# CITY OF REDMOND RESOLUTION NO. 1393

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON, ADOPTING A SIX-YEAR TRANSPORTATION IMPROVEMENT PROGRAM FOR THE YEARS 2014-2019 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 the current and future City transportation 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 (2014-2019, inclusive), a copy of which is attached hereto as Exhibit 1 and incorporated herein by this reference as if fully set forth, which Program sets forth the project location, type of improvement, and estimated cost thereof, is hereby adopted and approved.

Section 2. Filing of Program. Pursuant to Chapter 35.77 RCW, staff 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 of the Transportation Improvement Board for the State of Washington.

ADOPTED by the Redmond City Council this 1st day of October, 2013.

APPROVED:

JOHN MARCHIONE, MAYOR

ATTEST:

(SEAL)

FILED WITH THE CITY CLERK: September 24, 2013 PASSED BY THE CITY COUNCIL: October 1, 2013

EFFECTIVE DATE: RESOLUTION NO. 1393 October 1, 2013

YES: Allen, Carson, Flynn, Margeson, Myers, Stilin, and Vache

# **EXHIBIT 1**

# City of Redmond

PROPOSED 14-19

# Six-Year Transportation Improvement Program

Project List

	Street or Project				n:			Six-Year P (All C	Total		
		From To	Proj Start	Proj End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *	
	DOWNTOWN URBAN CENTER										
843	Cleveland Street East	164th Ave	Avondale Way	2016	2017	1,500				0	1,500
844	Gilman Street to Central Connector Completion	Cleveland Street	Central Connector	2017	2017	100				0	100
C53	Redmond Way and Cleveland Street Couplet Conversion	160th Avenue NE	170th Avenue NE	2014	2016		12,404	5,000		17,404	17,404
C58	Cleveland Streetscape	160th Ave NE	164th Ave NE	2014	2014		4,175	3,372		7,547	7,547
M16	Redmond Central Connector Parking Lot	Leary Way	Bear Creek Parkway	2013	2013		733			733	733
P14	Redmond Way Overlay Phase 2	Bear Creek Parkway	164th Ave NE	2015	2016	430		,	70	70	500
								·		25,754	27,78
	OVERLAKE URBAN CENTER										
B37	520 Trail Grade-Separation at NE 40th St	520 Bike Trail	520 Bike Trail	2018	2019	3,150	2,100			2,100	5,250
B40	Overlake Village Bicycle-Pedestrian Bridge	2800 Block	31st Street	2014	2019	9,118	1,275	1,607		2,882	12,000
B41	Overlake Transit Center Bicycle-Pedestrian Bridge	Overlake Transit Center	3800 Block	2019	2019		28,000			28,000	28,00
C45	Bellevue-Redmond Rd & 156th Ave NE Intersection Widening	Bellevue-Redmond Rd	156th Ave	2016	2017		2,400			2,400	2,400
C46	NE 51st St & 148th Ave NE Intersection Improvements	51st Street	148th Ave	2016	2017		1,000			1,000	1,00
C47	NE 31st St Improvements	152nd Avenue	156th Avenue	2016	2017	2,600	400			400	3,00
C48	West Lake Sammamish Parkway Widening & Roundabout Phase 3 (Part 1)	Bellevue-Redmond Rd	West Lake Sammamish Parkway	2018	2019	9,000				0	9,00
C56	Overlake Access Ramp	SR 520	150th Avenue NE	2014	2018	32,660	340		1,500	1,840	34,50
C57	152nd Avenue NE Improvements	NE 24th Street	Ne 31st Street	2015	2018	14,000	7.100			7,100	21,10
C59	NE 40th Street Rechannelization	SR 520	Bel-Red Rd	2017	2018	1,400				0	1,40
C60	NE 40th Street Reconstruction	156th Ave NE	163rd Ave NE	2018	2019	3,200				0	3,20
C61	27th Street/28th Street	152nd Avenue	156th Avenue	2014	2015		14,300	-		14,300	14,30

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<sup>\*</sup>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.

#### PROPOSED 14-19

# Six-Year Transportation Improvement Program

Project List

	Street or Project				Proj	Proj	Six-Year Project Funding Information (All Dollars in Thousands)						
_		From To	То	Start	End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *		
C62	Overlake Access Ramp Local Connection	Overlake Access Ramp roundabout terminus	152nd Avenue	2017	2019	18,600	50 1 100 100 100 100 100 100 100 100 100			0	18,60		
L8	148th Avenue NE Corridor Master Plan	Bellevue-Redmond Road	SR 520 Interchange	2015	2017	500				0	50		
P16	156 Avenue NE Street Preservation Overlay	28th Street	51st Street	2014	2014		539	539		1,078	1,07		
P18	148th Avenue Rehabilitation	SR 520	Redmond Way	2019	2019	3,000				0	3,00		
S47	NE 51st Street at 150th Avenue NE Traffic Signal	NE 51st Street	150th Avenue NE	2016	2016		700			700	70		
										61,800	159,02		
	PLANNING AND PROGRAMS												
81	Bicycle Facilities Improvement Program			2014	2019		2,700			2,700	2,70		
B2	Sidewalk Improvement Program			2014	2019		8,400			8,400	8,40		
L9	Sound Transit East Link			2014	2014		100			100	10		
M1	Redmond Trip Resource and Incentive Program (R-TRIP)			2014	2019	1,738	4,280			4,280	6,01		
M6	Parking Management Program			2014	2019		750			750	75		
M7	Transportation Management Programs (TMP's), Administration and Maintenance		***************************************	2014	2019	85	425			425	51		
M13	Citywide Commute Trip Reduction (CTR) Program			2014	2019				583	583	58		
<b>M</b> 14	Growth and Transportation Efficiency Center Implementation			2014	2019	1,260	180			180	1,44		
P1	Pavement Management Program			2014	2019		8,100			8,100	8,10		
P2	Bridge Repair Program			2014	2019		450			450	45		
S1	Neighborhood Traffic Calming Program			2014	2019		900			900	90		
S2	Channelization Improvement Program			. 2014	2019		450			450	45		
S4	Engineering Contingency Program			2014	2019		600			600	60		
<b>\$</b> 5	Street Lighting Improvement Program			2014	2019		300	Ī		300	30		
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Two, the project is planned for the later years of the TIP and will not be completed by final year in the TIP.

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PROPOSED 14-19

# Six-Year Transportation Improvement Program

Project List

	Street or Project				Dani				Total		
		From To	То	Proj Start	Proj End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost *
S7	Utility Undergrounding Program			2014	2019		300			300	30
S29	Transportation Concurrency Management Program			2014	2019		600			600	60
S38	Targeted Safety Improvement Program			2014	2019		2,700			2,700	2.70
T12	Transit Service Program			2014	2019	1,025	175			175	1,20
										31,993	36,10
	REDMOND NEIGHBORHOODS										ĺ
B19	Puget Sound Energy Trail, Rose Hill Extension	132nd Avenue NE	Willows Road	2019	2019	1,250				0	1,25
B23	Redmond Way Sidewalk	142nd Avenue NE	148th Avenue NE	2014	2015	420	1,400			1,400	1,82
B38	Redmond Central Connector Phase 2	Sammamish River Trestle	NE 100th Street	2014	2015		1,000		2,300	3,300	3,30
B42	Redmond Central Connector Phase 3	100th Street	124th Street	2019	2019	1,950				0	1,95
845	Red-Wood Road Sidewalk	NE 109th Street	10800 Block	2016	2016	605		-		0	60
B46	134th Avenue NE Sidewalk	NE 75th Street	NE 80th Street	2015	2015	400	100			100	50
C18	116th Street Widening	Red-Wood Road	167th Place	2019	2019	1,500				0	1,50
C43	Union Hill Road Widening, Phase 3	188th Avenue NE	East City Limits	2014	2015		1,200		3,183	4,383	4,38
C44	Redmond Way & 140th Ave NE Intersection Widening	Redmond Way	140th Ave	2016	2017		1,950			1,950	1,95
C51	NE 73rd Street Extension	185th Ave NE	188th Ave NE	2018	2019		10,250			10,250	10,25
P6	Avondale Road Bridge Rehabilitation at Bear Creek	Avondale Road	Bear Creek	2017	2017		100			100	10
P12	NE 95th Street Bridge Replacement	Bear Creek	Bear Creek	2017	2017		330			330	33
P15	Willows Road Rehabilitation	NE 90th Street	NE 124th Street	2019	2019	2,000				0	2,00
P17	148th Avenue NE Bridge Seismic Retrofit	148th Avenue	8600 Block	2014	2015		·	2,038		2.038	2,03
P19	Avondale Road Rehabilitation	Union Hill Road	116th Street	2019	2019	2,000				0	2,00
S40	NE 124th Street at 162nd Place NE Intersection Improvements	NE 124th Street	162nd Place NE	2019	2019	625	275			275	90
S41	166th Avenue NE Rechannelization	NE 85th Street	NE 100th Street	2014	2015		850			850	85

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#### PROPOSED 14-19

# Six-Year Transportation Improvement Program

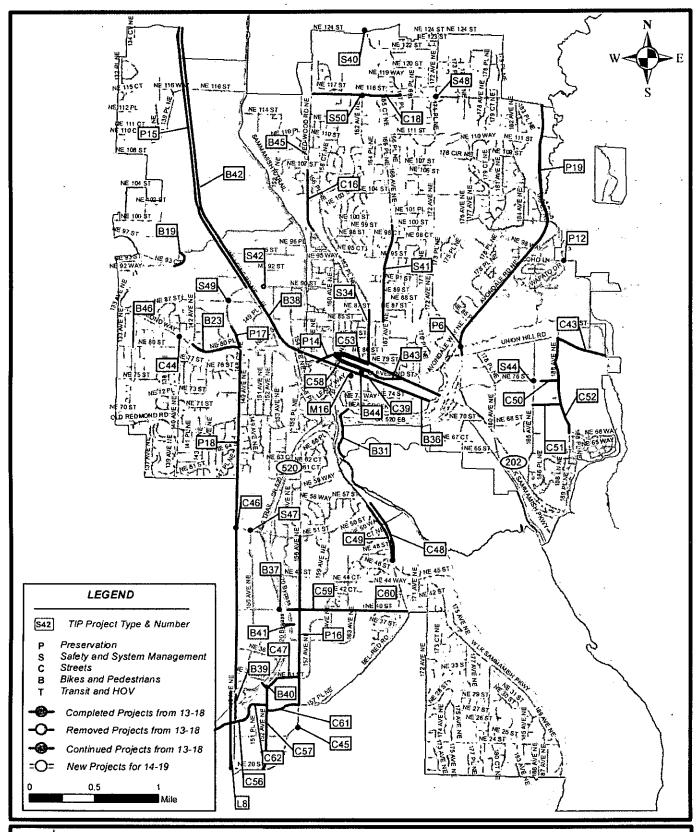
Project List

	ect From		Proj	Proj		Six-Year Project Funding Information (All Dollars in Thousands)				Total
Street or Project		То	Start	End	Un Funded	Local Funding	Federal Funding	State Funding	Total Funding	Project Cost
NE 76th St and 185th Ave NE ntersection Improvements	NE 76th Street	185th Avenue NE	2015	2016		650			650	65
16th Street and 172nd Avenue Roundabout	NE 116th Street	172nd Avenue NE	2014	2015		6,500			6,500	6,50
37th Street and 148th Avenue Pedestrian mprovements	87th Street	148th Avenue	2013	2013		100			100	10
16th Street and 162nd Avenue Roundabout	116th Street	162nd Avenue	2014	2015		6,000			6,000	6,00
									38,226	48,97
			ŀ	TOTAL	114,116	137,581	12,556	7,636	157,773	271,88
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R	ntersection Improvements  16th Street and 172nd Avenue Roundabout  17th Street and 148th Avenue Pedestrian Improvements  16th Street and 162nd Avenue	ntersection Improvements  16th Street and 172nd Avenue Roundabout  17th Street and 148th Avenue Pedestrian Improvements  16th Street and 162nd Avenue  116th Street  116th Street	Intersection Improvements  Intersection Intersection Improvements  Intersec	Intersection Improvements  16th Street and 172nd Avenue Roundabout  NE 116th Street 172nd Avenue NE 2014  Roundabout  87th Street and 148th Avenue Pedestrian mprovements  16th Street and 162nd Avenue 116th Street 162nd Avenue 2014	Intersection Improvements  16th Street and 172nd Avenue Roundabout  NE 116th Street  NE 116th Street  172nd Avenue NE  2014  2015  2015  2017  2017  2018  2019  2	NE 76th St and 185th Ave NE ntersection Improvements  16th Street and 172nd Avenue NE 116th Street 172nd Avenue NE 2014 2015 Roundabout	NE 76th Street and 185th Avenue NE NE 76th Street NE 116th Street	NE 76th Street and 185th Avenue NE  16th Street and 172nd Avenue Roundabout  NE 116th Street  172nd Avenue NE  2015  2016  650  NE 116th Street  172nd Avenue NE  2014  2015  6,500  2016  6,500  2017 Avenue Pedestrian  2017 Avenue Pedestrian  2018  2019	NE 76th Street and 185th Avenue NE   NE 76th Street   185th Avenue NE   2015   2016   650	NE 76th Street and 185th Ave NE   NE 76th Street   185th Avenue NE   2015   2016   650   650   650

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# ATTACHMENT B





Draft 2014-2019 TIP Update Map

August 30, 2013

2014-2019 Transportation Improvement Program

# ATTACHMENT C

# **TIP - Project Descriptions**

#### DOWNTOWN URBAN CENTER

#### B43 Cleveland Street East

Enhance pedestrian facilities to complete buildout of Cleveland Street for two-way operation.

#### B44 Gilman Street to Central Connector Completion

Connect the existing terminus of Gilman Street to the Central Connector for bicycles and pedestrians

#### C53 Redmond Way and Cleveland Street Couplet Conversion

Convert Redmond Way from 160th Ave NE to Avondale Way to 1 through lane in each direction and center turn lane. 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. A BAT lane will be completed from the Bear Creek Bridge near SR 520 to 168th Ave with a queue jump at Avondale Way.

# C58 Cleveland Streetscape

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.

# M16 Redmond Central Connector Parking Lot

Shared parking facility for the Downtown neighborhood, at the intersection of Bear Creek Parkway and Leary Way. Implemented in coordination with the Redmond Central Connector to support the transportation system and enable users to park once and walk multiple destinations in Downtown.

# 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.

#### **OVERLAKE URBAN CENTER**

# 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.

# B40 Overlake Village Bicycle-Pedestrian Bridge

Design and construct a new bicycle and pedestrian bridge over SR 520 locating the southern landing at the East Link Light Rail Overlake Village Station and Overlake Regional Growth Center with the north landing in the vicinity of the SR 520 Regional Trail and NE 31st Street.

# B41 Overlake Transit Center Bicycle-Pedestrian Bridge

Design and construct a new bicycle and pedestrian bridge over SR 520 locating the eastern landing at the Overlake Transit Center with the west landing in the vicinity of the SR 520 Regional Trail and the 3800 block.

# 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. Improvements could also be triggered by the Group Health development.

#### 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 Improvements

Improve 31st Street between 152nd Avenue and 156th Avenue, including the addition of green bicycle lanes. Construction additional westbound left-turn lane at the intersection with 156th Avenue.

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# TIP - Project Descriptions .

#### **OVERLAKE URBAN CENTER**

# C48 West Lake Sammamish Parkway Widening & Roundabout Phase 3 (Part 1)

Project includes removing exiting traffic signal at Bel-Red Road and West Lake Sammamish intersection. Install 2-lane roundabout at Bel-Red Road and West Lake Sammamish intersection and improve pedestrian facilities. Extend Sammamish River Trail from existing terminus at 51st Street down to the intersection of Bel-Red Road and West Lake Sammamish Parkway.

# C56 Overlake Access Ramp

Construct eastbound access ramp from SR 520 to roundabout terminus at 150th Ave NE. Ramp would diverge from eastbound 148th Ave NE off-ramp, be grade-separated from 148th Ave NE and connect with City streets at 150th Ave NE. The ramp would include 1 general purpose lane, and auxiliary lanes and HOV/Transit treatments as applicable.

### C57 <u>152nd Avenue NE Improvements</u>

152nd Ave NE will include one through lane in each direction, turn lanes, cycle tracks, on-street parking, sidewalks and additional pedestrian amenities, per the Overlake Village Street Design Guidelines. Developers will complete the improvements as required through frontage improvements and development agreements. The Group Health Development Agreement requires completion of improvements on 152nd Ave NE along Group Health's frontage.

### C59 NE 40th Street Rechannelization

Between 520 to 156th Avenue NE and 163rd Avenue NE and Bel-Red Road, resize vehicular lane width to 10 feet and add a 5 foot bike lane in the westbound direction. Improvements include sidewalks in both directions, a 5 foot bike lane in the westbound direction, one 10 foot vehicular lane in both directions, an 11 foot turn lane, streetscape, stormwater treatments, street lights, and utilities.

# C60 NE 40th Street Reconstruction

Add bike lanes on both sides. Improvements include two vehicular lanes in each direction, one turn lane, bike lanes and sidewalks on both sides, streetscape including gateway wayfinding and art elements, stormwater treatment, utilities, street lights, right-of-way and easement acquisition.

# C61 27th Street/28th Street

Construct a new east west street between 152nd Avenue NE and 156th Avenue NE with a 3-lane public roadway (narrowing to 2 lanes adjacent to the future park) with parking and bike lanes along both sides of the street.

### C62 Overlake Access Ramp Local Connection

Construct local street connections from the roundabout terminus of the Overlake Access Ramp to 152nd Avenue via the proposed 26th Street alignment and the proposed 28th Street alignment.

#### L8 148th Avenue NE Corridor Master Plan

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.

# P16 156 Avenue NE Street Preservation Overlay

Preliminary Engineering / Design, and Construction: Overlay pavement (spot repairs, adjust utility lids, signal loops, channelization, ADA upgrades).

# P18 <u>148th Avenue Rehabilitation</u>

Repair and overlay roadway. Replace pavement markings and signal lopps and install ADA compliant curb ramps.

# S47 NE 51st Street at 150th Avenue NE Traffic Signal

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

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# **TIP - Project Descriptions**

#### PLANNING AND PROGRAMS

#### B1 Bicycle Facilities Improvement Program

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 <u>Sidewalk Improvement Program</u>

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.

# 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, transit oriented development feasibility, how the system will fit with future development, and efforts to extend light rail to Downtown Redmond.

### M1 Redmond Trip Resource and Incentive Program (R-TRIP)

The Redmond Trip Resource and 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 Program

The Parking Management Program implements various parking management and monitoring programs and forms 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 Citywide Commute Trip Reduction (CTR) Program

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.

# 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 Bridge Repair Program

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

## 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 Channelization Improvement Program

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

# S4 Engineering Contingency Program

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.

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# **TIP - Project Descriptions**

#### PLANNING AND PROGRAMS

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 Utility Undergrounding Program

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 Transportation Concurrency Management Program

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

S38 Targeted Safety Improvement Program

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

T12 <u>Transit Service Program</u>

Expand local transit 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.

#### REDMOND NEIGHBORHOODS

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 sidewalk on north side of Redmond Way from 142nd Ave NE to 148th Ave NE.

B38 Redmond Central Connector Phase 2

Extend the Redmond Central Connector to 100th Street. Rebuild or replace the old rail trestle over the Sammamish River to meet current standards.

B42 Redmond Central Connector Phase 3

Complete the third phase of the Redmond Central Connector paved shared-use path up to 124th Street.

B45 Red-Wood Road Sidewalk

Construct sidewalk (may need to be cantilevered) on the west side of Red-Wood Road from NE 109th Street to existing sidewalk at approximately 10800 Block.

B46 <u>134th Avenue NE Sidewalk</u>

Construct sidewalk on 134th Avenue NE between NE 75th Street and NE 80th Street.

C18 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.

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.

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.

P6 Avondale Road Bridge Rehabilitation at Bear Creek

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.

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# **TIP - Project Descriptions**

#### REDMOND NEIGHBORHOODS

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.

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.

P17 148th Avenue NE Bridge Seismic Retrofit

Seismically retrofit the structure of the 148th Avenue NE Bridge (Bridge No. 70) to reduce the risk of bridge collapse from earthquakes.

P19 Avondale Road Rehabilitation

Reconstruct/overlay the roadway. Replace channelization and signal looks. Examine pavement markings for improved efficiency and safety.

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 166th Avenue NE Rechannelization

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

S44 NE 76th St and 185th Ave NE Intersection Improvements

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

S48 116th Street and 172nd Avenue Roundabout

Construct roundabout to improve safety and access. Complete trail, sidewalk, bicycle lanes, and utility improvements from 167th Avenue to 174th Avenue

S49 87th Street and 148th Avenue Pedestrian Improvements

Install intersection improvements that facilitate safe crossing of 148th Avenue for pedestrians and bicycles.

S50 116th Street and 162nd Avenue Roundabout

Construct a roundabout at 162nd Avenue per developer requirements. Improvements include bicycle lanes and sidewalks (including completion on north side of 116th Street from 159th Avenue to 162nd Avenue).

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