

Appendix B

FFY12-15 Metropolitan Transportation Improvement Program (MTIP) Projects

Central Lane MPO - FFY12-15 MTIP Project List
Summary of Funding by Jurisdiction, Federal Fiscal Year, and Activity Type

Project Name	Project Description	RTP Project Number	Air Quality Status	Key #	Federal Fiscal Year	Phase	Federal		Federal Req Match		Total Fed+ Req Match	Other		Total All Sources		
							\$	Source	\$	Source		\$	Source			
EUGENE																
Safe Routes to School 4J Program	Continuation and development of the local Safe Routes to School SRTS program. The Eugene SRTS program is a community approach to encouraging and enabling more people to walk and bike to school safely.	TSl Bicycle Policy #1: Bikeway System and Support Facilities	EXEMPT / Other-specific activities that do not lead directly to construction	TBD	2011	OTHER	\$75,000	STP-U	\$8,584	Eugene	\$83,584			\$83,584		
				17362	2012	OTHER	\$75,000	STP-U	\$8,584	Eugene	\$83,584			\$83,584		
						TOTAL FFY12-15			\$75,000			\$8,584		\$83,584		
Amazon & Willamette River Path Connectors (eugene)	Construct shared-use path connections	TSl Bicycle Policy #1: Bikeway System and Support Facilities	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	17453	2012	CONST						\$165,000	Eugene	\$165,000		
				17453	2012	CONST					\$460,000	SO10	\$460,000			
						TOTAL FFY12-15							\$625,000		\$625,000	
Fern Ridge Path:Greenhill Rd to Terry St (Eugene)	Repair of concrete panels on the path that have cracked and settled. Replacement of several bridge approaches that have settled to make smooth transitions. Repair and vandal-proofing the existing lighting system.	TSl Bicycle Policy #4: Implementation of Priority Bikeway Miles	EXEMPT / Air Quality-Bicycle and pedestrian facilities., Safety-Pavement resurfacing and/or rehabilitation.	16636	2012	PRELIM ENG	\$48,000	Other	\$12,000	Eugene	\$60,000			\$60,000		
				16636	2012	CONST	\$145,676	Other	\$36,419	Eugene	\$182,095			\$182,095		
						TOTAL FFY12-15			\$193,676			\$48,419		\$242,095		\$242,095

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Project Name	Project Description	RTP Project Number	Air Quality Status	Key #	Federal Fiscal Year	Phase	Federal		Federal Reg Match		Total Fed+ Req Match	Other		Total All Sources
							\$	Source	\$	Source		\$	Source	
Springfield														
Springfield Regional Transp. Planning	Allows Springfield Public Works and Development Services staff to participate and actively collaborate with federal, state, and metro area agencies and governments to form and implement regional transportation plans.	RTP Goal #1, RTP Goal #2	EXEMPT / Other-Planning and Technical Studies	16646	2010	PLAN	\$40,000	STP-U	\$4,578	Springfield	\$44,578			\$44,578
				17223	2011	PLAN	\$40,000	STP-U	\$4,578	Springfield	\$44,578			\$44,578
				17363	2012	PLAN	\$40,000	STP-U	\$4,578	Springfield	\$44,578			\$44,578
				17364	2013	PLAN	\$40,000	STP-U	\$4,578	Springfield	\$44,578			\$44,578
					TOTAL FFY12-15		\$80,000		\$9,156		\$89,156			\$89,156
Thurston Road Overlay (Springfield)	The City of Springfield has determined that pavement repair and an overlay on Thurston Road is one of its top preservation priorities. The pavement structure on Thurston Road east of 69th Street is nearing failure. If preservation activities are not undertaken within the next two years, Springfield expects significant structural failures will occur resulting in complete reconstruction. Bike components: Yes Pedestrian components: Yes	Finance Policy #2: Operations, Maintenance, and Preservation, TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Pavement resurfacing and/or rehabilitation.	17030	2011	PRELIM ENG						\$35,000	Springfield	\$35,000
				17030	2012	CONST	\$400,000	STP-U	\$118,000	Springfield	\$518,000			\$518,000
					TOTAL FFY12-15		\$400,000		\$118,000		\$518,000	\$0		\$518,000
Franklin Blvd: I-5 bridge to McVay Springfield	Planning for project described below: Construct modern urban standards improvements on the old Hwy 99 alignment in Glenwood called Franklin Boulevard between downtown Springfield, the University of Oregon and downtown Eugene. The existing Franklin corridor a.k.a. OR 126B, McKenzie Highway, lacks facilities for bicycles and pedestrians, and is the only segment of Lane Transit District's popular bus rapid transit EmX service, the "Green Line", that operates in mixed traffic with temporary curb side stations. The Project is a hybrid multi-way boulevard/arterial roadway with both roundabout and signalized intersections. The Project provides much needed facilities for bicycles and pedestrians and improves EmX bus rapid transit through the corridor to dedicated guideway service with median stations.	RTP Goal #1	EXEMPT / Other-Planning and Technical Studies	17217	2011	PLAN	\$400,000	STP-U	\$45,782	Springfield	\$445,782			\$445,782
				17217	2011	PLAN					\$354,218	Springfield	\$354,218	
				17217	2013	PLAN	\$400,000	STP-U	\$45,782	Springfield	\$445,782			\$445,782
					TOTAL FFY12-15		\$400,000		\$45,782		\$445,782			\$445,782
'A' Street Preservation and Pedestrian Enhancement	Pavement repair and overlay repairing curb and gutter to restore drainage replacing substandard handicap curb ramps to current standards and adding pedestrian-scale lighting on "A" Street between 5th Street and Mill Street and on Mill Street between Main Street and "B" Street in downtown Springfield. Bike components: Yes Pedestrian components: Yes	Finance Policy #2: Operations, Maintenance, and Preservation	EXEMPT / Air Quality-Bicycle and pedestrian facilities., Safety-Pavement resurfacing and/or rehabilitation.	17365	2012	CONST	\$506,975	STP-U	\$58,026	Springfield	\$565,000			\$565,000
				17365	2012	PRELIM	\$85,244	STP-U	\$9,757	Springfield	\$95,000			\$95,000
				17365	2012	CONST	\$157,028	STP-U	\$17,973	Springfield	\$175,000			\$175,000
					TOTAL FFY12-15		\$749,246		\$85,755		\$835,000			\$835,000

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							\$	Source	\$	Source		
Coburg												
Coburg Regional Transp. Planning	Allows Coburg staff to participate and actively collaborate with federal, state, and metro area agencies and governments to form and implement regional transportation plans.	RTP Goal #1,RTP Goal #2	Outside AQMA	16648	2010	PLAN	\$15,000	STP-U	\$1,717	Coburg	\$16,717	\$16,717
				17218	2011	PLAN	\$15,000	STP-U	\$1,717	Coburg	\$16,717	\$16,717
				17371	2012	PLAN	\$15,000	STP-U	\$1,717	Coburg	\$16,717	\$16,717
				17370	2013	PLAN	\$15,000	STP-U	\$1,717	Coburg	\$16,717	\$16,717
				TOTAL FFY12-15					\$30,000		\$3,434	
Coburg Loop Path	The Coburg Loop Path, Segments 1 and 2 is a 10 foot wide, concrete, shared use path. The southern terminus is the westside of the Pearl Street/Coburg Industrial Way intersection and the north terminus connects to Sarah Lane; a total distance of 2,177 feet of path or .9 acre of ROW. The proposed project will result in significant pedestrian and bicycle system improvements that will include construction of shared-use path segments, connection to bicycle boulevards, and safety improvements at a key intersection. Completion of these key elements will form the core of the broader planned system and will accommodate a variety of users including walkers, runners, bicyclists, tourists, school groups, and commuters. The proposal includes riparian enhancement of 1,250 lineal feet of the Muddy Creek Irrigation Channel adjacent to the Coburg Industrial Way path (Segment 1), tree planting along the Sarah Lane Connector (Segment 2), and interpretive signage describing the history of Coburg.	TSI Bicycle Policy #1: Bikeway System and Support Facilities	Outside AQMA	16839	2013	CONST	\$400,000	STP-U	\$66,000	Coburg	\$466,000	\$466,000
				TOTAL FFY12-15					\$400,000		\$66,000	

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Project Name	Project Description	RTP Project Number	Air Quality Status	Key #	Federal Fiscal Year	Phase	Federal		Federal Req Match		Total Fed+ Req Match	Total All Sources
							\$	Source	\$	Source		
Lane County												
Lane Co. Regional Transportation Planning	Planning and project development activities by Lane County staff associated with development and implementation of regional transportation plans. This involves extensive collaboration with federal, state and metro area agencies and governments	RTP Goal #1,RTP Goal #2	EXEMPT / Other-Planning and Technical Studies	16647	2010	PLAN	\$25,000	STP-U	\$2,861	LaneCo.	\$27,861	\$27,861
				17220	2011	PLAN	\$25,000	STP-U	\$2,861	LaneCo.	\$27,861	\$27,861
				17368	2012	PLAN	\$25,000	STP-U	\$2,861	LaneCo.	\$27,861	\$27,861
				17369	2013	PLAN	\$25,000	STP-U	\$2,861	LaneCo.	\$27,861	\$27,861
				TOTAL FFY12-15					\$50,000		\$5,722	
Lane County Traffic Signal Upgrades	Upgrades to various traffic signals throughout the MPO area Preservation and modernization of traffic signal equipment on nine signals and 52 specialty sign replacements at 15 intersections. Signal replacements and upgrades include controllers, video processors, a signal pole and mast arm, pedestrian heads, signal heads, back plates, cabling and software upgrades. Opticom equipment will be added at 4 signals.	Finance Policy #1: Adequate Funding	EXEMPT / Safety-Traffic control devices and operating assistance other than signalization projects.	17031	2011	PRELIM ENG	\$8,973	STP-U	\$1,027	LaneCo.	\$10,000	\$10,000
				17031	2012	CONST	\$187,187	STP-U	\$21,424	LaneCo.	\$208,611	\$208,611
				TOTAL FFY12-15					\$187,187		\$21,424	
30th Avenue: Spring Blvd - McVay Highway (Lane Co)	Overlay 2 miles of roadway. An annual pavement inspection identified signs of pavement distress and the overlay is a preventative measure to ensure that the roadway does not need to be replaced. Bike Component: no Pedestrian Component: no	Finance Policy #2: Operations, Maintenance, and Preservation	EXEMPT / Safety-Pavement resurfacing and/or rehabilitation.	17366	2012	PRELIM ENG	\$104,344	STP-U	\$11,942	LaneCo.	\$116,286	\$116,286
				17366	2013	CONST	\$705,280	STP-U	\$80,720	LaneCo.	\$786,000	\$786,000
				TOTAL FFY12-15					\$809,624		\$92,662	
HYACINTH STREET: IRVINGTON ROAD - CALLA STREET (EU)	Lane County to install a sidewalk on the west side of Hyacinth Street. Bike lane striping to follow in a separate project. Bike Component : yes Ped Component : yes	TSI Pedestrian Policy #3: Sidewalks	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	17367	2012	PRELIM ENG	\$78,065	STP-U	\$8,935	LaneCo.	\$87,000	\$87,000
				17367	2012	R/W	\$35,892	STP-U	\$4,108	LaneCo.	\$40,000	\$40,000
				17367	2013	CONST	\$446,115	STP-U	\$51,059	LaneCo.	\$497,174	\$497,174
				TOTAL FFY12-15					\$560,072		\$64,102	

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							\$	Source	\$	Source		\$	Source	
ODOT														
OR69: Delta HWY Oxing Br #09358	Deck overlay and repair on Bridge #09358.	TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Guardrails, median barriers, crash cushions., Safety-Pavement resurfacing and/or rehabilitation.	16034	2011	PRELIM ENG	\$323,925	HPB	\$37,075	ODOT	\$361,000			\$361,000
				16034	2012	R/W	\$5,384	HPB	\$616	ODOT	\$6,000			\$6,000
				16034	2013	CONST	\$1,491,312	L1C0	\$170,688	ODOT	\$1,662,000			\$1,662,000
				TOTAL FFY12-15			\$1,496,696		\$171,304		\$1,668,000			\$1,668,000
I-5 @ Coburg Interchange	Improve Pearl Street and N Coburg Industrial Way to urban road standards to accommodate truck traffic and improve roadway safety and operations on the west side of I-5 as part of an ODOT-implemented project.	1003.TSI Roadway Policy #1: Mobility and Safety for all Modes	Outside AQMA	14649	2006	PRELIM ENG	\$2,691,900	H660	\$308,100	ODOT	\$3,000,000			\$3,000,000
				14649	2010	R/W	\$901,806	L050	\$103,216	ODOT	\$1,005,022			\$1,005,022
				14649	2010	R/W	\$2,956,584	LY10	\$338,394	ODOT	\$3,294,978			\$3,294,978
				14649	2012	CONST	\$5,084,192	LY10	\$581,909	ODOT	\$5,666,101			\$5,666,101
				14649	2012	UTIL	\$58,325	LY10	\$6,675	ODOT	\$65,000			\$65,000
				TOTAL FFY12-15			\$5,142,517		\$588,584		\$5,731,101			\$5,731,101
Probe Data for Traveler Information Eugene	Collect real time data from private sector vehicle probes	TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Other-Planning and Technical Studies	16336	2012	OTHER					\$615,000	S010	\$615,000	
TOTAL FFY12-15											\$615,000		\$615,000	
FFO - I-5@Beltline Interchange, Unit3	Realignment of the I-5 southbound exit ramps to Beltline, widening of the Beltline bridge over I-5, and relocation of a southbound I-5 entrance ramp.	606	Regionally Significant - Analysis year 2020	16860	2010	PRELIM ENG					\$9,000,000	B4A0	\$9,000,000	
				16860	2011	R/W					\$350,000	B4A0	\$350,000	
				16860	2012	CONST					\$60,650,000	B4A0	\$60,650,000	
				TOTAL FFY12-15								\$60,650,000		\$60,650,000
OR569@Delta Highway ITS Improvements	Identify and install Intelligent Transportation systems in corridor. This project includes a study of ramp metering along Beltline Hwy.	RTP Goal #1,RTP Goal #2	EXEMPT / Safety-Traffic control devices and operating assistance other than signalization projects.	16859	2010	PRELIM ENG					\$500,000	B4A0	\$500,000	
				16859	2012	CONST					\$1,500,000	B4A0	\$1,500,000	
				TOTAL FFY12-15							\$1,500,000		\$1,500,000	
South Bank Path Extension: Spfld Viaduct Spfld	Construct approximately 1100' of bike/ped path "viaduct" to connect the South Bank Path west of I-5 to the Glenwood Riverfront Path east of I-5 beneath the Willamette River Bridge this project will use beams removed from the temporary Willamette River Bridge. Construction carried out in conjunction with ODOT Key 14259	851	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	16760	2011	PRELIM ENG	\$60,000	STP-U	\$25,000	Springfield	\$85,000			\$85,000
				16760	2012	CONST	\$200,000	STP-U	\$55,000	Springfield	\$255,000			\$255,000
				TOTAL FFY12-15			\$200,000		\$55,000		\$255,000			\$255,000
I-5@Beltline Interchange Unit4Eugene/Springfield	Construction of an eastbound Beltline auxiliary lane from Coburg Road to the I-5 exit ramp, and a sound wall along eastbound Beltline.	606	Regionally Significant - Analysis year 2020	16861	2011	PRELIM ENG					\$5,000,000	B4A0	\$5,000,000	
				16861	2013	R/W	\$1,000,000	Other			\$1,000,000			\$1,000,000
				16861	2013	R/W					\$5,000,000	B4A0	\$5,000,000	
				16861	2013	UTIL					\$2,000,000	ODOT	\$2,000,000	
				TOTAL FFY12-15			\$1,000,000				\$1,000,000	\$7,000,000		\$8,000,000
OR69: River Rd - Coburg Rd Development	Development work to prepare for future modernization.	555	EXEMPT / Other-Planning and Technical Studies	16223	2013	PRELIM ENG					\$2,500,000	ODOT	\$2,500,000	
TOTAL FFY12-15											\$2,500,000		\$2,500,000	

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							\$	Source	\$	Source		\$	Source	
ODOT														
OR225: mcvey hwy @ 30th ave eugene	Rebuild signal	257	EXEMPT / Other-Intersection signalization projects at individual intersections.	16107	2010	PRELIM	\$302,390	STP	\$34,610	ODOT	\$337,000			\$337,000
				16107	2011	R/W	\$323,028	STP	\$36,972	ODOT	\$360,000			\$360,000
				16107	2012	CONST	\$705,278	STP	\$80,722	ODOT	\$786,000			\$786,000
					TOTAL FFY12-15		\$705,278		\$80,722		\$786,000			\$786,000
OR126: Beltline HWY @ Greenhill Rd Eugene	Rebuild signal located at the intersection of Highway 126 and Greenhill Road.	TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Other-Intersection signalization projects at individual intersections.	16106	2011	PRELIM	\$367,893	STP	\$42,107	ODOT	\$410,000			\$410,000
				16106	2012	R/W	\$243,168	L240	\$27,832	ODOT	\$271,000			\$271,000
				16106	2012	UTIL	\$20,638	L240	\$2,368	ODOT	\$23,006			\$23,006
				16106	2013	CONST	\$634,391	L240	\$72,609	ODOT	\$707,000			\$707,000
					TOTAL FFY12-15		\$898,197		\$102,809		\$1,001,006			\$1,001,006
I-5 Cable Median Barrier (Lane County)	Install cable median barrier.	TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Guardrails, median barriers, crash cushions.	16123	2010	PRELIM	\$80,231	LS30	\$6,769	ODOT	\$87,000			\$87,000
				16123	2012	CONST	\$861,113	LS30	\$72,647	ODOT	\$933,760			\$933,760
				16123	2012	CONST	\$2,879,000	Other			\$2,879,000			\$2,879,000
					TOTAL FFY12-15		\$3,740,113		\$72,647		\$3,812,760			\$3,812,760
OR 126B (MAIN ST) PED IMPROV (SPRNGFLD) PHASE 1	Construct mid-block crossing with pedestrian activated beacons at various locations along OR 126, including the following intersections (listed in order of priority): 41st, 43rd, 57th, 38th, 40th, Chapman, 48th Streets	RTP Goal #2, TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Traffic control devices and operating assistance other than signalization projects.	17744	2011	PRELIM						\$150,000	S080	\$150,000
				17744	2011	UTIL						\$5,000	S080	\$5,000
				17744	2012	CONST						\$200,000	S080	\$200,000
					TOTAL FFY12-15								\$200,000	
OR 126B (MAIN ST) PED IMPROV (SPRNGFLD) PHASE 2	CONSTRUCT MID-BLOCK CROSSING WITH PED ACTIVATED BEACONS AT VARIOUS LOCATIONS	RTP Goal #2, TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Traffic control devices and operating assistance other than signalization projects.	TBD	2012	CONST						\$590,000	S080	\$590,000
				TBD	2012	PRELIM						\$30,000	S080	\$30,000
				TBD	2012	R/W						\$20,000	S080	\$20,000
				TBD	2012	UTIL						\$5,000	S080	\$5,000
	TOTAL FFY12-15								\$645,000		\$645,000			
OR 126: I-5 XING-OR126B (Springfield) Development	Preliminary engineering work for future pavement preservation	Finance Policy #2: Operations, Maintenance, and Preservation	EXEMPT / Safety-Pavement resurfacing and/or rehabilitation.	17817	2013	PRELIM	\$200,000	STP						\$200,000
					TOTAL FFY12-15		\$200,000							\$200,000
OR126: Mohawk Blvd XIING-OR126 Bus Cable Barrier	Install cable median barrier.	TSI Roadway Policy #1: Mobility and Safety for all Modes	EXEMPT / Safety-Guardrails, median barriers, crash cushions.	17815	2012	PRELIM	\$55,332	HSIP	\$4,668	ODOT				\$60,000
					TOTAL FFY12-15		\$55,332		\$4,668					\$60,000

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							\$	Source	\$	Source		
LCOG												
Central Lane MPO UPWP Funding	Fund MPO Work Program Activities	RTP Goal #1,RTP Goal #2	EXEMPT / Other-Planning and Technical Studies	16644	2010	PLAN	\$450,000	STP-U	\$51,505	LCOG	\$501,505	\$501,505
				17222	2011	PLAN	\$450,000	STP-U	\$51,505	LCOG	\$501,505	\$501,505
				17355	2012	PLAN	\$450,000	STP-U	\$51,505	LCOG	\$501,505	\$501,505
				17356	2013	PLAN	\$450,000	STP-U	\$51,505	LCOG	\$501,505	\$501,505
				TOTAL FFY12-15					\$900,000		\$103,010	
Regional Transportation Options Plan (RTOP)	Planning work for the development of a Regional Transportation Options Plan. The RTOP will help identify and assess appropriate transportation strategies to reduce reliance on single occupancy vehicle travel.	RTP Goal #1,TDM Policy #1: TDM Program Development,TDM Policy #3: Congestion Management	EXEMPT / Other-Planning and Technical Studies	17540	2011	PLAN	\$74,000	STP-U	\$8,470	LCOG	\$82,470	\$82,470
				17540	2012	PLAN	\$74,000	STP-U	\$8,470	LCOG	\$82,470	\$82,470
				TOTAL FFY12-15					\$74,000		\$8,470	

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							\$	Source	\$	Source		
Willamalane												
MF Willamette Lp Path:Dorris Rnch-Clwtr pk,Unit2A	Construct a multi-use loop path along the north bank of Middle Fork Willamette River Dorris Ranch and Clearwater park. This is Unit 2A of a planned project for a loop path along Middle Fork Willamette River and Springfield Mill race, with a bridge across the river to Mt Pisgah County Park. Bike components: yes Ped components: yes	21	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	17892	2012	CONST	\$1,600,000	STP-	\$658,924	STP-Enhanc	\$2,258,924	\$2,258,924
				17892	2012	CONST	\$320,000	STP-U	\$36,625	Willamalane	\$356,625	\$356,625
				17892	2012	CONST	\$81,162	Other	\$9,289	Willamalane	\$90,451	\$90,451
				17892	2011	PRELIM	\$53,838	Other	\$6,162	Willamalane	\$60,000	\$60,000
				TOTAL FFY12-15							\$2,001,162	

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							\$	Source	\$	Source		
LTD												
Preventative Maintenance LTD	Preventative Maintenance	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Operating assistance to transit agencies.	17331	2011	OTHER	\$1,700,000	FTA-5307	\$425,000	LTD	\$2,125,000	\$2,125,000
				16298	2011	OTHER	\$2,700,000	FTA-5307	\$675,000	LTD	\$3,375,000	\$3,375,000
				17332	2012	OTHER	\$1,700,000	FTA-5307	\$425,000	LTD	\$2,125,000	\$2,125,000
				17333	2013	OTHER	\$1,700,000	FTA-5307	\$425,000	LTD	\$2,125,000	\$2,125,000
				TBD	2014	OTHER	\$4,300,000	FTA-5307	\$1,075,000	LTD	\$5,375,000	\$5,375,000
				TBD	2015	OTHER	\$4,200,000	FTA-5307	\$1,050,000	LTD	\$5,250,000	\$5,250,000
				TOTAL FFY12-15						\$11,900,000		\$2,975,000
LTD Vehicles	Purchase of buses and other vehicles. May include debt issuance costs and interest payments.	1110,TSI Transit Policy #2: Bus Rapid Transit	EXEMPT / Mass Transit-Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet.	17334	2011	OTHER	\$742,560	FTA-5307	\$8,185,640	LTD	\$8,928,200	\$8,928,200
				17335	2012	OTHER	\$1,782,560	FTA-5307	\$11,755,640	LTD	\$13,538,200	\$13,538,200
				17336	2013	OTHER	\$1,782,560	FTA-5307	\$445,640	LTD	\$2,228,200	\$2,228,200
				TOTAL FFY12-15					\$3,565,120		\$12,201,280	
Bus Support Equipment and Facilities	This project includes office supplies, computer hardware and software, and other administrative support equipment.	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Purchase of office, shop, and operating equipment for existing facilities.	15557	2010	OTHER	\$2,560,000	FTA-5307	\$640,000	LTD	\$3,200,000	\$3,200,000
				15558	2011	OTHER	\$1,600,800	FTA-5307	\$400,200	LTD	\$2,001,000	\$2,001,000
				17337	2012	OTHER	\$1,840,000	FTA-5307	\$460,000	LTD	\$2,300,000	\$2,300,000
				17338	2013	OTHER	\$1,920,000	FTA-5307	\$480,000	LTD	\$2,400,000	\$2,400,000
				TBD	2014	OTHER	\$3,749,400	FTA-5307	\$937,350	LTD	\$4,686,750	\$4,686,750
				TBD	2015	OTHER	\$1,628,000	FTA-5307	\$407,000	LTD	\$2,035,000	\$2,035,000
				TOTAL FFY12-15						\$9,137,400		\$2,284,350
TDM Program and Projects LTD	The Transportation Demand Management work performed is regional in its scope of services and programs. The strategic plan for the TDM work performed through the point2point Solutions Program at LTD incorporates the TDM strategies in the adopted RTP. A TDM Advisory Committee which is a sub-committee of the Transportation Planning Committee oversees the point2point Solutions Program with committee members representing Lane Transit District, Lane County, LCOG, City of Eugene, City of Springfield, LRAPA, and ODOT.	TDM Policy #1: TDM Program Development	EXEMPT / Other-Planning and Technical Studies	14880	2010	OTHER	\$106,779	STP	\$12,221	LTD	\$119,000	\$119,000
				14881	2011	OTHER	\$106,779	STP	\$12,221	LTD	\$119,000	\$119,000
				16228	2012	OTHER	\$106,779	STP	\$12,221	LTD	\$119,000	\$119,000
				16229	2013	OTHER	\$106,779	STP	\$12,221	LTD	\$119,000	\$119,000
				TOTAL FFY12-15						\$213,558		\$24,442
LTD Regional Transportation Planning	Allows LTD staff to participate and actively collaborate with federal, state, and metro area agencies and governments to form and implement regional transportation plans.	RTP Goal #1,RTP Goal #2	EXEMPT / Other-Planning and Technical Studies	16649	2010	PLAN	\$25,000	STP-U	\$2,861	LTD	\$27,861	\$27,861
				17221	2011	PLAN	\$25,000	STP-U	\$2,861	LTD	\$27,861	\$27,861
				17339	2012	PLAN	\$25,000	STP-U	\$2,861	LTD	\$27,861	\$27,861
				17340	2013	PLAN	\$25,000	STP-U	\$2,861	LTD	\$27,861	\$27,861
				TOTAL FFY12-15						\$50,000		\$5,722
Regional TO/TDM Program - Point2point Solutions	Point2Point Solutions is the region's TDM program responsible for implementing TDM strategies that compliment RTP goals and policies. The Transportation Demand Management work performed is regional in its scope of services and programs. The strategic plan for the TDM work performed through the Point2Point Solutions Program at LTD incorporates the TDM strategies in the adopted RTP. A TDM Advisory Committee which is a sub- committee of the Transportation Planning Committee, oversees the Point2Point Solutions Program with committee members representing Lane Transit District, Lane County, LCOG, City of Eugene, City of Springfield, LRAPA, and ODOT.	TDM Policy #1: TDM Program Development	EXEMPT / Mass Transit-Operating assistance to transit agencies.	16724	2010	OTHER	\$248,000	STP-U	\$28,385	LTD	\$276,385	\$276,385
				16724	2010	PLAN	\$20,000	STP-U	\$2,289	LTD	\$22,289	\$22,289
				16724	2011	OTHER	\$300,000	STP-U	\$34,336	LTD	\$334,336	\$334,336
				16724	2012	OTHER	\$300,000	STP-U	\$34,336	LTD	\$334,336	\$334,336
				16724	2013	OTHER	\$300,000	STP-U	\$34,336	LTD	\$334,336	\$334,336
				TOTAL FFY12-15						\$600,000		\$68,672
Job Access/Reverse Commute JARC	Development and maintenance of job access/ reverse commute projects under 49 USC 5316	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Operating assistance to transit agencies.	15219	2012	OTHER	\$340,642	FTA-5316	\$85,161	LTD	\$425,803	\$425,803
TOTAL FFY12-15							\$348,721		\$348,721		\$697,442	\$697,442
New Freedoms	Provide transportation services and alternatives beyond ADA under 49 USC 5317	Finance Policy #3: Prioritization of State and Federal Revenue ,TSI Roadway Policy #1: Mobility and Safety for all Modes ,TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Operating assistance to transit agencies.	15215	2012	OTHER	\$154,843	FTA-5317	\$38,711	LTD	\$193,554	\$193,554
TOTAL FFY12-15							\$154,843		\$38,711		\$193,554	\$193,554

Central Lane MPO - FFY12-15 MTIP Project List
Summary of Funding by Jurisdiction, Federal Fiscal Year, and Activity Type

Project Name	Project Description	RTP Project Number	Air Quality Status	Key #	Federal Fiscal Year	Phase	Federal		Federal Req Match		Total Fed+ Req Match	Total All Sources	
							\$	Source	\$	Source			
LTD													
Passenger Boarding Improvements	Passenger Boarding Improvements include new shelter placements for new service, shelter replacements for shelters at high vandalism locations, improvements to accommodate ADA, and improvements to other stations and park and rides, including improvements to the station at Lane Community College.	1130	EXEMPT / Mass Transit- Construction of small passenger shelters and information kiosks., Other-Transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities).	15560	2010	OTHER	\$200,640	FTA-5307	\$50,160	LTD	\$250,800	\$250,800	
				15560	2012	OTHER	\$327,360	FTA-5309	\$81,840	LTD	\$409,200	\$409,200	
				15561	2010	OTHER	\$288,000	FTA-5307	\$72,000	LTD	\$360,000	\$360,000	
				15561	2011	OTHER	\$288,000	FTA-5307	\$72,000	LTD	\$360,000	\$360,000	
				17341	2012	OTHER	\$112,000	FTA-5307	\$28,000	LTD	\$140,000	\$140,000	
				17342	2013	OTHER	\$152,000	FTA-5307	\$38,000	LTD	\$190,000	\$190,000	
				TBD	2014	OTHER	\$150,600	FTA-5307	\$37,650	LTD	\$188,250	\$188,250	
				TBD	2015	OTHER	\$112,000	FTA-5307	\$28,000	LTD	\$140,000	\$140,000	
				TOTAL FFY12-15							\$853,960		
Intelligent Transportation Systems	ITS systems that may include traffic control interfaces, fare management, automated traveler information, etc.	1115	EXEMPT / Mass Transit-Purchase of operating equipment for vehicles (e.g., radios, fareboxes, lifts, etc.).	17343	2011	OTHER	\$340,000	FTA-5307	\$85,000	LTD	\$425,000	\$425,000	
				15568	2011	OTHER	\$152,000	FTA-5309	\$38,000	LTD	\$190,000	\$190,000	
				15568	2011	OTHER	\$1,040,000	FTA-5307	\$260,000	LTD	\$1,300,000	\$1,300,000	
				17344	2012	OTHER	\$380,000	FTA-5307	\$95,000	LTD	\$475,000	\$475,000	
				17345	2013	OTHER	\$40,000	FTA-5307	\$10,000	LTD	\$50,000	\$50,000	
				TOTAL FFY12-15						\$420,000		\$105,000	
Radio Improvements	Upgrade radio communication system for fixed route service.	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Purchase of operating equipment for vehicles (e.g., radios, fareboxes, lifts, etc.).	14342	2011	OTHER	\$136,000	FTA-5307	\$34,000	LTD	\$170,000	\$170,000	
				17346	2013	OTHER	\$800,000	FTA-5307	\$200,000	LTD	\$1,000,000	\$1,000,000	
				TOTAL FFY12-15						\$936,000		\$234,000	
LTD Van Pool Contracting	Capital cost of contracting for van pools	TSI Transit Policy #1: Transit Improvements	EXEMPT / Air Quality-Continuation of ride-sharing and van-pooling promotion activities at current levels.	16735	2010	OTHER	\$81,700	FTA-5307	\$20,425	LTD	\$102,125	\$102,125	
				17347	2011	OTHER	\$81,700	FTA-5307	\$20,425	LTD	\$102,125	\$102,125	
				17348	2012	OTHER	\$81,700	FTA-5307	\$20,425	LTD	\$102,125	\$102,125	
				17349	2013	OTHER	\$81,700	FTA-5307	\$20,425	LTD	\$102,125	\$102,125	
				TOTAL FFY12-15						\$326,800		\$81,700	
West Eugene EmX Extension AA & Environ. Analysis	West Eugene EmX Extension environmental analysis; EA/EIS preparation	1115	EXEMPT / Other-Planning and Technical Studies	16779	2010	PLAN	\$475,000	FTA-5339	\$118,750	LTD	\$593,750	\$593,750	
				16779	2012	PLAN	\$2,000,000	FTA-5307	\$500,000	LTD	\$2,500,000	\$2,500,000	
				TOTAL FFY12-15						\$2,475,000		\$618,750	
Regional Safe Routes to School (LTD)	This request is for the necessary funding to expand the current 4J School District based SRTS to a regional program and combine it with School Solutions, managed by Point2point Solutions.	TSI Bicycle Policy #1: Bikeway System and Support Facilities	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	17350	2011	OTHER	\$25,000	STP-U	\$2,861	LTD	\$27,861	\$27,861	
				17351	2012	OTHER	\$75,000	STP-U	\$8,584	LTD	\$83,584	\$83,584	
				TOTAL FFY12-15						\$100,000		\$11,445	
LTD Preventative Maintenance	Fund preventative maintenance to preserve service. STP-U funds were programmed to help reduce the impacts of service cuts caused by recessionary loss of payroll tax revenue. STP-U funding (\$500k/year) allows approximately 10,800 hours of service to be retained annually between FY 2011 and FY 2013.	RTP Goal #1,RTP Goal #2	EXEMPT / Mass Transit-Operating assistance to transit agencies.	17352	2011	OTHER	\$500,000	STP-U	\$60,098	LTD	\$560,098	\$560,098	
				17353	2012	OTHER	\$500,000	STP-U	\$60,098	LTD	\$560,098	\$560,098	
				17354	2013	OTHER	\$500,000	STP-U	\$60,098	LTD	\$560,098	\$560,098	
				TOTAL FFY12-15						\$1,500,000		\$180,294	
Gateway Park & Ride	Preliminary design and acquisitions for construction of a new 75-car park and ride facility.	1105,1115,TSI Transit Policy #4: Park-and-Ride Facilities	Not regionally significant	17373	2012	PRELIM ENG	\$150,000	FTA-5309	\$37,500	LTD	\$187,500	\$187,500	
				17373	2012	R/W	\$1,850,000	FTA-5309	\$370,000	LTD	\$2,220,000	\$2,220,000	
				TOTAL FFY12-15						\$2,000,000		\$407,500	

Central Lane MPO - FFY12-15 MTIP Project List
Summary of Funding by Jurisdiction, Federal Fiscal Year, and Activity Type

Project Name	Project Description	RTP Project Number	Air Quality Status	Key #	Federal Fiscal Year	Phase	Federal		Federal Req Match		Total Fed+ Req Match	Total All Sources
							\$	Source	\$	Source		
LTD												
Regional SmartTrips Program: Gateway Corridor	Implement a Regional SmartTrips Program along the Gateway Corridor. This project uses an individualized marketing program covering a 1/4 mile buffer around the Gateway EmX Corridor. It uses a successful and proven approach to educate and promote LTD's new Gateway EmX service and other alternative transportation options. The key objectives are decreasing driving trips, decreasing carbon emissions from driving trips, increasing walking, bicycling, and transit trips, increasing awareness of multimodal transportation resources and how to use them, and establishing new long-term sustainable travel behaviors.	RTP Goal #1, TDM Policy #1: TDM Program Development	EXEMPT / Other-specific activities that do not lead directly to construction	17737	2012	OTHER	\$90,000	L240	\$24,243	LTD	\$114,243	\$114,243
					TOTAL FFY12-15		\$90,000		\$24,243		\$114,243	\$114,243
LTD Transit Capital-STP XFER (FY 11)	Purchase Services (operations), as well as computer software, preventative maintenance.	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Operating assistance to transit agencies.	17851	2012	OTHER	\$1,160,173	L240	\$132,787	ODOT	\$1,292,960	\$1,292,960
					TOTAL FFY12-15		\$1,160,173		\$132,787		\$1,292,960	\$1,292,960
Regional Bicycle Parking Facilities Inventory	The project will inventory current type, location, and capacity of Metropolitan Planning Organization (MPO) bike parking facilities and identify new locations best suited to increase multimodal connectivity and overall bicycle usage throughout the region. The project also includes a bike survey and bike count pilot project. The results will assist MPO jurisdictions in creating a fully integrated active transportation network with an assessment of what bicycle parking facilities could best meet current and future travel needs to employment, retail, and educational centers. The study's scope will identify optimum sites for greater connectivity of bicycling to employment, commercial destinations, educational centers, and transit. The scope includes Eugene - Springfield LTD EmX Corridors, LTD Stations, the Amtrak Station, new regional public and private developments, educational institutions, and major employment hubs.	TSI Bicycle Policy #1: Bikeway System and Support Facilities	EXEMPT / Air Quality-Bicycle and pedestrian facilities.	16076	2013	OTHER	\$90,000	STP-U	\$10,300	LTD	\$100,300	\$100,300
					TOTAL FFY12-15		\$90,000		\$10,300		\$100,300	\$100,300
LTD - TRANSIT CAPITAL-STP XFER (FY12)	Preventative maintenance and purchase services	TSI Transit Policy #1: Transit Improvements	EXEMPT / Mass Transit-Operating assistance to transit agencies.	17857	2012	OTHER	\$1,149,153	L240	\$131,526	LTD	\$1,280,679	\$1,280,679
				16189	2012	OTHER	\$1,149,153	L240	\$131,526		\$1,280,679	\$1,280,679
					TOTAL FFY12-15		\$2,298,306		\$263,052		\$2,561,358	\$2,561,358
Main St/McVay EmX Alternatives Analysis	Main St/McVay EmX Alternatives Analysis	1115	EXEMPT / Other-Planning and Technical Studies	TBD	2012	PLAN	\$750,000	FTA-5339	\$187,500	LTD	\$937,500	\$937,500
					TOTAL FFY12-15		\$750,000		\$187,500		\$937,500	\$937,500
LTD Bus Replacement	Purchase hybrid electric replacement buses	1110	EXEMPT / Mass Transit-Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet.	TBD	2012	OTHER	\$3,000,000	FTA-5309	\$614,458	LTD	\$3,614,458	\$3,614,458
					TOTAL FFY12-15		\$3,000,000		\$614,458		\$3,614,458	\$3,614,458

Appendix C

2035 RTP Fiscally Constrained Roadway, Transit and Bikeway Projects

**RTP Table 1a-Financially Constrained
Capital Investment Actions: Roadway Projects**

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: New Arterial Link or Interchange						
30th Ave Off Ramp to Gonyea Road	MP 0.5 to MP 1.0	Reconstruct the existing NE clover leaf off ramp to a folded diamond off ramp. This project would eliminate the traffic weaving at the cloverleaf ramps. With improved ramp access, more traffic is likely to use the ramp instead of making left at the congested Eldon Schaffer Dr intersection.	Lane County	\$544,000	0.33	201
Eugene-Springfield Highway (SR-126)	at Main Street	Construct interchange	ODOT	\$50,000,000	0	27
Eugene-Springfield Highway (SR-126)	at 52nd Street	Construct interchange	ODOT	\$40,000,000	0	30
Centennial Boulevard/Industrial Avenue	28th Street to 35th Street	Construct 3-lane urban facility	Springfield	\$4,350,000	0.5	930
Project Category Subtotal				\$94,894,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Added Freeway Lanes or Major Interchange Improvements</i>						
Delta/ Beltline Interchange		Interim/safety improvements; replace/revise existing ramps; widen Delta Highway bridge to 5 lanes	Lane County	\$8,800,000	0.25	638
North Eugene Transportation Improvements	River Road to Coburg Road	Enhance safety and mobility within N. Eugene Area, specifically for Beltline Corridor	ODOT	\$60,000,000	1.76	506
I-5	@ Beltline Highway	Unit 3 and Unit 4. Reconstruct interchange and I-5, upgrade Beltline Road East to 5 lane urban facility.	ODOT	\$110,000,000	0	606
<i>Project Category Subtotal</i>				<i>\$178,800,000</i>		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Arterial Capacity Improvements</i>						
Bob Straub Parkway	57th Street to Jasper Road@ Brand S Rd	Phase 2: Widen to 4-lane plus a median	Lane County, Springfield	\$4,000,000	1.9	66
Eugene-Springfield Highway (SR-126)	@ Mohawk Boulevard Interchange	Add lanes on ramps	ODOT	\$310,000	0.68	821
W. 11th Avenue	Green Hill Road to Terry Street	Upgrade to 5-lane urban facility	ODOT, Eugene	\$20,000,000	1.51	333
Main Street	@ 48th Street	Traffic control improvements	Springfield	\$290,000	0	69
Main Street	@ Mountaingate Drive	Traffic control improvements	Springfield	\$290,000	0	75
42nd Street	@ Marcola Road	Traffic control improvements	Springfield	\$290,000	0	712
Harlow Road	@ Pheasant Boulevard	Traffic control improvements	Springfield	\$290,000	0	744
Gateway Street	@ Harlow Road	Traffic control improvements	Springfield	\$2,910,000	0.5	785
Gateway/ Beltline Intersection Improvements	International Way to Postal Way	Improve intersections and realign Gateway	Springfield	\$30,000,000	0.9	789
Centennial Boulevard	Prescott Lane to Mill Street	Reconstruct section to 4-5 lanes	Springfield	\$1,450,000	0.3	818
Q Street Intersection Improvements	Intersection of Q Street and 5th	Intersection improvements	Springfield	\$1,170,000	0.5	828
Glenwood Blvd	Franklin Blvd to I-5	Upgrade to 3 to 5 lane urban facility	Springfield	\$2,210,000	0.5	836
Centennial Boulevard	@ 28th Street	Traffic control improvements	Springfield	\$290,000	0	924
Centennial Boulevard	@ 21st Street	Traffic control improvements	Springfield	\$290,000	0	927
S 42nd Street at Daisy Street	S. 42nd St/ Daisy Street	Traffic control improvements	Springfield	\$290,000	0	951
42nd Street at Highway 126 Westbound Ramp	42nd st/Hwy 126	Traffic control improvements	Springfield, ODOT	\$500,000	0	799
I-5	@ City of Coburg interchange (Phase 1)	Construct local network urban improvements west side of I-5 only.	ODOT	\$13,000,000	0	1003

Project Category Subtotal

\$77,580,000

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: New Collectors						
W. 13th Avenue (Future Collector E)	Bertelsen Road to Bailey Hill Road	New major collector	Eugene	\$4,172,000	1	318
Roosevelt Extension (Future Collector F)	Royal Avenue to Terry Street	New major collector	Eugene	\$4,520,000	0.7	429
Legacy Extension (Future Collector H)	Avalon Street to Royal Avenue	New major collector	Eugene	\$3,594,000	0.5	435
Future Collector J	Awbrey Lane to Enid Road	New major collector	Eugene	\$3,338,000	0.8	441
Haviture Way/ Heath Dr (Future Collector O)	Barger Drive to Excalibur Lane	New neighborhood collector	Eugene	\$540,000	0.13	447
Colton Way (Future Collector P)	Avalon Street to Roosevelt Ext (Future Collector F)	New neighborhood collector	Eugene	\$5,572,000	1.11	449
Hyacinth Street	Brotherton Avenue to Argon Avenue	New neighborhood collector	Eugene	\$1,391,000	0.08	537
Avengale Dr (Future Collector A)	870 feet east of Walton Lane to County Farm Road @ Wildish Lane	New neighborhood collector	Eugene	\$2,921,000	0.7	651
McKenzie- Gateway Loop collector	MLK Jr. Parkway to Beltline/Baldy View/Deadmond Ferry	Collector loop to serve McKenzie/Gateway area	Private Funding, Springfield	\$6,000,000	0.57	756
79th Street	Thurston Road to Main Street	New 2 to 3-lane collector	Springfield	\$1,450,000	0.37	18
Future Collector C1	Linda Lane - Bob Straub Parkway	New 2 to 3-lane urban collector	Springfield	\$1,960,000	0.5	33
Future Collector C2	Jasper Road - Mountaingate	New 2 to 3-lane urban collector	Springfield	\$5,080,000	1.3	36
Future Collector C3	Bob Straub Parkway - East Natron	New 2 to 3-lane urban collector	Springfield	\$2,740,000	0.7	39
Future Collector C4	East-west in Mid-Natron site	New 2 to 3-lane urban collector	Springfield	\$2,350,000	0.6	42
Future Collector C5	Loop Rd in South Natron Site	New 2 to 3-lane urban collector	Springfield	\$3,910,000	1	45

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Future Collector C6	Mt Vernon Road - Bob Straub Parkway	New 2 to 3-lane urban collector	Springfield	\$3,910,000	1	48
Future Collector C7	North-south in mid-Natron site	New 2 to 3-lane urban collector	Springfield	\$2,190,000	0.56	51
Glacier Drive	48th Street to 55th Street	Develop new, 2-lane urban facility	Springfield	\$2,660,000	0.92	57
Mountaingate Drive	Forest Ridge to Mt Vernon Road	New 3-lane collector	Springfield	\$3,520,000	0.43	78
Mt Vernon Road	Weyerhaeuser Haul Rd to Mountaingate Drive	Extend existing street as 2-lane collector	Springfield	\$780,000	0.2	81
54th Street	Main Street to Daisy Street	New 2-lane collector	Springfield	\$1,090,000	0.28	87
19th Street	Hayden Bridge Road to Yolanda Avenue	Extend existing street as 2-lane collector	Springfield	\$1,290,000	0.33	703
37th Street	Ambleside Drive to Marcola Road	Extend existing street as 2-lane collector per Local Street Plan.	Springfield	\$2,000,000	0.63	709
V Street	31st Street to Marcola Road	New 2 to 3-lane collector	Springfield	\$2,540,000	0.65	777
Yolanda Avenue	31st Street to 34th Street	Extend existing street as 2-lane collector	Springfield	\$780,000	0.2	783
North Gateway Collector/Maple Island Rd	Sports Way to International Way	Collector to serve Campus Industrial parcels	Springfield	\$1,750,000	0.63	798
19th Avenue	Glenwood Boulevard to Henderson Avenue	2-3 lane collector	Springfield	\$2,340,000	0.2	861
Franklin Riverfront Collector	Franklin Blvd/McVay to west portion of Franklin riverfront	Collector to serve Glenwood redevelopment area along riverfront north of Franklin Blvd.	Springfield	\$6,500,000	0.7	897
48th Street	Aster Street to Daisy Street	Extend existing street as 2 lane collector	Springfield	\$430,000	0.3	901
Project Category Subtotal				\$81,318,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Urban Standards</i>						
Agate Street	31st Avenue to Black Oak Road	Upgrade to 2-lane urban facility	Eugene	\$905,000	0.39	215
Dillard Road	E. Amazon Drive to UGB	Upgrade to urban facility	Eugene	\$7,021,000	1.34	298
South Willamette Street	Spencer Crest Drive to UGB	Upgrade to urban facility	Eugene	\$495,000	0.2	299
Bertelsen Road	18th Avenue to Bailey Hill Road	Upgrade to 2 to 3-lane urban facility	Eugene	\$2,369,000	0.6	315
Willow Creek Road	W. 18th Avenue to UGB	Upgrade to 2-lane urban facility	Eugene	\$2,457,000	1.06	342
Bailey Hill Road	Bertelsen to UGB	Upgrade to urban facility	Eugene	\$3,962,000	1.2	343
Bethel Drive	Highway 99 to Roosevelt Blvd	Upgrade to 2-lane urban facility	Eugene	\$7,386,000	1.68	414
Summit Avenue	Fairmount to Floral Hill Dr.	Upgrade to urban facility	Eugene	\$1,854,000	0.3	287
Royal Avenue	Green Hill Road to Terry Street	Upgrade to 3-lane urban facility	Eugene	\$7,512,000	1.01	481
Division Avenue	Division Place to River Avenue	Upgrade to 2 to 3-lane urban facility	Eugene	\$2,658,000	0.86	509
Goodpasture Island Road	Delta Highway to Happy Lane	Upgrade to 2-lane urban facility	Eugene	\$511,000	0.19	664
Jeppesen Acres Road	Gilham Road to Providence Street	Upgrade to 2-lane urban facility	Eugene	\$1,423,000	0.35	670
Van Duyn Road	Western Drive to Harlow Road	Reconstruct to 2-lane urban facility	Eugene	\$579,000	0.25	696
Highway 99	Roosevelt Boulevard to Garfield Street	Upgrade to urban facility	ODOT		1.14	148
Fox Hollow Road	Donald Street to UGB (Christensen Road)	Upgrade to 2-lane urban facility	Eugene, Lane County	\$4,402,000	0.86	245
Green Hill Road	Airport Road to Barger Drive	Rural widening and intersection modifications	Lane County	\$3,150,000	2	485
Hunsaker Lane / Beaver Street	River Road to Division Avenue	Upgrade to 2-lane urban facility	Lane County	\$3,590,000	1.14	527
Wilkes Drive	River Road to River Loop 1	Upgrade to 3-lane urban facility	Lane County	\$3,024,000	0.93	554
Game Farm Road South	Beltline Road to Harlow Road	Upgrade to 2-lane urban facility	Lane County	\$3,000,000	0.93	737
Hayden Bridge Road / 23rd St	Yolanda Avenue to Marcola Road	Reconstruct to 2-lane urban facility	Lane County	\$5,824,000	1.78	747

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
31st Street	Hayden Bridge Road to U Street	Upgrade to 2 to 3-lane urban facility	Lane County	\$1,700,000	0.58	765
Green Hill Road	Barger Drive to West 11th Avenue	Upgrade to 2 to 3-lane urban facility	Lane County, Eugene	\$8,400,000	2.27	454
County Farm Road	North-to-South Section	Upgrade to 3-lane urban facility	Lane County, Eugene	\$3,078,000	0.62	631
County Farm Road	West-to-East Section	Upgrade to 2-lane urban facility	Lane County, Eugene	\$2,418,000	0.53	632
Laura Street	Old Laura Street to Scotts Glen Drive	Widen to 3-lane urban facility	Lane County, Springfield	\$1,025,000	0.4	750
Aspen Street	Centennial Boulevard to West D Street	Reconstruct to 2 to 3-lane urban facility	Lane County, Springfield	\$1,456,000	0.44	809
48th Street	G Street to Main Street	Upgrade to 2-lane urban facility	Springfield	\$1,040,000	0.48	3
52nd Street	Eugene-Springfield Highway (SR 126) to G Street	Upgrade to 2-lane urban facility	Springfield	\$430,000	0.2	6
79th Street	Main Street to Glacier Drive	Upgrade to 2 lane urban facility	Springfield	\$1,770,000	0.46	20
G Street	48th Street to 52nd Street	Upgrade to 2-lane urban facility	Springfield	\$670,000	0.31	54
Thurston Road	72nd Street to UGB	Upgrade to urban facility	Springfield	\$1,770,000	0.61	98
42nd Street	Marcola Road to Railroad Tracks	Reconstruct to 3-lane urban facility	Springfield	\$2,980,000	1.03	713
Baldy View Lane/ North link	Deadmond Ferry Road to RiverBend	Upgrade to urban standards	Springfield	\$2,000,000	0.28	715
Deadmond Ferry Road	International Way to McKenzie River	Upgrade to urban standards	Springfield	\$1,590,000	0.73	724
28th Street	Centennial Boulevard to Main Street	Widen/ provide sidewalks and bike lanes; provide intersection and signal improvements at Main Street	Springfield	\$1,520,000	0.7	909
35th Street	Olympic Street to Commercial	Upgrade to 3-lane urban facility	Springfield	\$1,330,000	0.46	918
Commercial Street	35th Street to 42nd Street	Upgrade to 3-lane urban facility	Springfield	\$2,340,000	0.81	933
S. 28th Street	Main Street to Millrace	Upgrade to 2 to 3-lane urban facility	Springfield	\$2,900,000	0.67	945
21st Street	D Street to Main Street	Upgrade to urban facility	Springfield	\$1,170,000	0.2	962

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category Subtotal</i>				\$101,709,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: Study						
18th Avenue	Bertelsen Road to Agate Street	Corridor study to determine safety and capacity improvements	Eugene	\$310,000	4.71	118
Chambers Street	8th Avenue to 18th Avenue	Corridor Study to Determine Improvements	Eugene	\$310,000	0.8	136
Willamette Street/ Amazon Parkway/Patterson Street/Hilyard Street	13th Avenue to 33rd Avenue	Corridor study to determine improvements	Eugene	\$600,000	5.55	187
Coburg Road	Crescent Avenue to Oakway Road	Access management/safety-operational study	Eugene	\$124,000	2.24	619
Beltline Highway	River Rd to Coburg Rd	D-STIP Development Work	ODOT	\$7,000,000	3.46	555
I-5 Interchange Study	I-105 to Highway 58	Comprehensive study of I-5	ODOT, Springfield	\$2,000,000	6	250
Beltline Highway	Roosevelt Boulevard to W. 11th Ave	Study	ODOT, Eugene	\$500,000	1.14	312
Main St. and 52nd St./Hwy 126 Int.	52nd to Main	Interchange Plans	ODOT, Springfield	\$250,000	1.5	96
Eugene-Springfield Hwy.	I-5 to Main	Facility Plan	ODOT, Springfield	\$750,000	6.5	835
Franklin Blvd.	Jenkins Dr. to Mcvay Rail Trustle	Facility Plan / NEPA	Springfield	\$1,300,000	1.2	802
Main Street/Highway 126	I-5 to UGB	Access management plan	Springfield, ODOT	\$150,000	6	838

Project Category Subtotal

\$13,294,000

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Nodal Development Implementation</i>						
Eugene Nodal Development Infrastructure Funding	Various Locations	Differential Nodal Development Infrastructure Cost*	Eugene	\$2,500,000		
Planning	Various Locations	Planning for implementation of nodal development zoning	Eugene, Springfield	\$6,200,000		
<i>Project Category Subtotal</i>				<i>\$8,700,000</i>		
<i>Financially Constrained Roadway Projects</i>				<i>\$556,295,000</i>		

RTP Table 1b-Illustrative
Capital Investment Actions: Roadway Projects

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: New Arterial Link or Interchange						
Beaver Street Arterial	Hunsaker Lane to Wilkes Drive	R.O.W Acquisition. General construction.	Lane County	\$ 6,000,000	0.84	503
Division Avenue	Beaver Street to Delta Highway	Construct new bridge with up to 4 lanes over the Willamette River	Lane County	\$32,000,000	0.89	512
Irving Road @ NW Expressway	Gansborough entrance to Prairie Road	Construct overpass over NW Expressway and railroad. Signalize access on north side.	Lane County	\$7,000,000	0.3	530
Project Category Subtotal				\$ 45,000,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: Added Freeway Lanes or Major Interchange Improvements						
I-5	@ Willamette River/ Franklin Boulevard Interchange @ Glenwood Interchange	Interchange reconstruction to create one full interchange to improve operations and safety, reconstruct ramps and bridges to modern standards, and provide for 6 lanes on I-5.	ODOT	\$45,000,000	0	150
I-105	Washington/ Jefferson Street Bridge	Add lane to 6th Ave. off-ramp	ODOT	\$6,200,000	0.25	151
I-105	Washington/ Jefferson Street Bridge	Extend third NB lane over bridge to Delta Highway exit ramp	ODOT	\$8,400,000	0.75	154
I-5	30th Avenue/McVay Highway I-105 to Highway 58 (Goshen)	Interchange reconstruction to improve operations and safety, reconstruct ramps and bridges to modern standards, and provide for 6 lanes on I-5.	ODOT	\$65,000,000	5.66	257
Beltline Highway	Roosevelt Boulevard to W. 11th Ave	Enhance safety and mobility within N. Eugene Area, specifically for Beltline Corridor.	ODOT, Eugene	\$25,000,000	1.14	312
Eugene-Springfield Highway (SR-126)	Pioneer Parkway/ Q Street	Interchange improvements	ODOT	\$21,700,000	0	727
Eugene-Springfield Highway (SR-126)	I-5 to Mohawk Boulevard	Widen to 6 lanes	ODOT	\$29,000,000	2.6	728
I-5	@ City of Coburg interchange (Phase 2)	Interchange improvements	ODOT	\$23,000,000	0	1004
Project Category Subtotal				\$223,300,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: Arterial Capacity Improvements						
Franklin Blvd.	Alder Street to Walnut Street	Upgrade to multiway blvd with 2 vehicular lanes in each direction, two EmX lanes, and a planted median	Eugene	\$ 16,000,000	1	119
Bob Straub Parkway	@ Jasper Rd and UP Mainline	Construct grade-separation over Jasper Rd and UP Mainline	Lane County	\$ 10,000,000	0.3	67
Springfield Main Street	Springfield bridges to 21st Street	Convert Springfield Main Street to 2-way traffic	Springfield	\$ 3,000,000	1.6	803
Springfield 2-way S. 'A' Street	Springfield bridges to 21st Street	Convert Springfield S. 'A' Street to 2-way traffic	Springfield	\$ 6,000,000	1.6	801
Project Category Subtotal				\$ 35,000,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Urban Standards</i>						
Jasper Road	S. 42nd Street to Bob Straub Parkway	Upgrade to 2 to 3-lane urban facility	Lane County, Springfield	\$6,501,000	3.5	60
McVay Highway	I-5 to Franklin Boulevard	Upgrade to 3-lane urban facility; intersection improvements at I-5 and Franklin Boulevard	ODOT	\$20,000,000	1.5	833
Franklin Blvd.	Jenkins Drive to Mill St.	Upgrade to urban facility	ODOT	\$6,191,000	1.2	839
<i>Project Category Subtotal</i>				\$32,692,000		
<i>Illustrative Roadway Projects</i>				\$335,992,000		

**RTP Table 2a-Financially Constrained
Capital Investment Actions: Transit Projects**

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	RTP #
Project Category: Buses and Bus Maintenance					
Bus Purchases		New & replacement buses	Lane Transit District	\$ 90,000,000	1110
Project Category Subtotal				\$ 90,000,000	
Project Category: Bus Rapid Transit					
BRT BusPlus	corridors totaling 30 miles	Express bus progressive corridor enhancement	Lane Transit District	\$ 60,000,000	1117
Bus Rapid Transit (EmX)	corridors totaling 30 miles	Express bus corridor	Lane Transit District	\$ 240,000,000	1115
Project Category Subtotal				\$ 300,000,000	
Project Category: General Stops and Stations					
5 Park and Ride Lots	Various	Park and ride lots along major corridors	Lane Transit District	\$ 15,000,000	1105
Passenger Boarding Improvements	Various	Pads, benches, and shelters	Lane Transit District	\$ 5,000,000	1130
Project Category Subtotal				\$ 20,000,000	
Project Category: Nodal Development Transit System Investment					
Stations	4 at various locations	Transfer station	Lane Transit District	\$ 6,000,000	1300
Project Category Subtotal				\$ 6,000,000	
Financially Constrained Transit Projects				\$ 416,000,000	

RTP Table 2b-Illustrative
Capital Investment Actions: Transit Projects

Name	Geographic Limits	Primary Jurisdiction	Estimated Cost	RTP #
Project Category: Bus Rapid Transit				
Bus Rapid Transit (EmX)	Gateway-Beltline Hwy-W. 11th-30th-I-5-Springfield Station	Lane Transit District	\$ 160,000,000	1116
Bus Rapid Transit (EmX)	Bob Straub Parkway	Lane Transit District	\$24,000,000	904
Project Category Subtotal			\$ 184,000,000	
Illustrative Transit Projects			\$ 184,000,000	

**RTP Table 3a-Financially Constrained
Capital Investment Actions: Bicycle Projects**

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: Multi-Use Paths Without Road Project						
5th Avenue	Garfield Street to Chambers Street	Route, Multi-Use Path	Eugene	\$ 189,000	0.21	127
South Bank Path	Autzen Connector to Rail underpass	Multi-Use Path	Eugene	\$ 5,770,000	0.51	169
Westmoreland Park Paths	Fillmore Street to Taylor Street	Multi-Use Path	Eugene	\$ 295,000	0.41	181
Spring Boulevard (B)	29th Avenue to 30th Avenue	Multi-Use Path	Eugene	\$ 850,000	0.22	281
Fern Ridge Path - Commerce Street Connector	Fern Ridge Path to Commerce Street	Multi-Use Path and Bridges	Eugene	\$ 1,200,000	0.11	350
Avalon Street (A)	Candlelight Drive to Beltline Path	Multi-Use Path/Route	Eugene	\$ 700,000	0.36	403
West Bank Path	Formac to approx. 1000ft north of Owosso Bridge	Construct new concrete multi-use path for Riverbank trail system	Eugene	\$ 1,950,000	0.59	556
Q Street Channel	Centennial Loop to Garden Way Path	Multi-Use Path	Eugene	\$ 1,118,000	1.42	682
Valley River Connector (B)	Valley River Way to North Bank Trail	Multi-Use Path	Eugene	\$ 167,000	0.12	692
Jessen Path	Green Hill Road to Beltline Road	Multi Use Path	Eugene	\$ 3,400,000	1.81	463
North Bank Path Rehabilitation and Lighting Project	Peter DeFazio Bridge to Leisure Lane	Multiuse path	Eugene	\$ 1,340,686	0.66	601
Fern Ridge Path Rehabilitation and Lighting Project	Arthur Street to Chambers Street	Multiuse path	Eugene	\$ 843,703	0.27	102

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Beltline Path	Roosevelt Boulevard to W. 11th Avenue	Multi-Use Path	ODOT	\$ 2,500,000	1.13	411
MLK Parkway/ Peace-Health Path multi-use path	Riverbend Drive to Deadmond Ferry Rd.	Construct new multi-use path	Springfield	\$ 105,000	0.55	736
McKenzie River Path	42nd Street to 52nd Street	Multi-Use Path and Striped Lane	Springfield	\$ 3,796,000	1.55	753
Peace-Health Master Plan multi-use path	Riverbend Loop Road to Baldyview/Deadmond Ferry intersection	Construct new multi-use path	Springfield	\$ 117,000	0.66	755
Booth Kelly Road	28th Street to Weyerhauser Truck Road	Multi-Use Path	Springfield	\$ 355,000	2.14	921
Glenwood Riverfront Path (A)	I-5 to Springfield Bridges	Multi-Use Path	Springfield, Willamalane	\$ 3,102,000	1.22	851
Thurston Hills Ridgeline Trail	Potato Hill Loop to 79th	Multi-Use Path	Willamalane	\$ 1,310,000	1.12	794
Moe Mountain Path	V Street to Marcola Rd	Multi-Use Path	Willamalane	\$ 667,000	0.57	797
EWEB Path Extension West	East of Pioneer Parkway to Laura St	Multi-Use path	Willamalane	\$ 800,000	0.15	863
Middle Fork Willamette River Loop Path	South 2nd Street to Clearwater Park: Phase 1 - MF Will. R , Dorris Ranch to Clearwater Park; Phase 2 - Clearwater Park to S.32nd St; Phase 3 - S. 32nd St to S. 28th St; Phase 4 - 28th St. to S. 2nd St.	Multi-Use Path	Willamalane, Springfield	\$ 6,000,000	8	21
By Gully Extension	Mill Street to 8th Street	Multi-Use Path	Willamalane, Springfield	\$ 128,700	0.11	812

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Springfield - Mt. Pisgah Connector	Jasper Road to Buford Park Road	Route, Multi-Use Path, Bridge	Willamalane, Springfield	\$ 4,423,000	2.78	960
<i>Project Category Subtotal</i>				\$ 41,127,089		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Multi-Use Paths With Road Project</i>						
Bob Straub Parkway	57th Street to Jasper Road@ Brand S Rd	Phase 2: Off-road multiuse path inside city limits; 8' shoulders outside	Lane County	\$0	1.9	66
I-5 Path	Chad Drive to Harlow Road	Multi-Use Path (part of roadway project 606)	ODOT, Eugene	\$0	0.89	668
<i>Project Category Subtotal</i>				<i>\$0</i>		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: On-Street Lanes or Routes With Road Project						
Summit Avenue	Fairmount Boulevard to Floral Hill Drive	Route	Eugene	\$ -	0.31	287
Dillard Road	E. Amazon Drive to UGB	Striped Lane	Eugene	\$ 706,000	1.34	298
Bertelsen Road	18th Avenue to Bailey Hill Road	Striped Lane	Eugene	\$ -	0.6	315
Bethel Drive	Highway 99 to Roosevelt Blvd	Striped Lane or Route	Eugene	\$ -	1.69	414
Legacy Extension (Future Collector H)	Avalon Street to Royal Avenue	Striped Lane or Route	Eugene	\$ -	0.47	435
Haviture Way/ Heath Dr (Future Collector O)	Barger Drive to Excalibur Lane	Striped Lane or Route	Eugene	\$ -	0.13	447
Royal Avenue	Green Hill Road to Terry Street	Striped Lane	Eugene	\$ -	1.01	481
Goodpasture Island Road	Delta Highway to Happy Lane	Striped Lane	Eugene	\$ -	0.19	664
Van Duyn Road	Western Drive to Harlow Road	Route	Eugene	\$ -	0.25	696
Fox Hollow Road	Donald Street to Cline Road	Striped Lane, shoulders	Eugene, Lane County	\$ -	0.5	245
Green Hill Road	Airport Road to Barger Drive	Shoulder	Lane County	\$ -	1.98	485
Hunsaker Lane / Beaver Street	River Road to Division Avenue	Striped Lane	Lane County	\$ -	1.14	527
Wilkes Drive	River Road to River Loop 1	Striped Lane	Lane County	\$ -	0.93	554
Game Farm Road South	Beltline Road to Harlow Road	Striped Lane	Lane County	\$ -	0.93	737
Hayden Bridge Road / 23rd St	Yolanda Avenue to Marcola Road	Striped Lane	Lane County	\$ -	1.78	747
31st Street	Hayden Bridge to U Street	Striped Lane	Lane County	\$ -	0.58	765
Green Hill Road	Barger Drive to West 11th Avenue	Striped Lane	Lane County, Eugene	\$ -	2.27	454

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
County Farm Road	North-to-South section	Striped lane	Lane County, Eugene	\$ -	0.62	631
County Farm Road	West-to-East section	Striped Lane	Lane County, Eugene	\$ -	0.53	632
Laura Street	Old Laura Street to Scotts Glen Drive	Striped Lane	Lane County, Springfield	\$ -	0.4	750
Aspen Street	Menlo Loop to West D Street	Striped Lane	Lane County, Springfield	\$ -	0.58	809
Jasper Road (B)	Mt. Vernon Road to UGB South	Striped Lane	Lane County		2.2	63
W. 11th Avenue	Green Hill Road to Terry Street	Striped Lane	ODOT, Eugene		1.06	333
51st / 52nd Street	High Banks Road to Main Street	Route, Striped Lane	Springfield	\$ -	1.2	6
79th Street	Main Street to Glacier Drive	Striped Lane	Springfield	\$ -	0.46	20
Glacier Drive	48th Street to 57th Street	Striped Lane	Springfield	\$ -	0.91	57
37th Street	Ambleside Drive to Marcola Road	Striped Lane	Springfield	\$ -	0.63	709
42nd Street	Marcola Road to Railroad Tracks	Striped Lane	Springfield	\$ -	1.1	713
Glenwood Boulevard	Glenwood Drive to Judkins Road	Striped Lane	Springfield	\$ -	0.42	827
19th Avenue	Glenwood Boulevard to Henderson Avenue	Striped Lane	Springfield	\$ -	0.2	861
48th Street	Aster Street to Daisy Street	Striped Lane	Springfield	\$ -	0.3	901
28th Street	Centennial Boulevard to Main Street	Striped Lane	Springfield	\$ -	0.7	909
35th Street	Olympic Street to Commercial Avenue	Striped Lane	Springfield	\$ -	0.57	918
Commercial Street	35th Street to 42nd Street	Striped Lane	Springfield	\$ -	0.7	933
S. 28th Street	Main Street to Millrace	Striped Lane	Springfield	\$ -	0.51	945
21st Street	D Street to Main Street	Striped Lane	Springfield	\$ -	0.2	962
Virginia / Daisy Bicycle Boulevard	S. 32nd Street to Bob Straub Parkway	Bicycle and traffic safety improvements	Springfield	\$ 1,000,000	2.58	903

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
D Street / E Street Bicycle Boulevard	D Street River Path to 28th Street	Bicycle and traffic safety improvements	Springfield	\$ 1,000,000	2.52	805
<i>Project Category Subtotal</i>				\$ 2,706,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: On-Street Lanes or Routes Without Road Project</i>						
11th Avenue	Chambers Street to Lincoln Street	Striped Lane	Eugene	\$ 37,000	1.04	106
13th Avenue	Chambers Street to Lawrence Street	Striped Lane	Eugene	\$ 37,000	0.96	109
24th Avenue	Chambers Street to Jefferson Street	Striped Lane or Route	Eugene	\$ 74,000	0.82	121
2nd Avenue	Polk Street to Van Buren Street	Route	Eugene	\$ -	0.25	124
Garfield Street	Roosevelt Boulevard to 14th Avenue	Striped Lane	Eugene	\$ 163,000	1.29	145
Lincoln Street / Lawrence Street	5th Avenue to 18th Avenue	Route	Eugene	\$ -	1.14	160
McKinley Street	5th Avenue to 7th Avenue	Route	Eugene	\$ -	0.19	163
Mill Street	10th Avenue to 15th Avenue	Route	Eugene	\$ 495,000	0.38	166
Polk Street	6th Avenue to 24th Avenue	Striped Lane	Eugene	\$ 495,000	1.39	175
High Street	3rd Avenue to 5th Avenue	Striped Lane or Route	Eugene	\$ -	0.25	185
30th Avenue / Amazon Parkway	Agate Street to 29th Avenue	Striped Lane	Eugene	\$ 654,000	0.91	209
Augusta Street	I-5 Ramp to Floral Hill Drive	Striped Lane or Route	Eugene	\$ -	0.98	218
Donald Street	39th Avenue to Fox Hollow Road	Route	Eugene	\$ -	0.62	236
Emerald Street / 29th Avenue	24th Avenue to Laurelwood Golf Course and University Street	Route	Eugene	\$ -	0.82	242
Spring Boulevard (A)	Fairmount Boulevard to 29th Avenue	Route	Eugene	\$ -	1.07	278
Tyler Street	24th Avenue to 28th Avenue	Route	Eugene	\$ -	0.37	290
Walnut Street	15th Avenue to Fairmount Boulevard	Route	Eugene	\$ -	0.25	295
Willamette Street	18th Avenue to 32nd Avenue	Striped Lane	Eugene	\$ 490,000	1.3	296

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
7th Avenue	Bailey Hill Road to McKinley Street	Striped Lane or Route	Eugene	\$ -	0.9	306
Bailey Hill Road	5th Avenue to W. 7th Avenue	Striped Lane	Eugene	\$ -	0.09	309
Seneca Road	7th Place to W. 11th Avenue	Striped Lane	Eugene	\$ -	0.27	324
Candlelight Drive / Danebo Avenue	Barger Avenue to Royal Avenue	Route	Eugene	\$ -	1.01	417
Golden Gardens	Jessen Drive to Barger Drive	Route	Eugene	\$ -	0.5	451
Prairie Road	Maxwell Road to Highway 99	Striped Lane	Eugene	\$ 72,000	0.15	495
Silver Lane	Grove Street to River Road	Striped Lane	Eugene	\$ -	0.89	548
Clinton Drive / Debrick Road	Cal Young Road to Willagillespie Road	Route	Eugene	\$ -	0.51	616
Lakeview/ Parkview	Gilham Road to County Farm Road	Striped Lane or Route	Eugene	\$ -	0.79	644
Gilham Road	Torr Avenue to Ayers Road	Striped Lane or Route	Eugene	\$ -	0.25	662
Kinsrow Avenue	Martin Luther King Jr. Boulevard to Commons Drive	Route	Eugene	\$ -	0.3	672
Minda Drive / Sally Way	Norkenzie Road to Norwood Street	Route	Eugene	\$ -	0.51	674
Tandy Turn / Lariat Meadows	Oakway Road to Coburg Road	Route	Eugene	\$ -	0.48	686
Torr Avenue	Gilham Road to Wildish Lane	Striped Lane or Route	Eugene	\$ -	0.66	688
Valley River Way (A)	Valley River Drive to Valley River Connector	Striped Lane	Eugene	\$ 248,000	0.23	694
Van Duyn Road / Bogart Road	Willakenzie Road to Western Drive	Route	Eugene	\$ -	0.61	698

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Blair-Van Buren Streetscape and Active Transportation Corridor		On-street route and streetscape	Eugene	\$ 1,011,786	1	101
W. 11th Avenue	Danebo Avenue to Chambers Street	Striped Lane	Eugene, ODOT	\$ -	3	334
Thurston Road	Billings Road to Highway 126	Route or Shoulder	Lane County	\$ 150,000	1.61	97
Green Hill Road	W. 11th Avenue to Crow Road	Striped Lane/Shoulder	Lane County	\$ 250,000	0.26	453
Grove Street	Silver Lane to Howard Avenue	Striped Lane or Route	Lane County	\$ 150,000	0.16	515
Hilliard Lane	N. Park Avenue to W. Bank Trail	Route	Lane County	\$ 1,000,000	1.09	518
Horn Lane	Lake Drive to River Road	Striped Lane or Route	Lane County	\$ 700,000	0.75	521
Howard Avenue	River Road to N. Park Avenue	Striped Lane or Route	Lane County	\$ 900,000	0.96	524
Lake Drive / Horn Ln/ N. Park Avenue	Howard Road to Northwest Expressway	Striped Lane or Route	Lane County	\$ 850,000	0.91	536
N. Park Avenue	Maxwell Road to Horn Lane	Striped Lane or Route	Lane County	\$ 950,000	1.02	539
Seavey Loop Road / Franklin Boulevard	Coast Fork of Willamette River to I-5	Route or Shoulder	Lane County	\$ 250,000	2.44	957
Franklin Blvd.	Brooklyn to Willamette River	Striped Lane or Multi-use Path	ODOT		0.25	807
McVay Highway	I-5 to 30th Avenue	Striped Lane	ODOT		0.71	834
66th Street	Thurston Road to Main Street	Striped Lane	Springfield	\$ -	0.55	12
S. 67th Street	Ivy Street to Main Street	Striped Lane or Route	Springfield	\$ 61,000	0.3	92
S. 70th Street	Main Street to Ivy Street	Striped Lane	Springfield	\$ 166,000	0.6	94
Ivy Street	67th Street to 70th Street	Route	Springfield	\$ -	0.3	99

RTP Table 3b-Illustrative**Capital Investment Actions: Bicycle Projects**

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Project Category: Multi-Use Paths Without Road Project						
16th Avenue Connector	Fern Ridge Path to Jefferson Street	Multi-Use Path	Eugene	\$ 170,000	0.09	112
Augusta Street Path	Laurel Hill Park to 30th Avenue	Multi-Use Path	Eugene	\$ 1,500,000	0.79	221
Deertrail Path	29th Avenue to Sundance Street	Multi-Use Path, Route	Eugene	\$ 3,500,000	1.85	230
Upper Amazon Path	Hilyard Street to Canyon Drive	Multi-Use Path	Eugene	\$ 3,700,000	1.95	293
South Hills Trail	Bailey Hill Road to Willamette Street	Multi-Use Path	Eugene	\$ 10,200,000	5.47	327
Meadowview Bike Path	Meadowview School to Fern Ridge Path	Multi-Use Path	Eugene	\$ 1,400,000	0.75	496
West Bank Path (B)	Hileman Co. Park to Beltline Highway	Multi-Use Path	Eugene	\$ 7,000,000	3.75	551
Delta Highway Path	Delta Ponds to Willagillespie School	Multi-Use Path	Eugene	\$ 2,129,000	0.47	636
Fern Ridge Path #3	Royal Avenue to Fern Ridge Reservoir	Multi-Use Path	Eugene, Lane County	\$ 6,891,000	0.91	426
Willamette McKenzie Path	Beltline Road to Armitage Park	Multi-Use Path	Eugene, Lane County	\$ 9,300,000	4.99	699
McKenzie-Gateway Path	Game Farm Road S. to Deadmond Ferry Road	Multi-Use Path	Springfield	\$ -	1.7	759
Glenwood River Front Path (B)	Springfield Bridges to Seavey Loop Road	Multi-Use Path	Springfield	\$ 3,593,000	1.59	854
Glenwood Bicycle / Pedestrian Bridge	Island Park to Southwest bank of Willamette River	Newly constructed multiuse path bridge	Springfield, Willamalane	\$ 4,000,000	0.21	804

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
Game Bird Park Path	Flamingo Avenue to N. Cloverleaf Loop	Multi-Use Path	Willamalane	\$ 724,000	0.1	734
SCS Channel Path	Guy Lee Park	Multi-Use Path	Willamalane	\$ 316,000	0.27	738
Coburg Loop Path: Armitage Park Connector	McKenzie View Rd. Intersection at Coburg Rd. north (most likely) along former rail grade connecting adjacent to Roberts Rd. to Assessors Map 16-03- 33-40, Tax Lot 00700	A 10' wide hardsurface, multiuse path extending approximately one mile between Southern end of Roberts Rd., Coburg and ArmitageCounty Park, Eugene on the McKenzie River	Coburg	\$865,000	1.3	1001
<i>Project Category Subtotal</i>				\$ 55,288,000		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: Multi-Use Paths With Road Project</i>						
Bob Straub Parkway Multiuse Path	Mt Vernon Road to the City Limits	Extend the existing multiuse path to city limits	Lane County	\$ 268,000	0.5	902
<i>Project Category Subtotal</i>				<i>\$ 268,000</i>		

Name	Geographic Limits	Description	Primary Jurisdiction	Estimated Cost	Length	RTP #
<i>Project Category: On-Street Lanes or Routes With Road Project</i>						
Beaver Street Arterial	Hunsaker Lane to Wilkes Drive	Striped Lane	Lane County	\$ -	0.84	503
Division Avenue	Beaver Street to Delta Highway	Striped Lane	Lane County	\$ -	0.89	512
McVay Highway	I-5 to Franklin Boulevard	Striped Lane	ODOT	\$ -	1.5	833
Franklin Blvd.	Jenkins Drive to Mill St.	Striped Lane	ODOT	\$ -	1.2	839
<i>Project Category Subtotal</i>				\$ -		

Appendix D

Using Emissions Model MOBILE 6.2.03

D-1. Computed Emission Factors from MOBILE 6.2.03 – November 2011

Carbon Monoxide (Winter) Emission Factors (gm/mile)					
Year>	2010	2011	2020	2030	2035
Speed mph					
Freeway Facilities, no ramps; Arterials and Collectors					
1	48.858	50.586	32.727	29.212	29.141
2	48.858	50.586	32.727	29.212	29.141
3	43.186	44.846	29.101	25.994	25.929
4	36.097	37.671	24.569	21.973	21.915
5	31.843	33.366	21.850	19.559	19.506
6	28.743	30.163	19.763	17.690	17.641
7	26.529	27.875	18.272	16.354	16.310
8	24.868	26.160	17.154	15.352	15.311
9	23.577	24.825	16.284	14.573	14.534
10	22.544	23.757	15.589	13.950	13.912
11	21.772	22.943	15.045	13.460	13.424
12	21.129	22.264	14.593	13.051	13.018
13	20.585	21.690	14.210	12.706	12.674
14	20.119	21.197	13.881	12.409	12.379
15	19.715	20.771	13.597	12.153	12.123
16	19.536	20.586	13.481	12.049	12.020
17	19.377	20.424	13.378	11.957	11.930
18	19.236	20.279	13.287	11.875	11.849
19	19.110	20.150	13.205	11.802	11.777
20	18.997	20.033	13.132	11.736	11.711
21	18.893	19.926	13.064	11.676	11.652
22	18.798	19.828	13.003	11.621	11.597
23	18.711	19.739	12.947	11.571	11.548
24	18.631	19.658	12.896	11.525	11.502
25	18.558	19.583	12.849	11.483	11.461
26	18.492	19.515	12.806	11.445	11.423
27	18.430	19.452	12.766	11.409	11.388
28	18.373	19.393	12.729	11.376	11.355
29	18.320	19.338	12.695	11.346	11.325
30	18.271	19.287	12.663	11.317	11.297
31	18.274	19.292	12.666	11.318	11.298
32	18.277	19.296	12.668	11.319	11.299
33	18.280	19.299	12.670	11.320	11.300
34	18.283	19.303	12.672	11.321	11.301
35	18.285	19.306	12.674	11.322	11.302
36	18.392	19.420	12.756	11.396	11.377
37	18.493	19.528	12.834	11.467	11.447
38	18.589	19.630	12.907	11.533	11.514
39	18.679	19.726	12.977	11.596	11.578
40	18.766	19.818	13.043	11.657	11.638

Carbon Monoxide (Winter) Emission Factors (gm/mile)					
Year>	2010	2011	2020	2030	2035
Speed mph					
Freeway Facilities, no ramps; Arterials and Collectors					
41	18.876	19.936	13.128	11.733	11.714
42	18.982	20.048	13.208	11.807	11.788
43	19.082	20.154	13.285	11.876	11.857
44	19.178	20.256	13.359	11.943	11.924
45	19.270	20.353	13.429	12.007	11.988
46	19.385	20.474	13.516	12.086	12.067
47	19.494	20.590	13.599	12.162	12.142
48	19.599	20.701	13.679	12.234	12.215
49	19.700	20.808	13.755	12.304	12.285
50	19.797	20.910	13.829	12.371	12.352
51	19.916	21.035	13.919	12.453	12.433
52	20.030	21.155	14.005	12.531	12.512
53	20.139	21.270	14.088	12.607	12.587
54	20.245	21.381	14.168	12.680	12.660
55	20.347	21.488	14.245	12.750	12.730
56	20.476	21.624	14.343	12.841	12.820
57	20.601	21.754	14.438	12.928	12.907
58	20.721	21.880	14.530	13.012	12.991
59	20.838	22.002	14.618	13.093	13.072
60	20.950	22.120	14.704	13.172	13.150
61	21.087	22.262	14.807	13.267	13.245
62	21.219	22.400	14.907	13.359	13.337
63	21.347	22.533	15.004	13.448	13.426
64	21.471	22.662	15.098	13.535	13.512
65	21.591	22.787	15.188	13.618	13.595
LOCAL ROADS					
all speeds	19.126	20.210	13.593	12.303	12.271
RAMPS					
all speeds	22.970	24.012	15.520	13.772	13.752

D-2. Sample Input file to MOBILE 6.2.03

a) Freeway (no ramps) and Arterial facilities

For freeways, the input file was identical to that for arterials and collectors, except for the substitution of key word "Non-ramp" in place of "Arterial"

```
* CO Emissions Plan 11.27.11
* Filename: arterl20.in = CY 2020 Arterial
* Final results reflect an 'Average Winter Day.'

MOBILE6 INPUT FILE
POLLUTANTS      : CO

RUN DATA
REG DIST        : LANE.D
OXYGENATED FUELS : 0.0 1.0 0.0 0.035 2
FUEL RVP        : 15
MIN/MAX TEMP    : 33.6 46.2
ABSOLUTE HUMIDITY : 26.9

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 1.0 Arterial

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 2.0 Arterial

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 3.0 Arterial
.....

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 44.0 Arterial

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 45.0 Arterial

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 46.0 Arterial
.....

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 64.0 Arterial

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
AVERAGE SPEED   : 65.0 Arterial

END OF RUN
```

Input file **LANE.D** is defined below.

b) Local facilities

```
* CO Emissions Plan 11.27.11
* Filename: local20.in = CY 2020 LOCAL ROADS
* Final results reflect an 'Average Winter Day.'

MOBILE6 INPUT FILE
POLLUTANTS      : CO
RUN DATA
REG DIST        : LANE.D
OXYGENATED FUELS : 0.0 1.0 0.0 0.035 2

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
FUEL RVP        : 15
MIN/MAX TEMP    : 33.6 46.2
VMT BY FACILITY : local.def
ABSOLUTE HUMIDITY : 26.9

END OF RUN
```

Input file **local.def** is defined below.

c) Ramp facilities

```
* CO Emissions Plan 11.27.11
* Filename: ramps20.in = CY 2020 RAMPS only
* Final results reflect an 'Average Winter Day.'

MOBILE6 INPUT FILE
POLLUTANTS      : CO
RUN DATA
REG DIST        : LANE.D
OXYGENATED FUELS : 0.0 1.0 0.0 0.035 2

SCENARIO RECORD : Winter, Fleet Ave. Emis.
CALENDAR YEAR   : 2020
EVALUATION MONTH : 1
FUEL RVP        : 15
MIN/MAX TEMP    : 33.6 46.2
VMT BY FACILITY : ramps.def
ABSOLUTE HUMIDITY : 26.9

END OF RUN
```

Input file **ramps.def** is defined below.

Vehicle Registration Mix (file LANE.D)

REG DIST

*

*2011 Lane County composite registration

* The 25 age values are arranged in two rows of 10 values followed by a row
 * with the last 5 values. Comments (such as this one) are indicated by
 * an asterisk in the first column. Empty rows are ignored. Values are
 * read "free format," meaning any number may appear in any row with as
 * many characters as needed (including a decimal) as long as 25 values
 * follow the initial integer value separated by a space.

*

* If all 28 vehicle classes do not need to be altered from the default
 * values, then only the vehicle classes that need to be changed need to
 * be included in this file. The order in which the vehicle classes are
 * read does not matter, however each vehicle class set must contain 25
 * values and be in the proper age order.

*

* 1 LDV Light-Duty Vehicles (Passenger Cars)
 * 2 LDT1 Light-Duty Trucks 1 (0-6,000 lbs. GVWR, 0-3750 lbs. LVW)
 * 3 LDT2 Light Duty Trucks 2 (0-6,001 lbs. GVWR, 3751-5750 lbs. LVW)
 * 4 LDT3 Light Duty Trucks 3 (6,001-8500 lbs. GVWR, 0-3750 lbs. LVW)
 * 5 LDT4 Light Duty Trucks 4 (6,001-8500 lbs. GVWR, 3751-5750 lbs. LVW)
 * 6 HDV2B Class 2b Heavy Duty Vehicles (8501-10,000 lbs. GVWR)
 * 7 HDV3 Class 3 Heavy Duty Vehicles (10,001-14,000 lbs. GVWR)
 * 8 HDV4 Class 4 Heavy Duty Vehicles (14,001-16,000 lbs. GVWR)
 * 9 HDV5 Class 5 Heavy Duty Vehicles (16,001-19,500 lbs. GVWR)
 * 10 HDV6 Class 6 Heavy Duty Vehicles (19,501-26,000 lbs. GVWR)
 * 11 HDV7 Class 7 Heavy Duty Vehicles (26,001-33,000 lbs. GVWR)
 * 12 HDV8A Class 8a Heavy Duty Vehicles (33,001-60,000 lbs. GVWR)
 * 13 HDV8B Class 8b Heavy Duty Vehicles (>60,000 lbs. GVWR)
 * 14 HDBS School Busses
 * 15 HDBT Transit and Urban Busses
 * 16 MC Motorcycles (All)

* This data is from Jeff Stocum at DEQ representing Nov 2011 data from DMV
 * database. Early model 2012 vehicles are included in 2011 year which is bin 1.
 * The entire DMV database is included, including motor homes.

* The idea in this version of the registration is to assign the DMV "passenger"
 * data to the LDV and the LDT because this data includes vehicles under 8500 lbs.

* LDV

1 0.0194 0.0243 0.0246 0.0435 0.0484 0.0524 0.0533 0.0529 0.0515 0.0518
 0.0500 0.0531 0.0499 0.0449 0.0432 0.0368 0.0362 0.0342 0.0278 0.0236
 0.0211 0.0197 0.0177 0.0143 0.1054

* LDT1

2 0.0194 0.0243 0.0246 0.0435 0.0484 0.0524 0.0533 0.0529 0.0515 0.0518
 0.0500 0.0531 0.0499 0.0449 0.0432 0.0368 0.0362 0.0342 0.0278 0.0236
 0.0211 0.0197 0.0177 0.0143 0.1054

* LDT2

3 0.0194 0.0243 0.0246 0.0435 0.0484 0.0524 0.0533 0.0529 0.0515 0.0518
 0.0500 0.0531 0.0499 0.0449 0.0432 0.0368 0.0362 0.0342 0.0278 0.0236
 0.0211 0.0197 0.0177 0.0143 0.1054

* LDT3

4 0.0194 0.0243 0.0246 0.0435 0.0484 0.0524 0.0533 0.0529 0.0515 0.0518
 0.0500 0.0531 0.0499 0.0449 0.0432 0.0368 0.0362 0.0342 0.0278 0.0236
 0.0211 0.0197 0.0177 0.0143 0.1054

* LDT4

5 0.0194 0.0243 0.0246 0.0435 0.0484 0.0524 0.0533 0.0529 0.0515 0.0518
 0.0500 0.0531 0.0499 0.0449 0.0432 0.0368 0.0362 0.0342 0.0278 0.0236
 0.0211 0.0197 0.0177 0.0143 0.1054

* These five values above have been updated through 2008.

Vehicle Registration Mix (file LANE.D) (continued from previous page)

* The remainder of the data in this file was mostly supplied by WDOE and is from
 * WA 2004 (veh 6-13, 16); FTA 2002 (veh 15); OR Dept. of Education 2005 (veh 14 -
 Schoolbus)

* [latest and greatest from Sally Otterson Nov 2004]

06	0.0521	0.0929	0.0994	0.1154	0.0829	0.0959	0.0424	0.0689	0.0409	0.0372
	0.0286	0.0233	0.0170	0.0138	0.0179	0.0179	0.0140	0.0088	0.0145	0.0113
	0.0094	0.0053	0.0053	0.0053	0.0796					
07	0.0991	0.1077	0.0634	0.0832	0.0549	0.0903	0.0442	0.0399	0.0254	0.0343
	0.0313	0.0227	0.0204	0.0187	0.0261	0.0258	0.0203	0.0134	0.0158	0.0130
	0.0115	0.0062	0.0062	0.0078	0.1186					
08	0.0260	0.0408	0.0306	0.0516	0.0729	0.0703	0.0328	0.0666	0.0424	0.0500
	0.0381	0.0329	0.0300	0.0330	0.0447	0.0354	0.0266	0.0147	0.0182	0.0144
	0.0101	0.0058	0.0072	0.0102	0.1946					
09	0.0301	0.0507	0.0406	0.0507	0.0756	0.0640	0.0352	0.0447	0.0379	0.0416
	0.0377	0.0305	0.0356	0.0245	0.0414	0.0288	0.0216	0.0140	0.0152	0.0173
	0.0113	0.0078	0.0107	0.0072	0.2253					
10	0.0311	0.0280	0.0291	0.0430	0.0566	0.0599	0.0425	0.0417	0.0346	0.0439
	0.0310	0.0268	0.0262	0.0295	0.0306	0.0218	0.0201	0.0190	0.0191	0.0186
	0.0141	0.0089	0.0107	0.0133	0.2999					
11	0.0148	0.0163	0.0230	0.0297	0.0370	0.0405	0.0345	0.0279	0.0307	0.0417
	0.0227	0.0241	0.0277	0.0334	0.0447	0.0305	0.0326	0.0335	0.0277	0.0305
	0.0252	0.0130	0.0179	0.0277	0.3129					
12	0.0150	0.0205	0.0158	0.0275	0.0348	0.0345	0.0305	0.0300	0.0325	0.0476
	0.0324	0.0285	0.0306	0.0365	0.0450	0.0410	0.0386	0.0340	0.0330	0.0391
	0.0287	0.0141	0.0198	0.0266	0.2633					
13	0.0525	0.0469	0.0279	0.0583	0.0744	0.0759	0.0594	0.0540	0.0558	0.0592
	0.0500	0.0395	0.0314	0.0316	0.0379	0.0408	0.0326	0.0247	0.0205	0.0206
	0.0163	0.0057	0.0060	0.0087	0.0692					
14	0.1068	0.0483	0.0771	0.0704	0.1003	0.1119	0.0927	0.0870	0.0629	0.0665
	0.0608	0.0299	0.0117	0.0177	0.0114	0.0096	0.0060	0.0057	0.0109	0.0034
	0.0026	0.0008	0.0005	0.0008	0.0044					
15	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0500	0.0500	0.0500	0.0500
	0.0500	0.0500	0.0397	0.0397	0.0397	0.0397	0.0156	0.0156	0.0156	0.0156
	0.0156	0.0029	0.0029	0.0029	0.0058					
16	0.0574	0.0931	0.0794	0.0689	0.0563	0.0477	0.0386	0.0305	0.0294	0.0251
	0.0237	0.4500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000					

