MEMO TO: City Council

FROM: John Marchione, Mayor

DATE: October 5, 2010

SUBJECT: RESOLUTION - ADOPTION OF SIX-YEAR TRANSPORTATION

IMPROVEMENT PROGRAM (TIP) 2011-2016

I. RECOMMENDED ACTION:

1. Approve the Resolution adopting the 2011-2016 Six-Year Transportation Improvement Program.

2. Authorize the Mayor to sign the grant agreement for TIP projects P13 and P14 – Redmond Way Overlay Phase 1 (132nd Ave NE to Bear Creek Parkway) and Redmond Way Overlay Phase 2 (Bear Creek Parkway to 164th Ave NE).

II. DEPARTMENT CONTACT PERSONS:

Bill Campbell, Director of Public Works	425-556-2733
Ron Grant, Assistant Public Works Director/City Engineer	425-556-2742
Joel Pfundt, Principal Planner	425-556-2750
Peter Dane, Planner	425-556-2816

III. DESCRIPTION:

RCW 35.77.010 requires that the City annually update its Six-Year Transportation Improvement Program (TIP).

Based on guidance given at the August 31, 2010, City Council Study Session, the draft TIP presented at the Study Session was revised and made available to the public two weeks prior to the October 5, 2010, Public Hearing. Two additional projects have been added to the TIP:

- L10 160th Ave NE Extension Preliminary Design, and
- L11 SR 520 Corridor Planning Study.

The City of Redmond is receiving \$2,655,000 for pavement overlay and bridge deck rehabilitation on Redmond Way, as part of the City agreeing to take ownership of the

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former SR 908. In addition to adding this to the 2011-2016 TIP, as project P13 and P14, the Mayor will need to sign a grant agreement with the Washington State Department of Transportation in order to access these funds.

IV. IMPACT:

- **A. Service/Delivery:** The six-year TIP update provides Council, the public, and staff with the opportunity to annually review and comment on all transportation projects that are occurring in the City. This annual update provides everyone involved with a forum to be updated on planned projects, discuss new projects, remove completed projects, and set priorities. Funding for the Redmond Way Overlay project will allow design and construction to move forward in 2011.
- **B. Fiscal:** The six-year TIP obligates no funds. The six-year TIP is developed to meet state requirements. The projects and priorities used in the TIP process are intended to be consistent with the Budget by Priorities process that is underway to develop the new six-year Capital Investment Program (CIP) and two-year budget. Authorizing the Mayor to sign the grant will allow the City to receive federal and state funding for the Redmond Way Overlay project.

V. ALTERNATIVES:

Although there is no alternative to approving a resolution to adopt the TIP because the State requires this annual update, the content of the proposed 2011-2016 TIP may be modified by the City Council at any time prior to approval of the resolution. The plan may also be modified at anytime during the year though an amendment process, which would include another public hearing and adoption of a new resolution.

Not authorizing the Mayor to sign the grant agreement for the Redmond Way Overlay project would result in the City not being able to receive the federal and state grant funds.

VI. TIME CONSTRAINTS:

The adopted TIP is required to be submitted to the Puget Sound Regional Council and the Washington State Department of Transportation by August 1, 2010. Although the City did not meet the deadline this year, approval of the TIP in October will still assure that we have an approved 2011-2016 TIP prior to January 1, 2011. It will also ensure that the City does not miss any potential grant opportunities that would require a project be included in the 2011-2016 TIP.

The City plans to begin Phase 1 and Phase 2 of the Redmond Way Overlay in 2011. The federal and state funds will be necessary for this to move forward.

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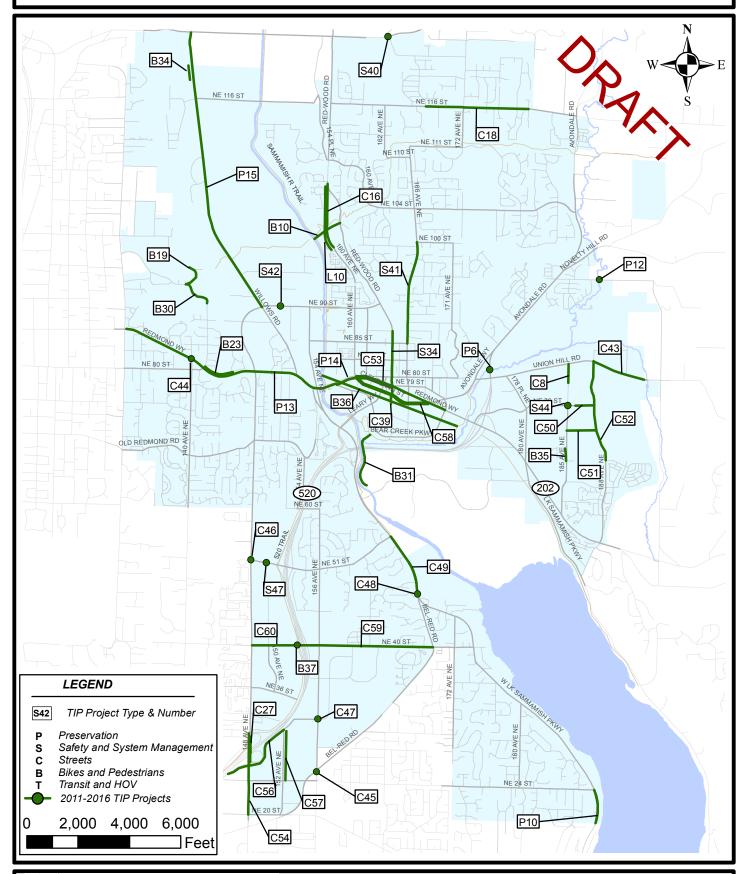
VII. LIST OF ATTACHMENTS:

- A. 2011-2016 Transportation Improvement Program Project Map
- B. Resolution adopting the 2011-2016 TIP
- C. 2011-2016 Transportation Improvement Program Project List. The Project List is noted as Exhibit A, which is referenced in the resolution adopting the 2011-2016 TIP
- D. 2011-2016 Transportation Improvement Program Project Descriptions

/s/		9/24/2010
William J. Campbell, Director of	Public Works	Date
Approved for Council Agenda	Jane Christenson for	9/27/2010
	John Marchione, Mayor	Date

C) Draft 11-16 TIP Map







Draft 11-16 TIP

CITY OF REDMOND RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON, ADOPTING A SIX-YEAR TRANSPORTATION IMPROVEMENT PROGRAM FOR THE YEARS 2011-2016 AND DIRECTING THE SAME TO BE FILED WITH THE STATE SECRETARY OF TRANSPORTATION AND THE TRANSPORTATION IMPROVEMENT BOARD

WHEREAS, pursuant to the requirements of Chapters 35.77 and 47.26 RCW, the City Council of the City of Redmond has previously adopted a Comprehensive Street Program, including an arterial street construction program, and thereafter periodically modified said Comprehensive Street Program by resolution; and

WHEREAS, the City Council has reviewed the work accomplished under the said Program during the past year, determined current and future City street and arterial needs, and based upon these findings has prepared a Six-Year Transportation Improvement Program for the ensuing six (6) calendar years; and

WHEREAS, a public hearing has been held on the Six-Year Transportation Improvement Program; and

WHEREAS, the City Council finds that there will be no significant adverse environmental impacts as a result of adoption or implementation of the Six-Year Transportation Improvement Program.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON, HEREBY RESOLVES AS FOLLOWS:

Section 1. Program Adopted. The Six-Year Transportation Improvement Program for the City of Redmond, as revised and extended for the ensuing six (6) calendar years (2011-2016, inclusive), a copy of which is attached hereto as Exhibit A and incorporated herein by this reference as if fully set forth, which Program sets forth the project location, type of improvement, and the estimated cost thereof, is hereby adopted and approved.

Section 2. Filing of Program. Pursuant to Chapter 35.77 RCW, the City Clerk is hereby authorized and directed to, within thirty (30) days, file a copy of this resolution forthwith, together with the Exhibit attached hereto, with the Secretary of Transportation and a copy with the Transportation Improvement Board for the State of Washington.

ADOPTED by the Redmond City Counci	l this day of
, 2010.	
	APPROVED:
	MAYOR, JOHN MARCHIONE
ATTEST/AUTHENTICATED:	
CITY CLERK, MICHELLE M. MCGEHEE, CMC	(SEAL)
FILED WITH THE CITY CLERK:	
PASSED BY THE CITY COUNCIL:	

RESOLUTION NO:

ATTACHMENT C

Six-Year Transportation Improvement Program

Project List

				Proj	Proj		Six-Year Project Funding Information (All Dollars in Thousands)				
	Street or Project	From	То	Start	· 1 · 1	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *
	BIKES AND PEDESTRIANS										
B1	Bicycle Facilities Improvement Program			2011	2016		2,950			2,950	2,950
B2	Sidewalk Improvement Program			2011	2016		10,331		200	10,531	10,531
B10	Puget Sound Energy Trail	Sammamish River	Red-Wood Road	2014	2015	2,621				0	2,621
B19	Puget Sound Energy Trail, Rose Hill Extension	132nd Avenue NE	Willows Road	2015	2016	1,203				0	1,203
B23	Redmond Way Sidewalk	142nd Avenue NE	145th Avenue NE	2015	2016	1,879				0	1,879
B27	Neighborhood Connections			2011	2016					0	q
B30	Willows Creek Trail	142nd Avenue NE	Puget Sound Energy Trail	2015	2016	2,921				0	2,921
B31	Bear Creek Trail Connector, Redmond Town Center to Marymoor Park	Redmond Town Center	Marymoor Park	2014	2015	2,251				0	2,251
B34	Sidewalk on Willows Rd from NE 117th St to NE 118th St	NE 117th St	NE 118th St	2011	2011		46			46	46
B35	Sidewalk on 185th Ave NE from NE 67th St to NE 68th St	NE 67th St	NE 68th St	2011	2011		54			54	54
B36	Redmond Central Connector (BNSF) Trail	Sammamish River	Bear Creek Trail near SR 520	2011	2012	3,900				0	3,900
B37	520 Trail Grade-Separation at NE 40th St	520 Bike Trail	520 Bike Trail	2016	2016	5,000				0	5,000
										13,581	33,356
	MAJOR STREET										
C8	185th Avenue NE Extension	NE 80th Street	Union Hill Road	2011	2011		6,641			6,641	6,641
C16	160th Avenue NE Extension	NE 98th Street	Red-Wood Road	2014	2016	33,612				0	33,612
C18	NE 116th Street Widening	167th Place NE	179th Place NE	2014	2015	6,122	3,878			3,878	10,000
C27	148th Ave NE Multi-use Path over SR 520	SR 520 Trail/Eastbound SR 520 ramps	Westbound SR 520 ramps	2014	2015	5,000				0	5,000
C39	164th Avenue NE Extension	NE 76th Street	Cleveland Street	2011	2012	2,750	500			500	3,250
C43	Union Hill Road Widening, Phase 3	188th Avenue NE	East City Limits	2013	2014	2,500	500			500	3,000
C44	Redmond Way & 140th Ave NE Intersection Widening	Redmond Way	140th Ave	2013	2014		1,673			1,673	1,673

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^{*}Total Project Cost represents the total estimated cost of the project. The funding represented in the six-year TIP may be less than the total project funding for two reasons. One, the project is underway and has expended money during years prior to the first year of the TIP. Two, the project is planned for the later years of the TIP and will not be completed by final year in the TIP.

				Proj F	Proj		Total				
	Street or Project	From	То	Start	End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *
C45	Bellevue-Redmond Rd & 156th Ave NE Intersection Widening	Bellevue-Redmond Rd	156th Ave	2013	2013		447			447	447
C46	NE 51st St & 148th Ave NE Intersection Improvements	51st Street	148th Ave	2013	2014		1,403			1,403	1,403
C47	NE 31st St and 156th Ave NE Intersection Widening	31st Street	156th Avenue	2013	2013		1,403			1,403	1,403
C48	Bellevue-Redmond Rd and West Lake Sammamish Parkway Roundabout	Bellevue-Redmond Rd	West Lake Sammamish Parkway	2014	2015	10,755	200			200	10,955
C49	West Lake Sammamish Parkway NE Widening	Bel-Red Road	NE 51st Street	2016	2016	27,291	200			200	27,491
C50	NE 76th Street Extension	185th Ave NE	188th Ave NE	2011	2012		8,876			8,876	8,876
C51	NE 73rd Street Extension	185th Ave NE	188th Ave NE	2014	2016		11,995			11,995	11,995
C52	188th Ave NE Extension	NE 68th Street	Union Hill Road	2012	2013		18,057			18,057	18,057
C53	Redmond Way and Cleveland Street Corridor Improvements	160th Avenue NE	170th Avenue NE	2014	2015	8,500				0	8,500
C54	148th Avenue NE Improvements	NE 22nd Street	Westbound SR 520 Ramps	2016	2016	32,116				0	32,116
C56	Overlake Access Ramp	SR 520	152nd Avenue NE	2015	2016	49,500	500			500	50,000
C57	152nd Avenue NE Improvements, Phase 1	NE 24th Street	Ne 31st Street	2016	2016	19,000				0	19,000
C58	Cleveland Street Streetscape	160th Ave NE	170th Ave NE	2012	2013	4,500	4,000			4,000	8,500
C59	NE 40th Street Improvements, Phase 1	156th Ave NE	Bel-Red Rd	2012	2012	200				0	200
C60	NE 40th Street Improvements, Phase 2	148th Ave NE	156th Ave NE	2014	2015	1,966				0	1,966
										60,273	264,085
	PLANNING										
L5	Transportation Master Plan Update			2011	2011		875			875	875
L8	148th Avenue NE Corridor Master Plan	Bellevue-Redmond Road	SR 520 Interchange	2011	2012	250	250			250	500
L9	Sound Transit East Link			2011	2012		300			300	300
L10	160th Avenue NE Extension Preliminary Design	NE98th Street	Red-Wood Road	2014	2014	200				0	200

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				Proj F	Proj -			Total			
	Street or Project	From	То	Start	End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *
L11	SR 520 Corridor Planning Study			2014	2014	100				0	100
										1,425	1,975
	PRESERVATION										
P1	Pavement Management Program			2011	2016		6,800			6,800	6,800
P2	Bridge Repair Program			2011	2016		500			500	500
P6	Avondale Road Bridge Rehabilitation at Bear Creek	Avondale Road	Bear Creek	2012	2012		100			100	100
P10	West Lake Sammamish Parkway Rehabilitation	South City Limits	NE 24th Street	2016	2016	919				0	919
P12	NE 95th Street Bridge Replacement	Bear Creek	Bear Creek	2015	2015	250				0	250
P13	Redmond Way Overlay Phase 1	132nd Ave NE	Bear Creek Parkway	2011	2012		100	2,150	52	2,302	2,302
P14	Redmond Way Overlay Phase 2	Bear Creek Parkway	164th Ave NE	2011	2013			452		452	452
P15	Willows Road Rehabilitation	NE 90th Street	NE 124th Street	2016	2016	1,115				0	1,115
										10,154	12,438
	SAFETY AND SYSTEM MANAGEMENT										
S1	Neighborhood Traffic Calming Program			2011	2016		900			900	900
S2	Channelization Improvement Program			2011	2016		450			450	450
S4	Engineering Contingency Program			2011	2016		800			800	800
S5	Street Lighting Improvement Program			2011	2016		404			404	404
S7	Utility Undergrounding Program			2011	2016		300			300	300
S29	Transportation Concurrency Management Program			2011	2016		600			600	600
S34	164th Avenue NE Rechannelization	Cleveland Street	NE 87th Street	2014	2015	663				0	663
S38	Targeted Safety Improvement Program			2011	2016		3,250			3,250	3,250
S40	NE 124th Street at 162nd Place NE Intersection Improvements	NE 124th Street	162nd Place NE	2014	2015	3,693				0	3,693
S41	166th Avenue NE Rechannelization	NE 85th Street	NE 100th Street	2014	2015	293	35			35	328

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								roject Funding ollars in Thous		Total	
	Street or Project	From	То	Proj Start	Proj End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *
S42	NE 90th Street at 151st Avenue NE Traffic Signal	NE 90th Street	151st Avenue NE	2015	2016	750				0	750
S44	NE 76th St and 185th Ave NE Traffic Signal	NE 76th Street	185th Avenue NE	2012	2013		613			613	613
S46	Street Signage Upgrades to Meet New Standards			2014	2015	1,206				0	1,206
S47	NE 51st Street at 150th Avenue NE Traffic Signal	NE 51st Street	150th Avenue NE	2013	2014		965			965	965
	TRANSIT AND HOV									8,317	14,922
T12	Shuttle & Transit Service Program			2011	2016	2,518	567			567 567	3,08
	TRANSPORTATION DEMAND MANAGE	MENT								307	3,000
M1	Redmond Trip Reduction Incentive Program (R-TRIP)			2011	2016	7,608	1,200			1,200	8,808
M6	Parking Management Demonstration Program			2011	2016	489	221			221	710
M7	Transportation Management Programs (TMP's), Administration and Maintenance			2011	2016	165				0	165
M13	Citywide Commute Trip Reduction (CTR) Program			2011	2016	670			50	50	720
M14	Growth and Transportation Efficiency Center Implementation			2011	2016	1,500				0	1,500
M15	Demand Management Capital Improvements			2011	2016	510	510			510	1,020
					TOTAL	246,486	93,394	2,602	302	1,981 96,298	12,923 342,78 ⁴
						240,400	00,004	2,002	002	30,230	042,70

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PROPOSED 11-16

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BIKES AND PEDESTRIANS

B1 <u>Bicycle Facilities Improvement Program</u>

Improve and complete the City's bicycle plan in accordance with the plan and priorities in the TMP. This program provides new bike connections, improves transit access by bike and enhances energy efficiency.

B2 Sidewalk Improvement Program

Complete the missing links in the sidewalk system in accordance with the TMP to provide new pedestrian connections in and between neighborhoods, improve transit access, improve pedestrian safety and enhance an energy efficient transportation alternative to driving.

B10 Puget Sound Energy Trail

Construct permanent trail that links Redmond-Woodinville Road with the Sammamish River Trail and pedestrian bridge over Sammamish River. Trail grade would be reduced and would include a paved and soft surface trail.

B19 Puget Sound Energy Trail, Rose Hill Extension

Extend paved Puget Sound Energy Trail from its terminus west of Willows Road to NE 93rd Ct, which connects to 132nd Ave NE.

B23 Redmond Way Sidewalk

Construct new 5' sidewalk on one side of Redmond Way from 142nd Ave NE to 145th Ave NE. Preference is for construction on north side of street because it will provide a more contiguous sidewalk network.

B27 Neighborhood Connections

Provide new connections in the form of paths, trails and sidewalks and improve the mapping and signage of existing connections to improve nonmotorized connectivity within and between neighborhoods. These connections will be funded from existing programs and projects.

*These projects are typically funded by the Sidewalk Program.

B30 Willows Creek Trail

Construct paved trail connecting the end of 142nd Ave NE, adjacent Willows Creek Park and surrounding neighborhood to the Puget Sound Energy Trail using existing trail easement. A portion of the trail would be constructed on an elevated walkway over Willows Creek.

B31 Bear Creek Trail Connector, Redmond Town Center to Marymoor Park

Construct paved multi-use trail that would cross over Bear Creek on a new bridge and pass under SR 520 on the east side of the Sammamish River connecting Downtown Redmond neighborhood directly to Marymoor Park.

B34 Sidewalk on Willows Rd from NE 117th St to NE 118th St

Extend existing sidewalk north to additional employment area by constructing a new section of sidewalk on Willows Rd from NE 117th St to NE 118th St. This will improve pedestrian and transit access by providing access to existing sidewalk and the traffic signal at NE 116th St to facilitate improved crossings.

B35 Sidewalk on 185th Ave NE from NE 67th St to NE 68th St

Construct a new sidewalk on 185th Ave NE from 67th St to NE 68th St to improve pedestrian and transit access to businesses in the area.

B36 Redmond Central Connector (BNSF) Trail

Design and construct 1.1 miles of 12 foot hard-surfaced trail along the former BNSF railroad corridor. The project will have ten side trail and street connections in downtown Redmond and will be designed based on the results of the Redmond Central Connector Master Plan.

B37 <u>520 Trail Grade-Separation at NE 40th St</u>

Grade separate 520 Trail at NE 40th St to improve bicycle and pedestrian access along the 520 Trail, reduce conflicts between vehicles and nonmotorized users and improve vehicle operations at the intersection.

MAJOR STREET

MAJOR STREET

C8 <u>185th Avenue NE Extension</u>

This roadway improvement will complete the 185th Avenue NE corridor between Redmond Way (SR 202) and Union Hill Road.

C16 160th Avenue NE Extension

Construct new 160th Ave NE from current terminus at approximately NE 99th St north to the street in the Redmond 74 Development. Project would modify existing 160th arterial from NE 90th St north to current terminus and again from terminus to Red-Wood Rd. Improvements include 1 through lane in each direction, left turn lanes, bike lanes, curb, gutter, sidewalks, street lights, storm drainage, right of way and easement acquisition.

C18 NE 116th Street Widening

Based on the design report for this section of roadway, construct the portions of this roadway not completed by the subdivision developers or the fire station project. Project also includes construction of a roundabout at 172nd Ave NE.

C27 148th Ave NE Multi-use Path over SR 520

Modify channelization and signals, and provide wide multi-use trail that is separated from the roadway on the east side of 148th Ave NE to provide a better nonmotorized connection across SR 520.

C39 164th Avenue NE Extension

Construct new 164th Ave NE from NE 76th St to Cleveland St. Improvements include 1 through lane in each direction, bike lanes, parking, sidewalks, street lights, and storm drainage.

C43 <u>Union Hill Road Widening, Phase 3</u>

This project constructs a five-lane roadway section including bike lanes and sidewalks between 188th Ave. NE and the east city limits. It is the final phase of the project and will fix bottleneck being created by Union Rd Widening being done as part of the 196th Ave NE Extension project.

C44 Redmond Way & 140th Ave NE Intersection Widening

Convert northbound lanes to one left turn lane and one left, through, right turn lane and add bike lane.

C45 Bellevue-Redmond Rd & 156th Ave NE Intersection Widening

Construct a southbound right-turn lane. Construction planned to begin after the construction of at least 1,400,000 net new gross square feet on the Main campus, or sooner at Microsoft's option.

C46 NE 51st St & 148th Ave NE Intersection Improvements

Improve traffic flow through intersection modifications and widening as part of redevelopment.

C47 NE 31st St and 156th Ave NE Intersection Widening

Construction additional westbound left-turn lane. Beginning of construction planned to coincide with the earlier of the internal Main Campus realignment of 157th Ave NE between NE 31st St and 159th Ave NE, or concurrent with the construction of 1,000,000 new gross square feet on the Main Campus.

C48 <u>Bellevue-Redmond Rd and West Lake Sammamish Parkway Roundabou</u>t

Project includes removing exiting traffic signal at Bel-Red Road and West Lake Sammamish intersection. Install 2-lane roundabout at Bell-Red Road, West Lake Sammamish intersection and improve pedestrian facilities.

C49 West Lake Sammamish Parkway NE Widening

Project includes intersection widening at NE 51st St. to increase capacity. The intersection widening project is a BROTS project. The cross section of West Lake Sammamish Parkway between the two intersections will be evaluated to determine the short-term and long-term needs to increase the through lanes from one lane in each direction to two lanes in each direction. Left turn lanes will be provided where necessary and improvements will be made to bicycle and pedestrian facilities, including extending the multi-use path on the east side of West Lake Sammamish Parkway.

MAJOR STREET

C50 NE 76th Street Extension

Construct new NE 76th St from 185th Ave NE to 188th Ave NE. Improvements include 1 through lane in each direction, left turn lanes, bike lanes, sidewalks, street lights, traffic control, storm drainage, right-of-way and easements.

C51 NE 73rd Street Extension

Construct new NE 73rd St for neighborhood access and circulation from 185th Ave NE to 188th Ave NE. Improvements include 1 through lane in each direction, left turn lanes, sidewalks, streets lights, traffic control, storm drainage, right-of-way and easements.

C52 <u>188th Ave NE Extension</u>

Construct new 188th Ave NE arterial from NE 68th St to Union Hill Rd. Improvements include 1 through lane in each direction, left turn lanes, bike lanes, curb, gutter, sidewalks, street lights, storm drainage, right-of-way and easement acquisition.

C53 Redmond Way and Cleveland Street Corridor Improvements

Convert Redmond Way from 160th Ave NE to Avondale Way to 1 through lane in each direction and center turn lane with west end having two westbound starting at 161st Ave NE and east end having two eastbound lanes starting at 168th Ave NE. Convert Cleveland St to 1 through lane in each direction. A realignment of the streets at eastern and western ends will improve traffic flow and include gateway treatments. Pedestrian improvements will be constructed on Redmond Way.

C54 148th Avenue NE Improvements

Create third northbound through lane on 148th Ave NE from NE 22nd St to SR 520 westbound on-ramp using primarily existing right turn lanes and modify SR 520 westbound on-ramp to allow HOV access. At NE 24th St and 148th Ave NE intersection add second left turn lane on the eastbound and westbound approaches, add right turn lane on northbound approach, and extend right turn lane on westbound approach.

C56 Overlake Access Ramp

Construct eastbound access ramp from SR 520 to 152nd Ave NE at 148th Ave NE Interchange. Ramp would diverge from eastbound 148th Ave NE off-ramp, be grade-separated from 148th Ave NE and connect with 152nd Ave NE at roughly NE 29th St. The ramp would include 1 general purpose lane, and auxiliary lanes and HOV/Transit treatments as applicable.

C57 <u>152nd Avenue NE Improvements, Phase 1</u>

The 152nd Ave NE Corridor Study will determine a final cross section for 152nd Ave NE corridor as well as 151st Ave NE. The 152nd Ave NE cross section will include one through lane in each direction, turn lanes, bike lanes, on-street parking, sidewalks and additional pedestrian amenities. In addition the corridor study is proposing east-west connecting streets to complete a grid system for enhanced mobility including transit access to all modes.

C58 <u>Cleveland Street Streetscape</u>

In advance of the conversion of Redmond Way/Cleveland St Couplet Conversion back to two-way operation construct curb extensions, wide sidewalks, pedestrian amenities and gateway treatments. The project will focus on the area between 161st Ave NE and 164th Ave NE.

C59 NE 40th Street Improvements, Phase 1

Improve NE 40th Street for non-motorized modes by a combination of techniques, including modifications to curb returns and restriping the roadway with narrower lanes.

C60 NE 40th Street Improvements, Phase 2

Improve NE 40th Street for non-motorized modes by a combination of techniques, including leading pedestrian intervals, pedestrian warning signs, modifications to curb returns and restriping the roadway with narrower lanes.

PLANNING

PLANNING

L5 <u>Transportation Master Plan Update</u>

The Transportation Master Plan (TMP) which was adopted in 2004 included a planned update in 2010. With the completion of the Three-Year Action Plan the focus will turn towards data collection for the five year tracking measures included in the TMP, evaluation of the implementation of the 2004 TMP and the TMP update in coordination with the update of the Redmond Comprehensive Plan update.

L8 <u>148th Avenue NE Corridor Master Plan</u>

In a partnership with the City of Bellevue develop a corridor master plan for 148th Ave NE. The corridor master plan will complete a preliminary design for the corridor, which will add vehicle capacity to accommodate anticipated future growth in the corridor. The corridor master plan would include sidewalk and landscaping improvements; low impact development techniques, including ways to accommodate stormwater; and take into consideration existing and planned land uses along the corridor. It would also be developed in coordination with Sound Transit's future light rail alignment.

L9 Sound Transit East Link

Sound Transit is rapidly designing East Link light rail into Overlake and then into Downtown. This effort requires substantial City attention to Sound Transit's design to achieve a light rail system that is consistent with Redmond's interests. Consultants and City staff will focus on: station access (e.g. pedestrian and bike facilities, additional street and access connections, and transit), station design, how the system will fit with future development, and efforts to extend light rail to Downtown Redmond.

L10 160th Avenue NE Extension Preliminary Design

Perform conceptual engineering, multimodal transportation analysis, community involvement and prepare environmental checklist in order to update the preliminary design for the project.

L11 SR 520 Corridor Planning Study

City of Redmond will partner with WSDOT and other stakeholders to establish a preliminary design for the SR 520 corridor from I-405 in Bellevue to the freeway terminus area in Redmond where the freeway integrates with major local arterials and SR 202. Using the latest employment and population forecasts and context sensitive solutions, the Corridor Planning Study (CPS) will address multimodal mobility deficiencies and operational impacts including SOV, HOV, transit, bike, and pedestrians. The CPS will determine the ultimate footprint, project phasing and operation of multimodal corridor improvements. The total cost of the CPS is estimated at \$1,000,000.

PRESERVATION

P1 Pavement Management Program

Addresses routine pavement needs, including an annual inventory, outreach, street overlays, and major maintenance for the 130 + miles of pavement throughout the City. Rehabilitation of principal arterials is addressed through specific project allocations.

P2 <u>Bridge Repair Program</u>

Annual inspection and minor maintenance required to keep the city's bridges operating without disruptions.

P6 <u>Avondale Road Bridge Rehabilitation at Bear Creek</u>

The yearly inspection of this bridge in conjunction with the bridge inventory process determines the need for bridge repair. The bridge will eventually need pile reinforcement and bank stabilization.

P10 West Lake Sammamish Parkway Rehabilitation

Reconstruct portions of roadway and provide overlay. Make drainage improvements where needed and provide non-motorized facilities where feasible within the scope of the project. Project will be coordinated with planned improvements by City of Bellevue.

PRESERVATION

P12 NE 95th Street Bridge Replacement

The NE 95th Street Bridge over Bear Creek is a 20 foot span wooden bridge that needs to be replaced because of deteriorating wood and the short span is constricting a major salmon stream and does not meet State Requirements. The replacement will be a 40 foot span concrete structure.

P13 Redmond Way Overlay Phase 1

This project repairs fatigued pavement areas, includes a two inch thick HMA overlay, and the replacement of all channelization and signal loops on Redmond Way from 132nd Avenue NE to Bear Creek Parkway.

P14 Redmond Way Overlay Phase 2

This project repairs fatigued pavement areas, includes a two inch thick asphalt overlay, and the replacement of all channelization and signal loops on Redmond Way and Cleveland Street from Bear Creek Parkway to 164th Avenue NE. This work may be done in conjunction with other resurfacing work as part of the Couplet Conversion.

P15 Willows Road Rehabilitation

This project repairs fatigued pavement areas, includes a two inch thick HMA overlay, and the replacement of all channelization and signal loops on Willows Road from NE 90th Street to NE 124th Street. In addition, examine restriping existing roadway to improve efficiency.

SAFETY AND SYSTEM MANAGEMENT

S1 Neighborhood Traffic Calming Program

Annual investment to improve safety in residential areas through community meetings, enforcement, and physical devices (i.e. speed humps) to address issues of excessive speeding, high volumes, and concerns for children and pedestrians.

S2 <u>Channelization Improvement Program</u>

Upgrading and replacing existing markings, and adding new markings at intersections using long lasting materials to improve safety and durability.

S4 <u>Engineering Contingency Program</u>

Provides funding for miscellaneous engineering and construction tasks at various sites to ensure the City is prepared for emergency situations and can maintain system efficiency.

S5 <u>Street Lighting Improvement Program</u>

Improve street lighting throughout the City to maintain a safe nighttime environment for walking, biking, and driving.

S7 <u>Utility Undergrounding Program</u>

Helps implement a code requirement to underground selected overhead utilities, such as power, telephone, and television cable to improve reliability and aesthetics of utilities.

S29 <u>Transportation Concurrency Management Program</u>

Ensures that data and analysis tools are up-to-date and coordinated with regional partners to reduce cost and increase efficiency.

S34 164th Avenue NE Rechannelization

Rechannelize street to one through lane in each direction, two-way left-turn lane, and bike lanes.

S38 Targeted Safety Improvement Program

Annual construction of improvements to ensure the highest priority safety needs are regularly met for all travel choices.

S40 NE 124th Street at 162nd Place NE Intersection Improvements

Install traffic signal and add left turn lanes on 124th Ave NE at 162nd PI NE.

S41 <u>166th Avenue NE Rechannelization</u>

Rechannelize to a cross section that includes 1 through lane in each direction, a center two-way left-turn lane and bike lanes.

SAFETY AND SYSTEM MANAGEMENT

S42 NE 90th Street at 151st Avenue NE Traffic Signal

Install traffic signal at NE 90th Street and 151st Avenue NE.

S44 NE 76th St and 185th Ave NE Traffic Signal

Install new traffic signal at intersection of NE 76th St and 185th Ave NE.

S46 Street Signage Upgrades to Meet New Standards

The Federal Government adopted a new version of the MUTCD in 2009, which requires public agencies in the United States to upgrade all of their street name signs to a larger sign and font size. WSDOT is required to update standards and requirements per the Manual on Uniform Traffic Control Devices (MUTCD). The specific size of sign and font will be decided over the next two years, defining the level of investment required by the City.

S47 <u>NE 51st Street at 150th Avenue NE Traffic Signal</u>

Install traffic signal at the intersection of NE 51st St and 150th Ave NE.

TRANSIT AND HOV

T12 Shuttle & Transit Service Program

Expand local and transit shuttle service, extending to areas outside Willows and SE Redmond, with an emphasis on Overlake. Continue to work with King County Metro to identify potential new routes and partnership opportunities to add new service.

TRANSPORTATION DEMAND MANAGEMENT

M1 Redmond Trip Reduction Incentive Program (R-TRIP)

The Redmond Trip Reduction Incentive Program (R-TRIP) provides grant funding and staff assistance to Redmond businesses to implement or enhance employee commute trip reduction programs. Direct to commuter incentives, small business assistance, employee recognition, residential programs, and new TDM initiatives are included.

M6 Parking Management Demonstration Program

The Parking Management Demonstration Program is intended to demonstrate various parking management and monitoring programs and to form parking partnerships to better manage parking supply. Downtown and Overlake are the emphasis areas.

M7 Transportation Management Programs (TMP's), Administration and Maintenance

Provide annual program review and notifications, and negotiate updates to development required TMP's when initiated by building owner.

M13 <u>Citywide Commute Trip Reduction (CTR) Program</u>

Administers and implements the Citywide commute trip reduction (CTR) program (state mandate)

M14 Growth and Transportation Efficiency Center Implementation

Implements Growth and Transportation Efficiency Center (G-TEC) program as an enhancement to CTR and R-TRIP(M1 and M13) that leverages additional State and local funding to provide enhanced commute trip reduction infrastructure, marketing and implementation support and increased incentives for reducing commute trips and improving alternative transportation and mobility in urban centers.

M15 Demand Management Capital Improvements

This project provides funding for capital-oriented projects and programs that support TDM goals and are located within the public right-of-way. It also provides opportunities for seedfunding to employers in Redmond to partner with local and regional transit agencies to provide new or enhanced infrastructure to support transit and alternative mode use, as well as for the "myR-TRIP" online commute management system. Transit shelters, concrete pads, benches, drinking fountains, lighting, crossing aids, commute management system, and other amenities like off-street parking options that support transit and other alternative mode use could be eligible for funding.