funds Obligated in Previous Yrs	Fed Funds Obligated in FY 2016	Fed Funds Available for Future Years		
3850011-00			Verda Lane @ Chemawa Rd - Roundabout (Keizer)		Preliminary Engineering	M230 STP-U	\$ 343,361	\$ 250,000	\$ 118,557	\$ (25,196)	\$ 368,557	\$ 421,426
3850015-00	17313	Keizer	Category: Roadway	Yes	Right of Way	STP-U	\$ 293,204	\$ 293,349	\$ -	\$ (145)	\$ 293,204	\$ 326,924
3850014					Construction	M230 STP-U	\$ -	\$ -	\$ 1,090,053	\$ 195,082	\$ 1,285,135	\$ 1,432,224
			Description: Replace the existing four-way stop with a modern roundabout.		Construction Engineering	STP-U	\$ 1,285,135	\$ -	\$ -	\$ -	\$ -	\$ -
Funds were added to Preliminary Engineering.												
Project Total												
S001487	18574	ODOT	I-5: Salem Area Bridge End Panel Raising		Preliminary Engineering	L1CE Bridge Program	\$ 415,142	\$ -	\$ 415,142	\$ -	\$ 415,142	\$ 526,882
			Category: Roadway	N/A	Construction	L1CE Bridge Program	\$ 3,397,178	\$ -	\$ -	\$ 3,397,178	\$ 388,822	\$ 3,786,000
			Description: Replace end panels on 4 bridges on I-5.									
Project Total												
C047082			Hayesville Dr: Happy - Fuhrer, Sidewalks and Bike Lanes		Preliminary Engineering	M301 TAP	\$ 364,308	\$ -	\$ 109,713	\$ 254,595	\$ 364,308	\$ 406,000
			Category: Bike/Ped		Right of Way	STP-Flexible	\$ 97,806	\$ -	\$ -	\$ -	\$ -	\$ 109,000
	18750	Marion County		Yes	Construction	STP-U	\$ 300,000	\$ -	\$ -	\$ -	\$ 150,739	\$ 450,739
					Construction	STP-Flexible	\$ 1,523,491	\$ -	\$ -	\$ -	\$ -	\$ 1,697,861
			Description: Add sidewalks, curbs and bikelanes.		Construction Engineering	STP-Flexible	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Total												
							\$ 2,285,605	\$ -	\$ 109,713	\$ 254,595	\$ 364,308	\$ 2,663,600

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Annual Listing of Obligated SKATS Transportation Projects Federal Fiscal Year 2016 Table 2 FHWA Non-Transit Projects (Page 3 of 3)

FHWA Project Number (FMIS)	Project Key #	Responsible Agency	Project Name/Description	Includes Walkways and Bikelanes	Phase (FMIS)	Federal Funding				Total Obl Previous, Current, and Future Years*	Local or State Funds	Total Federal, State, and Local Funds
						Funding Source	Fed Amount Programmed in TIP	Fed Funds Obligated in Previous Yrs	Fed Funds Obligated in FY 2016	Fed Funds Available for Future Years		
S030024			45th Ave: Ward Dr-Silverton Rd. Bicycle and Pedestrian Improvements		Preliminary Engineering	M230 STP-U	\$ 68,000	\$ -	\$ 68,000	\$ -	\$ 68,000	\$ 216,000
			Category: Bike/Ped		Preliminary Engineering	TAP-U	\$ 67,540	\$ -	\$ -	\$ 67,540	\$ 7,730	\$ 75,270
					Right of Way	STP-U	\$ 51,000	\$ -	\$ -	\$ 51,000	\$ 6,000	\$ 57,000
	19237	Marion County		Yes	Right of Way	TAP-U	\$ 138,200	\$ -	\$ -	\$ 138,200	\$ 15,818	\$ 154,018
					Construction	TAP-U	\$ 674,923	\$ -	\$ -	\$ 674,923	\$ 77,248	\$ 752,171
					Construction	STP-U	\$ 1,760,833	\$ -	\$ -	\$ 1,760,833	\$ 251,249	\$ 2,012,082
			Description: Add sidewalks, curbs, bikelanes, and turn lanes.		Construction Engineering	STP-U	\$ -	\$ -	\$ -	\$ -		
Project Total							\$ 2,760,496	\$ -	\$ 68,000	\$ 2,692,496	\$ 506,045	\$ 3,266,541
S030022-00			OR22: Willamette River EB (Center St) Bridge Deck Overlay		Preliminary Engineering	Z001 NHP	\$ 314,055	\$ 343,890	\$ -	\$ -	\$ 39,360	\$ 383,250
S030024	19443	ODOT	Category: Bridge	N/A	Construction	Z001 NHP	\$ 3,544,335	\$ -	\$ 1,594,770	\$ 1,949,565	\$ 405,665	\$ 3,950,000
			Description: Place membrane, address the joints and overlay the deck of the Center Street Bridge									
Project Total							\$ 3,858,390		\$ 1,594,770	\$ 1,949,565	\$ 445,025	\$ 4,333,250
			Lancaster Dr/Macleay Rd Traffic Signal Upgrade		Preliminary Engineering	M230 STP-U	\$ 55,135	\$ -	\$ 55,135	\$ -	\$ 101,865	\$ 157,000
			Category: Signal		Right of Way	STP-U	\$ 44,865	\$ -	\$ -	\$ 44,865	\$ 5,135	\$ 50,000
	19740	Salem		Yes	Construction	STP-U	\$ 488,000	\$ -	\$ -	\$ 488,000	\$ 55,854	\$ 543,854
			Description: Upgrade existing span wire traffic signal, increase radius on NE corner to accommodate bike lane, upgrade all curb ramps to comply with ADA.		Construction Engineering	STP-U	\$ -	\$ -	\$ -	\$ -		
* Comment and correction:												
Project Total							\$ 588,000	\$ -	\$ 55,135	\$ 532,865	\$ 162,854	\$ 750,854
TOTAL FEDERAL FUNDS IN FHWA PROJECTS OBLIGATED IN FY 2016												
* Total Obligation may not equal Total Programmed due to rounding and other reasons listed in comments for each project.												

Annual Listing of Obligated SKATS Transportation Projects Federal Fiscal Year 2016

Table 3 Adjustments and Corrections to Previous Years Federal Obligations

FHWA Project Number (FMIS)	Project Key #	Responsible Agency	Project Name/Description	Includes Walkways and Bikelanes	Phase (FMIS)	Funding Source	Fed Funds Obligated in FY 2016	Local or State Funds	Total Adjusted Federal, State and Local Funds
3850013	14316	Keizer	Chemawa Rd (River Rd. to Keizer Rapids Park) Bike Lanes and Sidewalks	Yes	Right of Way	L23E STP-U	\$ (21,880)	\$ (211,681)	\$ (233,561)
Project Total							\$ (21,880)	\$ (211,681)	\$ (233,561)
6490100	16230	Transit	Mid-Valley TDM/ Rideshare #14 and #15	N/A	Other	M230 STP-U	\$ (28,245)	\$ -	\$ (28,245)
6490100	16231				Other	M240 STP-Flex	\$ (42,080)	\$ (4,806)	\$ (46,886)
Project Total							\$ (28,245)	\$ (4,806)	\$ (75,131)
6490076	16585	Salem	Bike/Ped Path: Union St. Rr to Glen Creek Rd	Yes	Right of Way	M230 STP-U	\$ (56,812)	\$ 7,525	\$ (49,287)
6490076					Right of Way	M230 STP-U	\$ 56,812	\$ (114,794)	\$ (57,982)
Project Total							\$ -	\$ (107,269)	\$ (107,269)
C047074	17316	Marion County	Cordon Rd Left Turn Pockets (Carolina & Indiana)	Yes	Preliminary Engineering	L23E STP-U	\$ (4,216)	\$ (483)	\$ (4,699)
C047072					Right of Way	L23E STP-U	\$ (3,563)	\$ 573	\$ (2,990)
C047075					Construction	M230 STP-U	\$ (63,547)	\$ 63,547	\$ (0)
Project Total							\$ (71,327)	\$ 63,637	\$ (7,690)
6490087	18067	Transit	SAMTD Rideshare - Workplace Outreach 2012	N/A	Other	L23E STP-U	\$ (9,199)	\$ (11,705)	\$ (20,904)
Project Total							\$ (9,199)	\$ -	\$ (9,199)
6490104	18208	Salem	High Street: Mill Creek Bridge #470208	Yes	Right of Way	M09V0 Emerg Relief	\$ 8,973	\$ -	\$ 8,973
6490094-00					Construction	M09V0 Emerg Relief	\$ 69,908	\$ 8,001	\$ 77,909
Project Total							\$ 78,881	\$ 8,001	\$ 86,882
6490089	18212	Salem	Summer Street: Mill Creek Bridge #470208	Yes	Preliminary Engineering	M09V0 Emerg Relief	\$ (2,305)	\$ 7,205	\$ 4,900
Project Total							\$ (2,305)	\$ 7,205	\$ 4,900
TOTAL ADJUSTMENTS AND CORRECTIONS FROM PREVIOUS YEARS OBLIGATIONS							\$ (54,074)	\$ (341,067)	

Annual Listing of Obligated SKATS Transportation Projects Federal Fiscal Year 2016
Table 4 Transit Projects

FTA Project Number	Project Key #	Responsible Agency	Project Name/Description	Federal Funding						Total Obligated Federal, State and Local Funds
				Funding Source	Fed Amount Programmed *	Fed Funds Obligated in Previous Yrs	Fed Funds Obligated in FY 2016	Fed Funds Available for Future Years	Local Funds	
OR-2016-009-00	19215	SK Transit	Transit Urban (5307) Formula Program 2015 SKT	Transit 5307	\$ 4,160,000	\$ -	\$ 2,994,129	\$ -	\$ 217,464	\$ 3,211,593
OR-2016-009-00	19216	SK Transit	Transit Urban (5307) Formula-Operating 2015 SKT	Transit 5307	\$ 2,330,000	\$ -	\$ 1,952,265	\$ -	\$ 1,952,265	\$ 3,904,530
OR-2016-009-00	19247	SK Transit	Transit Urban (5307) Formula Program 2016 SKT	Transit 5307	\$ 4,160,000	\$ -	\$ 2,583,453	\$ -	\$ 645,863	\$ 3,229,316
OR-2016-009-00	19248	SK Transit	Transit Urban (5307) Formula-Operating 2016 SKT	Transit 5307	\$ 2,330,000	\$ -	\$ 1,738,000	\$ -	\$ 1,738,000	\$ 3,476,000
OR-95-X067-00	19595	SK Transit	South Salem Transit Center	M230 STP-U	\$ 350,000	\$ -	\$ 350,000	\$ -	\$ 40,059	\$ 390,059
Funding amounts programmed are the estimated amounts that SAMTD will receive for each program, not necessarily the amount that will be received.										
FTA Projects Total							\$ 9,617,847		\$ 4,593,651	\$ 14,211,498
FHWA Projects Total							\$ -			
TOTAL FEDERAL FUNDS IN TRANSIT PROJECTS OBLIGATED IN 2016							\$ 9,617,847			



Cherriots Buses at the Downtown
Transit Mall

Completed Projects

The following roadway construction projects--that used MPO or ODOT federal funds, or regionally significant locally funded projects in the TIP, and are within the Salem-Keizer urbanized area,--were completed in FY 2016:

Brown Road: Arizona Avenue-San Francisco Drive (Salem) - KN 18123

A joint Marion County and city of Salem project added sidewalks and bike lanes on Brown Road NE from Arizona Avenue to Carolina Avenue (Marion County), and from Carolina Avenue to San Francisco Drive (City of Salem). The project included drainage and a partial asphalt overlay at a total cost of \$2.4 million.

(Note: Funds are programmed in FY 2018 to add sidewalks and bike lanes from San Francisco Drive to Sunnyview Road, which will complete the corridor.)



Before—Deep ditches and no sidewalks or bike lanes make it difficult to walk or bike.



After—New sidewalks, bike lanes and drainage provide a safer environment

Verda Lane @ Chemawa Road Roundabout (Keizer) - KN 17313

The region's first roundabout was constructed at the intersection of Verda Lane and Chemawa Road in Keizer, replacing a four-way stop. The roundabout will improve safety and traffic flow at this very busy intersection. The total cost of the project, including design and right-of-way, was \$2.1 million.



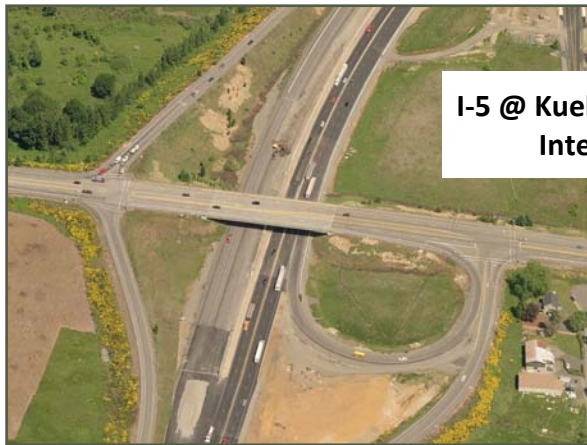
Intersection at the start of construction
(photo by photosbyorion.com)



After—Ribbon Cutting at the newly completed Roundabout (photo by photosbyorion.com)

I-5 @ Kuebler Interchange: Upgrades to Southbound Ramps - KN 16858

Kuebler Boulevard is a major east-west corridor for the city of Salem, and the interchange provides a critical link to Interstate 5. The existing interchange was upgraded by adding a westbound to southbound loop on-ramp with resultant modifications to the existing southbound off-ramp and eastbound to southbound on-ramp. The purpose of the project is to increase both freight and vehicle capacity at the interchange. The \$17 million project was funded primarily with state gas tax funds from HB 2001 (the Jobs and Transportation ACT). Note: A separate project to construct a sound wall will be constructed in 2017/18.



Before—Westbound to southbound traffic must cross traffic, causing delays and potential for crashes.



After— New westbound to southbound loop ramp and modified ramps reduces the number of left turns, improving safety and reducing congestion.

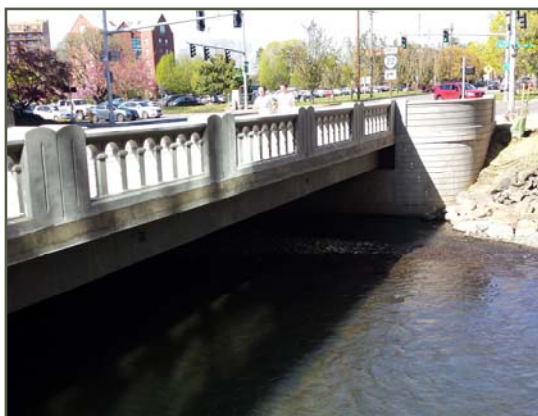
OR 22 Shared Use Path (Rickreall to Doaks Ferry Road) - KN 19473

A portion of the shared path along the north side of OR22W between Doaks Ferry Road and Rickreall Road was resurfaced at a total cost of \$155,000 using state bikeway funds.

Portions of the damaged asphalt have been replaced.



Winter Street Shelton Ditch Bridge Replacement (Salem) - KN 18213



The Winter Street Bridge sustained severe damage during the January 2012 flood and remained closed for six months. Temporary repairs were made to reopen it but with weight restrictions. The old three-span bridge was replaced with a new single-span bridge. The total cost of the project was \$3.6 million using federal Emergency Relief funds.

New Winter Street Bridge



Old Winter Street Bridge

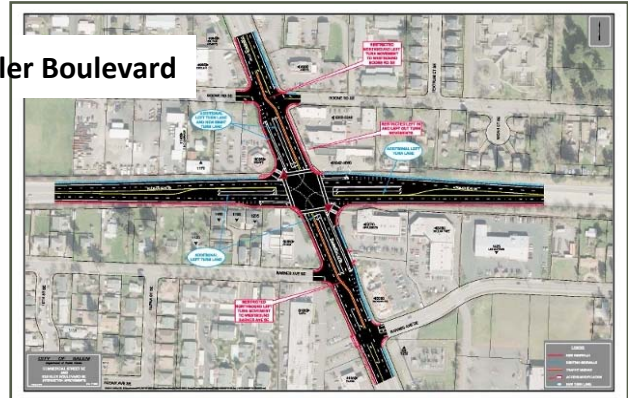
Commercial Street @ Kuebler Boulevard Intersection - KN 17315

The intersection improvements at Commercial Street SE and Kuebler Boulevard SE included widening the intersection in order to reduce congestion at the intersection and improve safety. The street widening project provided two left turn lanes on each approach and a new right turn lane from southbound Commercial Street SE to westbound Kuebler Boulevard SE. Additional improvements included traffic signal modifications, traffic medians, ADA accommodations, and other project modifications. The \$5.5 million project is funded with 2008 Keep Salem Moving! Streets and Bridges Bond Savings and Transportation System Development Charges.



Commercial Street @ Kuebler Boulevard

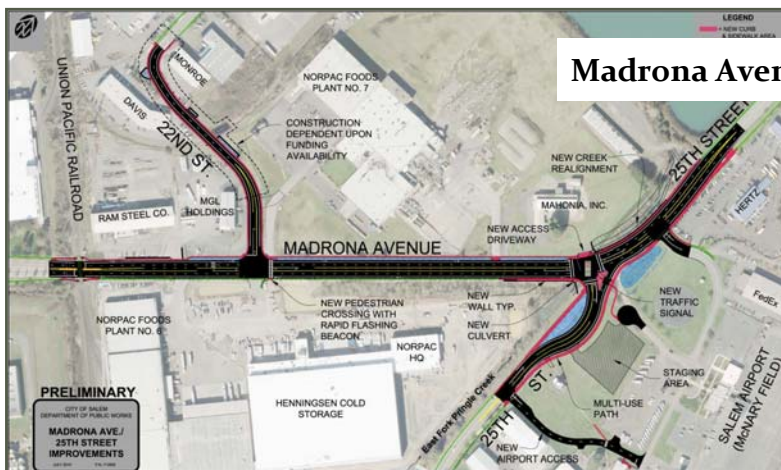
After—Additional turn lanes relieve congestion and improve safety



Layout—Project design

Madrona Avenue & 25th Street Improvements (Salem) - KN 18705

The intersection at Madrona Avenue SE and 25th Street was realigned so the north leg of 25th Street SE connects directly to Madrona Avenue SE to form an arterial route. The south leg of 25th Street SE was realigned to intersect Madrona Avenue SE with a “T” intersection. As part of the work, Madrona Avenue SE was widened to include two through lanes in each direction with a center turn lane, bicycle lanes, curbs, sidewalks, and street lights. Work at the intersection included a new traffic signal. 22nd Street SE was extended southeasterly to Madrona Avenue SE (see drawing), and the existing Pringle Creek box culvert was replaced as part of the project. The \$9 million project was funded with savings from the Streets and Bridges Bond Measure and State of Oregon Immediate Opportunity Grant funds.



Madrona Avenue & 25th Street



After—New Bicycle signal at the realigned intersection

Layout—Project design showing street realignment

Projects Under Construction

The following are roadway construction projects or transit capital projects within the Salem-Keizer urbanized area that use MPO or ODOT federal funds. These projects were under construction (or contract for purchase) in FY 2016 and are anticipated to be completed in 2017:

* **Minto Island Bike/Ped Bridge and Path (Salem) - KN 16197**

The Peter Courtney Minto Island Bicycle and Pedestrian Bridge and connecting trail to Minto Brown Island Park will complete the connection between Riverfront Park and Minto Brown Island Park. The project, totaling \$10 million, completes the last critical link in connecting 1000 acres of parks and more than 20 miles of off-street trails between south Salem, downtown, and West Salem.



Arches being installed on the Peter Courtney Minto Island Bridge—Photo courtesy of Ron Cooper