



**PLANNING COMMISSION REGULAR MEETING**  
**July 20, 2017 6:30 – 8:30 PM**  
**SAMMAMISH CITY HALL 801-228<sup>TH</sup> AVE SE**

# **AGENDA**

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	<u><i>Approx. start time</i></u>
<b>CALL TO ORDER</b>	<b>6:30 pm</b>
<b>ROLL CALL</b>	
<b>APPROVAL OF THE AGENDA</b>	
<b>APPROVAL OF THE MINUTES:</b> July 6, 2017	
<b>PUBLIC COMMENT</b> – Non Agenda (3 minutes per person / 5 if representing an organization)	
<b><u>OLD BUSINESS</u></b>	<b>6:45 pm</b>
Comprehensive Plan Amendments – Environment and Conservation, Utilities, and Capital Facilities Elements – Capital Facilities Element	
<ul style="list-style-type: none"><li>• Public Hearing</li><li>• Deliberation</li></ul>	
<b><u>NEW BUSINESS</u></b>	<b>8:00 pm</b>
Comprehensive Plan text amendment process - Discussion	
<b>PUBLIC COMMENT</b> – Agenda (7 minutes per person)	
<b>ADJOURN</b>	<b>8:30 pm</b>

Note: This is an opportunity for the public to address the Planning Commission. For non-agenda items, three (3) minutes are granted per person, or five (5) minutes if representing the official position of a recognized community organization. Seven (7) minutes are granted per person for agenda items.

If you are submitting written material, please supply 8 copies (7 for Planning Commission; 1 for the record). If you would like to show a video or PowerPoint, it must be submitted or emailed by 5pm the day of the meeting to Kevin Johnson at [Kjohnson@sammamish.us](mailto:Kjohnson@sammamish.us). Please be aware that Planning Commission meetings are videotaped and available to the public.

The City of Sammamish Planning Commission is appointed and is the advisory board to the City Council on the preparation and amendment of land use plans and implementing ordinances such as zoning. Planning Commissioners are selected to represent all areas of the City and as many "walks of life" as possible. The actions of the Planning Commission are not final decisions; they are in the form of recommendations to City Council who must ultimately make the final decision.

***THE COMMISSION MAY ADD OR TAKE ACTIONS ON ITEMS NOT LISTED ON THIS AGENDA.***

Planning Commission meetings are wheelchair accessible. American Sign Language (ASL) interpretation is available upon request. Please phone (425) 295-0500 at least 48 hours in advance. Assisted Listening Devices are also available upon request.

# PLANNING COMMISSION AGENDA CALENDAR

Date	Time	Type	Staff	Topics
<b>August</b>		No Meetings		
<b>September 6</b>	5:00 PM	Special Meeting w/ Parks Commission	Kellye Hilde Parks Staff	Work Session: Urban Forestry Management Plan Work Session: PRO Plan Update
	6:30 PM	Regular Meeting	Doug McIntyre ARCH Staff Public Works Staff	Work Session: Housing Strategy Update Work Session: Storm Water Code Updates
<b>September 7</b>	Cancelled	Regular Meeting		
<b>September 21</b>	6:30 PM	Regular Meeting	Jeff Thomas David Pyle Public Works Staff	Public Hearing / Deliberation: Storm Water Code Updates Work Session: Erosion Hazards Near Sensitive Water Bodies Overlay No-Disturbance Area Code
<b>October 5</b>	6:30 PM	Regular Meeting	Jeff Thomas David Pyle  David Goodman	Public Hearing / Deliberation: Erosion Hazards Near Sensitive Water Bodies Overlay No-Disturbance Area Code Work Session: Electronic Reader Boards Code
<b>October 19</b>	6:30 PM	Regular Meeting	Kellye Hilde David Goodman	Public Hearing / Deliberation: Electronic Reader Boards Code
<b>November 2</b>	6:30 PM	Regular Meeting	Kellye Hilde Doug McIntyre David Goodman	Work Session: 2018 Comprehensive Plan Amendments – Docket Requests
<b>November 16</b>	6:30 PM	Regular Meeting	Kellye Hilde Doug McIntyre David Goodman	Public Hearing / Deliberation: 2018 Comprehensive Plan Amendments – Docket Requests
<b>December 7</b>	6:30 PM	Regular Meeting	Kellye Hilde Doug McIntyre	Work Session: Town Center Implementation Strategy Update
<b>December 21</b>	Cancelled	Regular Meeting		



# Memorandum

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Date: July 20, 2017  
To: City of Sammamish Planning Commission  
From: Doug McIntyre, AICP, Senior Planner  
Re: 2017 Comprehensive Plan Docket – Environment and Conservation Element, Utilities Element, and Capital Facilities Element

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The Sammamish Municipal Code (SMC), in accordance with the Growth Management Act (GMA), allows the City to consider certain types of amendments to the Comprehensive Plan on an annual basis. These amendments fall into two categories: text amendments, which address technical updates and do not require substantive changes to policy language, and site-specific land use map amendments, which seek to change the future land use map zoning designation of an individual's or group of individuals' property.

The City docketed two of the eight proposed Comprehensive Plan Amendments submitted for the 2017 Docket by Resolution R2016-709 (Attachment A). The docket includes the following text amendment proposals:

1. **City of Sammamish Department of Public Works** – Amend the Transportation Element of the Sammamish Comprehensive Plan to update the City's concurrency project list and the City's Traffic Impact Fee. Additional changes include an updated traffic model to reflect growth and the annexation of Klahanie.
2. **City of Sammamish Department of Public Works** – Amend the Sammamish Comprehensive Plan to be consistent with revised Storm and Surface Water Management Comprehensive Plan, Surface Water Design Manual and Sammamish Addendum, Public Works Standards, and Low Impact Development regulations, among other minor edits. The proposal will specifically amend the Environment and Conservation Element, the Utilities Element, and the Capital Facilities Element.

## Process

The two proposals included in the 2017 Docket are being reviewed separately by Planning Commission and City Council in succession, with review of the Environment and Conservation Element, Utilities Element, and Capital Facilities Element second. All docketed amendments will be assessed for their cumulative effect on the community as well as the Comprehensive Plan.

Amendments to the Comprehensive Plan require a recommendation from the Planning Commission before they can be considered for approval by the City Council. A schedule for review of these proposed amendments has been set with the following dates:

### *Planning Commission*

- **July 6, 2017** - Work Session
- **July 20, 2017** - Public Hearing, Deliberation, and Recommendation

### *City Council*

- **September 5, 2017** - Public Hearing and First Reading of the Ordinance

- **September 19, 2017** - Second Reading of the Ordinance
- **Fall 2017** – Third Reading, Consolidated Annual Amendment of the Comprehensive Plan

### **Analysis**

Department of Community Development (DCD) Staff have reviewed the proposed amendments to the Environment and Conservation Element, Utilities Element, and Capital Facilities Element submitted by the Department of Public Works against criteria in SMC Title 24. Staff finds that the proposal is within the parameters of allowable amendments, pursuant to SMC 24.25.030. The proposal specifically meets provisions SMC 24.25.030(2)(a), (b), (g), and (k), which relate to technical amendments, amendments to the capital improvement plan, amendments to technical appendices, and other amendments initiated by the City, respectively.

The City Council adopted updated Public Works Standards, Storm and Surface Water Management Comprehensive Plan, Surface Water Design Manual and Sammamish Addendum, and Low Impact Development regulations in 2016. The Department of Public Works is now proposing amendments to the Comprehensive Plan in order to make it consistent with the updated documents and to ensure clarity and consistency throughout all City plans. The proposal will also include the City's updated 2017-2022 Surface Water CIP list and 2017-2022 Transportation CIP list in the Comprehensive Plan. No policy changes are proposed.

### **Summary of July 6, 2017 Planning Commission Work Session**

On July 6, 2017, the Planning Commission held a work session to review and discuss the proposal. The Planning Commission was particularly interested in obtaining a more holistic understanding of surface water management in the City. Additionally, there were specific items that the Planning Commission was concerned with, including: ensuring the accuracy of the estimated project costs in the Capital Improvement Plan (CIP) tables; including totals and subtotals on the project lists; and ensuring the accuracy of the inventory of public storm and surface water facilities. In response to the requested changes, City Staff have added clarity to the summary matrix (Attachment B) and made edits to the proposed changes (Attachments C and D), which will be reviewed at the July 20, 2017 meeting.

### **Next Steps**

The Planning Commission will hold a public hearing on the proposed amendment to the Environment and Conservation Element, Utilities Element, and Capital Facilities Element at the July 20, 2017 meeting. After closing the public hearing, Planning Commission should consider public input and deliberate on the proposal. Following deliberation, the Planning Commission should recommend a version of the proposal to the City Council for adoption.

### **Attachments**

- A. Resolution R2016-709
- B. Summary matrix of proposed amendments and Planning Commission comments on the Environment and Conservation Element, Utilities Element, and Capital Facilities Element
- C. Redline version of proposed amendments to the Environment and Conservation Element, Utilities Element, and Capital Facilities Element
- D. Clean version of proposed amendments to the Environment and Conservation Element, Utilities Element, and Capital Facilities Element

**CITY OF SAMMAMISH**  
**WASHINGTON**  
**Resolution No. R2016-709**

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**A RESOLUTION OF THE CITY OF SAMMAMISH,  
WASHINGTON RELATED TO SETTING THE  
COMPREHENSIVE PLAN AMENDMENT DOCKET FOR  
2017**

WHEREAS, the City of Sammamish plans under Chapter 36.70A RCW, the Growth Management Act (“GMA”), which requires cities to adopt a comprehensive plan that is consistent with the GMA and with county and regional planning policies;

WHEREAS, the City Council initially adopted the City’s Comprehensive Plan in 2003 by Ordinance O2003-130, and has adopted various subsequent revisions; and

WHEREAS, the City Council updated the Sammamish Comprehensive Plan in accordance with RCW 36.70A.130 on October 26, 2015 (“2015 Comprehensive Plan”) by adopting Ordinance O2015-396; and

WHEREAS, Sammamish Municipal Code (SMC) Chapter 24.15.040 authorizes the City to consider site-specific land use map amendments and text amendments to the Comprehensive Plan on an annual basis; and

WHEREAS, City staff solicited Comprehensive Plan amendment proposals from citizens and City departments in August and September 2016; and

WHEREAS, a total of eight proposals were submitted and deemed complete, including four from the general public and four from City departments; and

WHEREAS, proposals that are included on the 2017 docket will be added to the City’s 2017 work plan, thoroughly analyzed, and returned to the Planning Commission and City Council for consideration; and

WHEREAS, on October 27, 2016 the Planning Commission held a work session on the proposals for the 2017 Comprehensive Plan docket; and

WHEREAS, on November 3, the Planning Commission held a public hearing on the proposals for the 2017 Comprehensive Plan docket, considered public comment, and made a recommendation to the City Council regarding which proposals to include on the 2017 docket; and

WHEREAS, on November 8, 2016 the City Council held a work session on the proposals for the 2017 Comprehensive Plan docket; and

WHEREAS, on November 15, 2016, the City Council held a public hearing on the proposals for the 2017 Comprehensive Plan docket in order to provide further opportunity for public comment and participation;

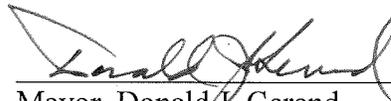
**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SAMMAMISH, WASHINGTON, DO RESOLVE AS FOLLOWS:**

Section 1. Docket Decision. The City Council of the City of Sammamish hereby approves the following proposals to be included on the 2017 Comprehensive Plan docket:

6. City of Sammamish – Department of Public Works
  - Amend Transportation element to update the City’s concurrency project list and the City’s Traffic Impact Fee, as well as other traffic model updates reflecting growth and the annexation of Klahanie.
7. City of Sammamish – Department of Public Works
  - Amend Comprehensive Plan to be consistent with revised Storm and Surface Water Management Comprehensive Plan, Surface Water Design Manual, Public Works Standards and Low Impact Development codes, among other minor edits.

**PASSED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE 6<sup>th</sup> DAY OF DECEMBER, 2016.**

CITY OF SAMMAMISH

  
\_\_\_\_\_  
Mayor, Donald J. Gerend

ATTEST/AUTHENTICATED:

  
\_\_\_\_\_  
Melonie Anderson, City Clerk

Approved as to form:

  
\_\_\_\_\_  
Michael R. Kenyon, City Attorney

Filed with the City Clerk: November 29, 2016

Passed by the City Council: December 6, 2016

Resolution No.: R2016-709

PAGE #*	SECTION	EXPLANATION OF CHANGE: JULY 6, 2017	EXPLANATION OF REVISION: JULY 20, 2017
63	Environment & Conservation Element Policy EC.5.49	The City adopted the 2016 King County Surface Water Design Manual and Sammamish Addendum in December, 2015 so the text was revised to reflect that change. There is a highlighted box in the 2015 Comp Plan that lists the 2009 King County Surface Water Design Manual, Sammamish Addendum and the King County Storm Water Pollution Prevention Manual along with a link to where the reader could find them online. All of those documents have been superseded by the current manuals so the box was deleted.	No change
UT.10	Stormwater	Updated inventory of existing storm water facilities. The City also updated the 2001 Stormwater Management Comprehensive Plan in 2015 and renamed it to the Storm and Surface Water Management Comprehensive Plan.	Revisions were made to the inventory to respond to the Planning Commission questions. The decrease in the number of catch basins (CBs) from the 2015 Comp Plan was because the higher number included privately-owned CBs. The number of miles of ditches in the 2015 Comp Plan was incorrect. The City continues to update its inventory and map of storm and surface water assets, so the figures are approximate.
CF.10	Surface Water Inventory of Existing Facilities	Updated inventory of existing storm water facilities.	The inventory has been updated and refined in the July 20th packet. The decrease in the number of catch basins (CBs) from the 2015 Comp Plan was because the higher number included privately-owned CBs. The number of miles of ditches in the 2015 Comp Plan was incorrect. The City continues to update its inventory and map of storm and surface water assets, so the figures are approximate.
CF.10-11	Forecast of Future Needs	The City updated the 2001 Stormwater Management Comprehensive Plan in 2015 and renamed it to the Storm and Surface Water Management Comprehensive Plan.	No change
CF.10	Forecast of Future Needs	Background Table CF-5 was updated to reflect the current adopted 2017-2022 6-year Surface Water CIP.	No change
CF.##	Capital Projects Background Table CF-5	Background table was updated to reflect the current adopted 2017-2022 Surface Water CIP.	No change
CF.##	Funding Background Table CF-6	Table was updated to match the adopted 2017-2022 Surface Water CIP.	Minor changes made, including addition of subtotals
CF.##	Transportation Capital Projects Background Table CF-7	Background Table CF-7 was updated to reflect the current adopted 2017-2022 6-year Transportation CIP. The last column heading was changed to "Concurrency Project?" to be more clear which project was eligible for Traffic Impact Fees.	Upon further review, Staff determined that the Transportation CIP should reflect a twenty year list of projects, expanding on the six-year list.
CF.##	Transportation Capital Projects Background Table CF-8	Table was updated to match the adopted 2017-2022 Transportation CIP. Categories of funding sources were changed to more accurately reflect how funds are tracked and reported.	No change

\*Note: Page numbers will be finalized at adoption

Planning Commission Question	Staff Response
Why are septic tanks excluded from the list of storm and surface water infrastructure?	King County regulates and monitors septic tanks, not the City of Sammamish.
What are the alternatives to the use of unsightly stormwater ponds?	Following the 2016 updates to the Low Impact Development Codes, the City now requires that storm water ponds be more natural looking (e.g. curvilinear shapes), prescribe maximum side slopes, native plantings, and if a wall is needed, restrictions on the the exposed height of the wall.
On Page CF-10, the cost for the list of projects appears to have increased drastically; some projects on CF-11 have been struck out--why? Also, why are the totals eliminated?	The projects that are struck out have either been completed or accomplished in another way, e.g. maintenance. In some cases, projects that have been struck out have actually been re-numbered and moved. In regard to the changing cost, much of that is due to the change in the timeframe for projects from a 20 year window to a six year window. Regarding the totals, staff have updated the totals in the July 20th packet.
What is concurrency?	Staff responded that concurrency is a growth management tool intended to ensure the timely provision of public facilities and services relative to the demand for them. To maintain concurrency means that adequate public facilities are in place to serve new development as it occurs or within a specified time period (six years). A detailed presentation about concurrency was given to the Sammamish City Council at its July 10, 2017 meeting. A video of the meeting and packet materials can be found on the City's website at <a href="https://www.sammamish.us/government/city-council/agendas-and-minutes/">https://www.sammamish.us/government/city-council/agendas-and-minutes/</a> .
Can staff include subtotals in the list of projects?	Staff has included the subtotals in the July 20th packet.
Can staff provide a more clear link to the documents on the City's website?	Staff has included a more specific link to the documents.
The Inventory of Public facilities needs further clarity	The inventory has been updated and refined in the July 20th packet. The decrease in the number of catch basins (CBs) from the 2015 Comp Plan was because the higher number included privately-owned CBs. The number of miles of ditches in the 2015 Comp Plan was incorrect. The City continues to update its inventory and map of storm and surface water assets, so the figures are approximate.

Attachment C - Redlined Comp Plan  
(Excerpts)

## Environment and Conservation Element

*Policy EC.5.47 Where commercial and industrial uses and high levels of vehicular traffic are established, seek to protect and enhance water quality. Store petroleum, solvents and other potential water pollutants in such a way as to prevent entry into the natural drainage systems or groundwater. Require car washes to use biodegradable, environmentally friendly soaps, cleansers and related materials. Encourage and promote water conservation and reuse.*



*Rain gardens at Sammamish Highlands*

*Policy EC.5.48 Continue to provide special attention to proper siting and maintenance of existing septic systems to preserve the valuable ecological functions and beneficial uses of water resources. Educate septic users and owners as to proper maintenance of septic systems.*

*Policy EC.5.49 Manage storm water runoff through a variety of methods, with the goal of:*

- a Limiting impacts to aquatic resources (including lake and stream life forms), and*
- b Promoting groundwater recharge.*

*Include temporary erosion and sediment control, flow control facilities, water quality facilities as required by the City's current Surface Water Design Manual and Sammamish Addendum, ~~and Best Management Practices as described in the Storm Water Pollution Control Manual as methods of storm water management~~. These documents are available on the City's website at: [www.sammamish.us/government/departments/public-works/](http://www.sammamish.us/government/departments/public-works/)*



*LID stormwater control at Sammamish Highlands*

*Manage runoff caused by development to prevent adverse impacts to water resources. Develop regulations that favor non-structural storm water control measures when feasible including: vegetation retention and management, seasonal clearing limits, limits on impervious surface, preservation of open space and limits on soil disturbance.*

The **2009 King County Surface Water Design Manual** is available online at: <http://your.kingcounty.gov/dhrp/library/water-and-land/stormwater/surface-water-design-manual/SWDM-2009.pdf>.

The **City of Sammamish Surface Water Design Manual Addendum** is available online at: [www.sammamish.us/pdfs/departments/publicworks/O2011-304%20-%20Attachment%20B%20Surface%20Water%20Design%20Manual%20Addendum%206-2-11.pdf](http://www.sammamish.us/pdfs/departments/publicworks/O2011-304%20-%20Attachment%20B%20Surface%20Water%20Design%20Manual%20Addendum%206-2-11.pdf).

The **Storm Water Pollution Prevention Manual** is available online at: <http://your.kingcounty.gov/dhrp/library/water-and-land/stormwater/stormwater-pollution-prevention-manual/SPPM-Jan09.pdf>.

Utilities Element

*See Volume I, stormwater  
Policy UT.1.5.*

### Stormwater

The built infrastructure that conveys, detains, and treats surface and stormwater runoff in Sammamish is a mix of open ditches, closed pipes, culverts, streams and a variety of stormwater facilities that have been installed prior to and post-Sammamish incorporation. According to King County GIS records, at least 100 of the stormwater facilities constructed in Sammamish were built before 2000, and 30% of those were constructed prior to 1990. Stormwater facilities including ponds, vaults, swales, catch basins, pipes, and ditches are currently being mapped in GIS, but known system components include approximately:

- ~~21877~~+ miles of pipe;
- ~~938,120~~+ ~~structures (e.g. catch basins)~~;
- ~~6495~~ miles of open ditches ~~and swales~~;
- ~~396425~~+ publicly owned and maintained surface water facilities; and
- ~~12018~~+ privately owned and maintained surface water facilities.

In 2001, a *Stormwater Management Comprehensive Plan* was developed by the City in compliance with the regulatory requirements of the Growth Management Act, the National Pollutant Discharge Elimination System (NPDES) Phase II Rule, and the Puget Sound Water Quality Management Plan. The updated NPDES Phase II Permit for 2013–2018 became effective on August 1, 2013. The City ~~is updated in~~ the ~~plan in 2015 and renamed it the~~ *Storm and Surface ~~w~~Water Management Comprehensive Plan* ~~in 2015~~.

## Capital Facilities Element

## Police

### Inventory of Existing Facilities

The Sammamish Police Station is located at City Hall which is described above (see General Government Facilities).

### Forecast of Future Needs

The City does not forecast needs for future capital facilities for police.

### Capital Projects

There are no capital projects for capital facilities for police.

### Funding

No funding is projected because there are no capital projects for police.

## Surface Water

### Inventory of Existing Facilities

Stormwater facilities including ponds, vaults, swales, catch basins, pipes, and ditches are currently being mapped in GIS, but known system components include approximately:

- 218+ miles of pipe
- 8,120+ structures (e.g. catch basins)
- 64 miles of open ditches and swales
- 425+ publicly owned and maintained surface water facilities, and
- 120+ privately owned and maintained surface water facilities

There are 299 residential surface water sites, 100 commercial surface water sites, and 22 regional (King County) surface water sites in Sammamish.

### Forecast of Future Needs

In 2001, a Stormwater Management Comprehensive Plan was developed by the City in compliance with the regulatory requirements of the Growth Management Act, the National Pollutant Discharge Elimination System (NPDES) Phase II Permit Rule,

and the Puget Sound Water Quality Management Plan. The City updated the plan in 2015 and renamed it the Storm and Surface Water Management Comprehensive Plan. For more

detailed information related to future needs for surface water facilities serving the City of Sammamish, consult the Utilities element of the City of Sammamish Comprehensive Plan and the Storm [and Surface w](#)Water Management Comprehensive Plan.

[Background Table CF-5 lists the 2017-2022 Stormwater Capital Improvement Projects. Please see the city's adopted budget for the most current list of stormwater CIP projects.](#)

## CF.10

Sammamish Comprehensive Plan  
Capital Facilities Background Information  
October 2015

### Capital Projects

Background Table CF-5

*Adopted Surface Water Capital Improvement Projects: 2013-2018*

CIP	PROJECT TITLE	Est COST (\$)
		2013- <del>2018</del>
		2022 <del>18</del>
<b>CAPITAL PROJECTS</b>		
SW-01	Towncenter Regional Stormwater Plan	300,000
SW-02 <del>1</del>	Louis Thompson Hill Rd High Density Polyethylene Storm Pipe <del>Inglewood Neighborhood Drainage Project</del>	<del>2,200,000</del> 218,000
SW-03 <del>1A</del>	Zackuse Creek Fish Passage Culvert and Stream Restoration <del>Inglewood Neighborhood Water Quality Retrofit</del>	1,200,000 <del>900,000</del>
SW-04	Ebright Creek Fish Passage Culvert Project	850,000
SW-05	George Davis Creek Fish Passage Culvert Project	1,300,000
SW-06	Sahalee Way Stormwater Tightline	387,000
SW-07	Zackuse Creek Basin Plan	150,000
SW-08	Pine Lake Creek Basin Plan	125,000
SW-09	Laughing Jacobs Creek Basin Plan	300,000
SW-10	Evans Creek Basin Plan	150,000
SW-11	Hazel Wolf Culvert Improvement Project	75,000
SW-12 <del>2A</del>	Tamarack Neighborhood Drainage & Water Quality Retrofit	<del>227</del> 540,000
	<i>SUBTOTAL</i>	5,809,000
<b>STORM PROGRAMS</b>		
SW-A	Stormwater Property Acquisition Fund	1,500,000
SW-B	Stormwater Opportunity Fund	500,000
SW-C	Basin Plan Project Implementation Placeholder	900,000
SW-D	Neighborhood Drainage Capital Resolutions	1,200,000
SW-E	Beaver Management Program	90,000
	<i>SUBTOTAL</i>	4,190,000
<b>OTHER</b>		
SW-F	KC Contract 1999 Principal & Interest	118,000 <del>137</del>
SW-G	KC Contract 2001 Principal & Interest	51,000 <del>279</del>
SW-H	Interfund Loan Repayment	1,113,200
		500

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## CF.10

Sammamish Comprehensive Plan  
Capital Facilities Background Information  
October 2015

TR-01	SE 4 <sup>th</sup> Street: 218 <sup>th</sup> to 228 <sup>th</sup> Ave SE	4287,000	517
TR-02	Issaquah Pine Lake Rd: Klahanie Blvd to SE 32 <sup>nd</sup> Way	3554,000	520
TR-05	Sahalee Way NE: 25 <sup>th</sup> Way NE to North City Limits	488,000	427
TR-07	Issaquah Fall City Rd: 42 <sup>nd</sup> Ave SE to Klahanie Dr SE	2076,000	795
TR-10	212 <sup>th</sup> Ave SE "Gap" Project: SE 24 <sup>th</sup> St to Crossings Subdivision	76,000	
TR-20	SE 1 <sup>st</sup> St Extension: Lawson Park Plat to 248 <sup>th</sup> Ave SE	410,000	865
TR-25	212 <sup>th</sup> Way (Snake Hill) Improvements	2,170,000	17
	<i>SUBTOTAL</i>	3,765,000	
<b>3</b>	<del>TOTAL SE 24<sup>th</sup> Way Neighborhood Drainage Project</del>	15,046,000	572,800
<b>3A</b>	<del>SE 24<sup>th</sup> Way Neighborhood Water Quality Retrofit</del>	950,000	
<b>4</b>	<del>Salmon Passage Projects Zaccuse or Ebright Improvements</del>	2,500,000	
<b>5</b>	<del>Issaquah Pine Lake Rd — SE 48<sup>th</sup> to Klahanie Blvd Stormwater Component</del>	3,580,000	
<b>6</b>	<del>218<sup>th</sup> Ave SE — SE 4<sup>th</sup> St to E Main St Stormwater Component</del>	150,000	
<b>7</b>	<del>228<sup>th</sup> Ave SE — SE 32<sup>nd</sup> St to Issaquah Pine Lake Rd Stormwater Component</del>	120,000	
<b>8</b>	<del>244<sup>th</sup> Ave SE — SE 32<sup>nd</sup> St to SE 24<sup>th</sup> St Provide non-motorized facilities — Stormwater Component</del>	190,000	
<b>9</b>	<del>Non-motorized Transportation Projects Sidewalks, Trails, Bikeways, and Paths, etc. Stormwater Component</del>	1,550,000	
<b>10</b>	<del>Stormwater Improvements to the Pedestrian Underpass at 187<sup>th</sup></del>	65,000	
<b>11</b>	<del>West Beaver Lake Drive Culvert Improvement between Hazel Wolfe wetland and Beaver Lake</del>	490,000	
<b>12</b>	<del>Culvert Under 229<sup>th</sup> near Deerfield Park</del>	99,000	
<b>13</b>	<del>Wetland 17 Outlet Beaver Deceiver</del>	55,000	
<b>14</b>	<del>Major Stormwater Repairs</del>	2,125,000	
<b>15</b>	<del>Sidewalk Program</del>	400,000	
<b>16</b>	<del>Beaver Management</del>	250,000	
<b>17</b>	<del>Basin Planning Pine Lake Creek Basin</del>	400,000	
<b>18</b>	<del>Basin Planning Laughing Jacobs Creek Basin</del>	400,000	
<b>19</b>	<del>Issaquah Pine Lake Rd — Klahanie Blvd to SE 32<sup>nd</sup> Stormwater Component</del>	1,653,000	
	<b>TOTAL</b>	22,197,000	



## CF.12

Sammamish Comprehensive Plan  
Capital Facilities Background Information  
October 2015

### Funding

Background Table CF-6

Surface Water Capital Improvement Funding: 201~~37~~-  
20~~18~~22

AMOUNT (\$)  
201~~37~~-  
20~~22~~18

#### FUNDING SOURCE

2013 Beginning Fund Balance	<del>1,100,000</del> <u>472,000</u>
Surface Water Fund	<del>7,225,000</del> <u>900,000</u>
System Development Charges to Developers	<del>3,712,500</del> <u>600,000</u>
Anticipated grants	<del>1,807,000</del> <u>300,000</u>
Funding To Be Determined	<del>1,565,500</del> <u>20,825,000</u>
<b>TOTAL</b>	<del>22,197,000</del>

### Transportation

The description of the existing transportation system, deficiencies and future needs are identified in the Transportation Element of this Comprehensive Plan.

#### Inventory of Existing Facilities

There are 11 miles<sup>1</sup> of principal arterial roads in the City of Sammamish, and 16 miles of minor arterials, 10 miles of collector roads, and 141 miles of local access roads. It is estimated that 50% of local access roads have sidewalks. There are also three bridges, 20 traffic signals, 300–500 street lamps.

#### Forecast of Future Needs

As the City continues to grow, and population increases, the demand for transportation infrastructure increases. The City has adopted Level of Service (LOS) Standards that assure transportation demands due to development within Sammamish are met. The improvements triggered by the City's adopted LOS standards are focused on arterials.

The City has many locations that were not constructed to urban standards. This leaves many gaps in the non-motorized transportation system. As the City continues to grow there will be a higher demand to expand the non-motorized network beyond the improvements triggered by the City's adopted LOS Standards.

<sup>1</sup>"Miles" means centerline miles. One centerline mile of a two-lane road equals 2 lane miles, and one center line mile of a four-lane road equals 4 lane miles.

## Capital Projects

Background Table CF-7

Transportation Capital Improvement Projects: 2015-2035

<u>CIP</u>	<u>PROJECT LOCATION</u>	<u>COST ESTIMATE</u>	<u>NEEDED TO MEET LOS?*</u>	<u>CONCURRENCY FAILURE</u>	
<b>TR-01</b>	<u>SE 4th Street: 218th Avenue SE to 228th Avenue SE</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter, and sidewalk</u>	<u>15,035,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-02</b>	<u>Issaquah-Pine Lake Road: Klahanie Boulevard to SE 32nd Way</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter, sidewalk and improve existing roundabout</u>	<u>16,306,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-03</b>	<u>Issaquah-Pine Lake Road: SE 48th Street to Klahanie Boulevard</u>	<u>Widen to 5 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>19,524,000</u>	<u>YES</u>	<u>NO</u>
<b>TR-04</b>	<u>East Lake Sammamish Parkway SE / SE 24th Street Intersection</u>	<u>Construct traffic signal, turn lanes, curb, gutter and sidewalk</u>	<u>3,614,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-05</b>	<u>Sahalee Way NE: NE 25th Way to North City Limits</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter, and sidewalk</u>	<u>15,992,000</u>	<u>YES</u>	<u>NO</u>
<b>TR-06</b>	<u>228th Avenue SE: SE 32nd Street to Issaquah-Pine Lake Road</u>	<u>Provide additional southbound through lane</u>	<u>602,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-07</b>	<u>Issaquah-Fall City Road: 42nd Avenue SE to Klahanie Drive SE</u>	<u>Widen to 5 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>22,592,000</u>	<u>YES</u>	<u>YES**</u>
<b>TR-08</b>	<u>Issaquah-Fall City Road: Klahanie Drive SE to Issaquah-Beaver Lake Road</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>14,435,000</u>	<u>NO</u>	<u>YES**</u>
<b>TR-10</b>	<u>212th Avenue SE "Gap" Project: SE 24th Street to Crossings Subdivision</u>	<u>Provide non-motorized facilities, curb, gutter and sidewalk</u>	<u>685,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-17</b>	<u>244th Avenue NE: NE 8th Street to NE 20th Street</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-18</b>	<u>SE 8th Street / 218th Avenue SE: 212th Avenue SE to SE 4th Street</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>14,769,000</u>	<u>N/A</u>	<u>N/A</u>

*\*Based on 2016 traffic counts**\*\*Within a concurrency failing corridor**N/A indicates projects not evaluated for LOS/Concurrency**continued on the following page*

**CF.14**

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*continued from the previous page*

<u>CIP</u>	<u>PROJECT LOCATION</u>		<u>COST ESTIMATE</u>	<u>NEEDED TO MEET LOS?*</u>	<u>CONCURRENCY FAILURE</u>
<b>TR-19</b>	<u>Intelligent Transportation System</u>	<u>Add Phase 2 of threw 228th Avenue/Sahalee Way ITS project from NE 12th Street to SR 202</u>	<u>3,152,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-20</b>	<u>SE 14th Street Improvements: Approx. 243rd Avenue SE to 248th Avenue SE</u>	<u>Provide 2 lane roadway with walking path on north side of street, interim connection.</u>	<u>245,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-21</b>	<u>228th Avenue NE: NE 12th Street to NE 25th Way</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-23</b>	<u>East Lake Sammamish Parkway SE: 212th Avenue SE to South City Limits</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>10,935,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-25</b>	<u>212th Way SE (Snake Hill): East Lake Sammamish Pkwy SE to 212th Ave SE</u>	<u>Improve 2 lanes with new retaining walls</u>	<u>5,766,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-27</b>	<u>Issaquah-Pine Lake Road SE: SE Issaquah-Fall City Road to SE 48th Street***</u>	<u>Widen to 5 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>8,772,000</u>	<u>YES</u>	<u>NO</u>
<b>TR-28</b>	<u>228th Avenue SE: Issaquah-Pine Lake Road SE to SE 43rd Way</u>	<u>Widen to 5 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>20,774,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-29</b>	<u>SE Belvedere Way: East Beaver Lake Road to 263rd Place SE</u>	<u>New roadway connection - extend SE Belvedere Way to East Beaver Lake Drive SE</u>	<u>636,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-30</b>	<u>New Road Connection to East Beaver Lake Drive SE at 266th Way SE</u>	<u>Extend 266th Way SE to East Beaver Lake Drive SE and widen East Beaver Lake Drive SE from 266th Way SE to Beaver Lake Way SE</u>	<u>4,876,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-31</b>	<u>228th Avenue SE: SE 4th Street to SE 20th Street</u>	<u>Improve roadway segment LOS by widening/adding lanes, adding bile lanes or revise LOS</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-32</b>	<u>228th Avenue SE: SE 20th Street to Issaquah-Pine Lake Road SE</u>	<u>Improve roadway segment LOS by widening/adding lanes, adding bile lanes or revise LOS</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-33</b>	<u>228th Avenue SE &amp; SE 4th Street Intersection</u>	<u>Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS</u>	<u>4,500,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-34</b>	<u>228th Avenue SE &amp; SE 8th Street Intersection</u>	<u>Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS</u>	<u>4,488,000</u>	<u>NO</u>	<u>NO</u>
<b>TR-35</b>	<u>228th Avenue NE &amp; NE 8th Street / NE Inglewood Hill Road Intersection</u>	<u>Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS</u>	<u>4,500,000</u>	<u>NO</u>	<u>NO</u>

*\*\*\* Currently outside City limits*

*continued on the following page*

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<u>CIP</u>	<u>PROJECT LOCATION</u>	<u>COST ESTIMATE</u>	<u>NEEDED TO MEET LOS?*</u>	<u>CONCURRENCY FAILURE</u>	
<b>TR-36</b>	<u>SE 24th Street: 228th Avenue SE to 244th Avenue SE</u>	<u>Widen to 3 lanes with bike lanes, curb, gutter and sidewalk</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-37</b>	<u>228th Avenue NE &amp; NE 4th Street Intersection</u>	<u>Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-38</b>	<u>212th Avenue SE &amp; SE 24th Street Intersection Improvement</u>	<u>Install roundabout at this intersection.</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-39</b>	<u>Issaquah-Beaver Lake Road SE &amp; 256th Avenue SE Intersection Improvement</u>	<u>Install roundabout at this intersection.</u>	<u>1,230,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-40</b>	<u>SE Duthie Hill Road &amp; 266th Avenue SE (High Country) Intersection Improvement</u>	<u>Install roundabout at this intersection.</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-41</b>	<u>SE 48th Street: Issaquah-Pine Lake Road SE to 227th Place SE</u>	<u>Install curb, gutter, sidewalk and bike lanes.</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-42</b>	<u>218th Avenue SE / 216th Avenue NE: SE 4th Street to Inglewood Hill Road NE</u>	<u>Install turn lanes, traffic calming, curb, gutter and sidewalk and bike lanes.</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-43</b>	<u>212th Avenue SE &amp; SE 20th Street Intersection Improvement</u>	<u>Install single lane roundabout at this intersection.</u>	<u>2,367,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-44</b>	<u>SE 32nd Street / SE 33rd Place Traffic Calming</u>	<u>Install traffic calming along route via city's Neighborhood Traffic Management Program</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-45</b>	<u>244th Avenue SE &amp; SE 32nd Street Intersection</u>	<u>Install single lane roundabout at this intersection</u>	<u>2,760,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-46</b>	<u>228th Avenue: NE 12th Street to SE 4th Street</u>	<u>Improve roadway segment LOS by widening/adding lanes, adding bike lanes or revise LOS</u>	<u>TBD</u>	<u>NO</u>	<u>NO</u>
<b>TR-47</b>	<u>Sahalee Way : North City Limits to NE 36th Street</u>	<u>Add 1 additional southbound travel lane/climbing lane/right turn lane</u>	<u>4,650,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-48</b>	<u>Sahalee Way: SR 202 to North City Limits</u>	<u>Widen as necessary to extend left turn lanes; add additional travel lane/climbing lane</u>	<u>4,720,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-49</b>	<u>West Beaver Lake Drive</u>	<u>Widen as necessary to include shoulders / multi-use pathway or sidewalks</u>	<u>TBD</u>	<u>N/A</u>	<u>N/A</u>

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**CF.16**

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CIP	PROJECT LOCATION		COST	NEEDED TO CONCURRENCY	
			ESTIMATE	MEET LOS?*	FAILURE
<b>TR-A</b>	<u>Public Works Trust Fund Loan Repayment</u>	<u>228th Ave NE Improvements</u>	<u>10,546,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-B</b>	<u>Non-motorized Transportation Projects</u>	<u>Sidewalks, trails, bikeways and paths, etc.</u>	<u>4,500,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-C</b>	<u>Sidewalk Projects</u>	<u>Various sidewalk projects, includes gap projects, extensions, safety improvements.</u>	<u>960,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-D</b>	<u>Intersection and Safety Improvements</u>	<u>Intersection/other safety improvements, including channelization, signing, signalization, and/or other traffic control devices.</u>	<u>1,200,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-E</b>	<u>Neighborhood CIP</u>	<u>Safety improvements including gap projects, bike routes, pedestrian safety and school zone safety.</u>	<u>600,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-F</b>	<u>Street Lighting Program</u>	<u>Street Lighting Program Provide street lighting at high priority locations with significant safety issues that can be addressed through better street lighting</u>	<u>90,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-G</b>	<u>School Zone Safety Improvements</u>	<u>In conjunction with Issaquah &amp; Lake Washington School Districts, provide safety improvements in the City's various school zones.</u>	<u>300,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TR-H</b>	<u>Capital Contingency Reserve Placeholder</u>	<u>Capital Contingency Reserve Placeholder Reserve fund for capital projects and to address other unforeseen circumstances that may arise.</u>	<u>3,000,000</u>	<u>N/A</u>	<u>N/A</u>
<b>TOTAL KNOWN EXPENDITURES</b>			<b><u>193,793,000</u></b>		

*continued from the previous page*

CIP	PROJECT LOCATION		COST (\$2014)	NEEDED FOR LOS?
<b>18</b>	<u>Sidewalk Projects</u>	<u>Various sidewalk projects, includes gap projects, extensions, safety improvements.</u>	<u>5,000,000</u>	<u>N/A</u>

19	Transit Program	Provides funding for capital project-matching funds and/ or provide for additional transit service.	10,000,000	N/A
20	Neighborhood CIP	Various capital improvements including safety improvements, gap projects, bike routes, pedestrian safety enhancements, and school zone safety improvements.	2,000,000	N/A
21	Street Lighting Program	Provide street lighting at high priority locations with significant safety issues that can be addressed through better street lighting	400,000	N/A
22	Intersection Improvements	Various intersection and other spot improvements as needed, including channelization, signing, safety improvements, signalization, or other traffic control devices.	5,000,000	N/A
TOTAL EXPENDITURES			151,945,000	

## CF.18

Sammamish Comprehensive Plan  
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### Funding

*Background Table CF-8*

*Transportation Capital Improvement Funding: 2017-2035*

FUNDING SOURCE	AMOUNT (\$) 2017-2035
Transportation Fund Revenue <del>(REET)</del>	<del>31,902,500</del> <del>25,000,000</del>
Road Impact Fees (includes beginning fund balance)	<del>50,378,526</del> <del>82,000,000</del>
Anticipated grants	<del>231,600,000</del>
<b>TOTAL REVENUE</b>	<b>151,945,000</b>

Based on concerns that Duthie Hill Road is not continuous within the City of Sammamish and concerns that King County may not be willing or able to construct improvements within their jurisdictional boundaries, the City Council adopted policy in 2013 that would add the Duthie Hill Rd improvements to the City's concurrency project list at such time that Sammamish is in control of the entire

corridor between Issaquah-Beaver Lake Road and Trossachs Blvd SE or when a coordinated and continuous project can be developed in partnership with King County.

#### Background Table CF-9

Transportation Capital Improvement Funding: 2015-2035

CIP	PROJECT LOCATION		COST (\$2014)	NEEDED FOR LOS?
8	SE Duthie Hill Rd—SE Issaquah-Beaver Lake Rd to “notch”	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	13,716,000	YES
9	SE Duthie Hill Rd—West side of “notch” to Trossachs Blvd SE	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	13,230,000	YES

CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO MEET LOS?	CONCURRENCY FAILURE
TR-24	SE Duthie Hill Rd—SE Issaquah- Beaver Lake Rd to “notch”	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	8,564,000	NO	NO
TR-26	SE Duthie Hill Rd—West side of “notch” to Trossachs Blvd SE	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	4,485,000	NO	NO

## Fire & Emergency Medical Response Services

Eastside Fire and Rescue (“EF&R”) serves the City of Sammamish with a full-range of fire suppression and emergency medical services.

### Inventory of Existing Facilities

The City of Sammamish owns the fire stations and apparatus that are operated by EF&R. The City owns 3 stations, 8 pumpers, 6 rescue and/or aid vehicles, and 4 SUVs and automobiles.

### Forecast of Future Needs

The City does not forecast needs for future capital facilities for fire

**Attachment D – Clean Version of Comp Plan (Excerpts)**

**Environment and Conservation Element (Clean Version)**

*Policy EC.5.47 Where commercial and industrial uses and high levels of vehicular traffic are established, seek to protect and enhance water quality. Store petroleum, solvents and other potential water pollutants in such a way as to prevent entry into the natural drainage systems or groundwater. Require car washes to use biodegradable, environmentally friendly soaps, cleansers and related materials. Encourage and promote water conservation and reuse.*



*Rain gardens at Sammamish Highlands*

*Policy EC.5.48 Continue to provide special attention to proper siting and maintenance of existing septic systems to preserve the valuable ecological functions and beneficial uses of water resources. Educate septic users and owners as to proper maintenance of septic systems.*

*Policy EC.5.49 Manage storm water runoff through a variety of methods, with the goal of:*

- a Limiting impacts to aquatic resources (including lake and stream life forms), and*
- b Promoting groundwater recharge.*

*Include temporary erosion and sediment control, flow control facilities, water quality facilities as required by the City's current Surface Water Design Manual and Sammamish Addendum. These documents are available on the City's website at: [www.sammamish.us/government/departments/public-works/](http://www.sammamish.us/government/departments/public-works/)*

*Manage runoff caused by development to prevent adverse impacts to water resources. Develop regulations that favor non-structural storm water control measures when feasible including: vegetation retention and management, seasonal clearing limits, limits on impervious surface, preservation of open space and limits on soil disturbance.*



*LID stormwater control at Sammamish Highlands*

## Utilities Element (Clean Version)

*See Volume I, stormwater*

*Policy UT.1.5.* ■

### Stormwater

The built infrastructure that conveys, detains, and treats surface and stormwater runoff in Sammamish is a mix of open ditches, closed pipes, culverts, streams and a variety of stormwater facilities that have been installed prior to and post-Sammamish incorporation. According to King County GIS records, at least 100 of the stormwater facilities constructed in Sammamish were built before 2000, and 30% of those were constructed prior to 1990. Stormwater facilities including ponds, vaults, swales, catch basins, pipes, and ditches are currently being mapped in GIS, but known system components include approximately:

- 218+ miles of pipe
- 8,120+ structures (e.g. catch basins)
- 64 miles of open ditches and swales
- 425+ publicly owned and maintained surface water facilities, and
- 120+ privately owned and maintained surface water facilities

In 2001, a *Stormwater Management Comprehensive Plan* was developed by the City in compliance with the regulatory requirements of the Growth Management Act, the National Pollutant Discharge Elimination System (NPDES) Phase II Rule, and the Puget Sound Water Quality Management Plan. The updated NPDES Phase II Permit for 2013–2018 became effective on August 1, 2013. The City updated the Plan in 2015 and renamed it the *Storm and Surface Water Management Comprehensive Plan*.

**Capital Facilities Plan (Clean Version)**

## **Police**

### **Inventory of Existing Facilities**

The Sammamish Police Station is located at City Hall which is described above (see General Government Facilities).

### **Forecast of Future Needs**

The City does not forecast needs for future capital facilities for police.

### **Capital Projects**

There are no capital projects for capital facilities for police.

### **Funding**

No funding is projected because there are no capital projects for police.

## **Surface Water**

### **Inventory of Existing Facilities**

Stormwater facilities including ponds, vaults, swales, catch basins, pipes, and ditches are currently being mapped in GIS, but known system components include approximately:

- 218+ miles of pipe
- 8,120+ structures (e.g. catch basins)
- 64 miles of open ditches and swales
- 425+ publicly owned and maintained surface water facilities, and
- 120+ privately owned and maintained surface water facilities

### **Forecast of Future Needs**

In 2001, a Stormwater Management Comprehensive Plan was developed by the City in compliance with the regulatory requirements of the Growth Management Act, the National Pollutant Discharge Elimination System (NPDES) Phase II Permit, and the Puget Sound Water Quality Management Plan. The City updated the plan in 2015 and renamed it the Storm and Surface Water Management Comprehensive Plan. For more detailed information related to future needs for surface water facilities serving the City of Sammamish, consult the Utilities element of the City of Sammamish Comprehensive Plan and the Storm and Surface Water Management Comprehensive Plan.

Background Table CF-5 lists the 2017-2022 Stormwater Capital Improvement Projects. Please see the city's adopted budget for the most current list of stormwater CIP projects.

## CF.10

Sammamish Comprehensive Plan  
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### Capital Projects

*Background Table CF-5*

*Adopted Surface Water Capital Improvement Projects: 2017-2022*

CIP	PROJECT TITLE	Est COST (\$) 2017-2022
<i>CAPITAL PROJECTS</i>		
SW-01	Towncenter Regional Stormwater Plan	300,000
SW-02	Louis Thompson Hill Rd High Density Polyethylene Storm Pipe	218,000
SW-03	Zackuse Creek Fish Passage Culvert and Stream Restoration	1,200,000
SW-04	Ebright Creek Fish Passage Culvert Project	850,000
SW-05	George Davis Creek Fish Passage Culvert Project	1,300,000
SW-06	Sahalee Way Stormwater Tightline	387,000
SW-07	Zackuse Creek Basin Plan	150,000
SW-08	Pine Lake Creek Basin Plan	125,000
SW-09	Laughing Jacobs Creek Basin Plan	300,000
SW-10	Evans Creek Basin Plan	150,000
SW-11	Hazel Wolf Culvert Improvement Project	75,000
SW-12	Tamarack Neighborhood Drainage & Water Quality Retrofit	754,000
	<i>SUBTOTAL</i>	5,809,000
<i>STORM PROGRAMS</i>		
SW-A	Stormwater Property Acquisition Fund	1,500,000
SW-B	Stormwater Opportunity Fund	500,000
SW-C	Basin Plan Project Implementation Placeholder	900,000
SW-D	Neighborhood Drainage Capital Resolutions	1,200,000
SW-E	Beaver Management Program	90,000
	<i>SUBTOTAL</i>	4,190,000
<i>OTHER</i>		
SW-F	KC Contract 1999 Principal & Interest	118,000
SW-G	KC Contract 2001 Principal & Interest	51,000
SW-H	Interfund Loan Repayment	1,113,000
	<i>SUBTOTAL</i>	1,282,000

*continued on the following page*

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*STORM COMPONENT OF TRANSPORTATION CIP PROJECTS*

TR-01	SE 4 <sup>th</sup> Street: 218 <sup>th</sup> to 228 <sup>th</sup> Ave SE	428,000
TR-02	Issaquah Pine Lake Rd: Klahanie Blvd to SE 32 <sup>nd</sup> Way	355,000
TR-05	Sahalee Way NE: 25 <sup>th</sup> Way NE to North City Limits	488,000
TR-07	Issaquah Fall City Rd: 42 <sup>nd</sup> Ave SE to Klahanie Dr SE	207,000
TR-10	212 <sup>th</sup> Ave SE "Gap" Project: SE 24 <sup>th</sup> St to Crossings Subdivision	76,000
TR-20	SE 1 <sup>th</sup> St Extension: Lawson Park Plat to 248 <sup>th</sup> Ave SE	41,000
TR-25	212 <sup>th</sup> Way (Snake Hill) Improvements	2,170,000
	<i>SUBTOTAL</i>	3,765,000
<b>TOTAL</b>		<b>15,046,000</b>

## CF.12

Sammamish Comprehensive Plan  
Capital Facilities Background Information  
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### Funding

*Background Table CF-6*

*Surface Water Capital Improvement Funding: 2017-2022*

FUNDING SOURCE	AMOUNT (\$) 2017-2022
2013 Beginning Fund Balance	1,100,00
Surface Water Fund	7,225,000
System Development Charges to Developers	3,712,500
Anticipated grants	1,807,000
Funding To Be Determined	1,565,500

### Transportation

The description of the existing transportation system, deficiencies and future needs are identified in the Transportation Element of this Comprehensive Plan.

#### Inventory of Existing Facilities

There are 11 miles<sup>1</sup> of principal arterial roads in the City of Sammamish, and 16 miles of minor arterials, 10 miles of collector roads, and 141 miles of local access roads. It is estimated that 50% of local access roads have sidewalks. There are also three bridges, 20 traffic signals, 300-500 street lamps.

#### Forecast of Future Needs

As the City continues to grow, and population increases, the demand for transportation infrastructure increases. The City has adopted Level of Service (LOS) Standards that assure transportation demands due to development within Sammamish are met. The improvements triggered by the City's adopted LOS standards are focused on arterials.

The City has many locations that were not constructed to urban standards. This leaves many gaps in the non-motorized transportation system. As the City continues to grow there will be a higher demand to expand the non-motorized network beyond the improvements triggered by the City's adopted LOS Standards.

<sup>1</sup>"Miles" means centerline miles. One centerline mile of a two-lane road equals 2 lane miles, and one center line mile of a four-lane road equals 4 lane miles.

## Capital Projects

Background Table CF-7

Transportation Capital Improvement Projects: 2017-2037

CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO MEET LOS?*	CONCURRENCY FAILURE
TR-01	SE 4th Street: 218th Avenue SE to 228th Avenue SE	Widen to 3 lanes with bike lanes, curb, gutter, and sidewalk	15,035,000	NO	NO
TR-02	Issaquah-Pine Lake Road: Klahanie Boulevard to SE 32nd Way	Widen to 3 lanes with bike lanes, curb, gutter, sidewalk and improve existing roundabout	16,306,000	NO	NO
TR-03	Issaquah-Pine Lake Road: SE 48th Street to Klahanie Boulevard	Widen to 5 lanes with bike lanes, curb, gutter and sidewalk	19,524,000	YES	NO
TR-04	East Lake Sammamish Parkway SE / SE 24th Street Intersection	Construct traffic signal, turn lanes, curb, gutter and sidewalk	3,614,000	NO	NO
TR-05	Sahalee Way NE: NE 25th Way to North City Limits	Widen to 3 lanes with bike lanes, curb, gutter, and sidewalk	15,992,000	YES	NO
TR-06	228th Avenue SE: SE 32nd Street to Issaquah-Pine Lake Road	Provide additional southbound through lane	602,000	NO	NO
TR-07	Issaquah-Fall City Road: 42nd Avenue SE to Klahanie Drive SE	Widen to 5 lanes with bike lanes, curb, gutter and sidewalk	22,592,000	YES	YES**
TR-08	Issaquah-Fall City Road: Klahanie Drive SE to Issaquah-Beaver Lake Road	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	14,435,000	NO	YES**
TR-10	212th Avenue SE "Gap" Project: SE 24th Street to Crossings Subdivision	Provide non-motorized facilities, curb, gutter and sidewalk	685,000	N/A	N/A
TR-17	244th Avenue NE: NE 8th Street to NE 20th Street	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	TBD	NO	NO
TR-18	SE 8th Street / 218th Avenue SE: 212th Avenue SE to SE 4th Street	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	14,769,000	N/A	N/A

\*Based on 2016 traffic counts

\*\*Within a concurrency failing corridor

N/A indicates projects not evaluated for LOS/Concurrency

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CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO MEET LOS?*	CONCURRENCY FAILURE
TR-19	Intelligent Transportation System	Add Phase 2 of thruway 228th Avenue/Sahalee Way ITS project from NE 12th Street to SR 202	3,152,000	N/A	N/A
TR-20	SE 14th Street Improvements: Approx. 243rd Avenue SE to 248th Avenue SE	Provide 2 lane roadway with walking path on north side of street, interim connection.	245,000	N/A	N/A
TR-21	228th Avenue NE: NE 12th Street to NE 25th Way	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	TBD	NO	NO
TR-23	East Lake Sammamish Parkway SE: 212th Avenue SE to South City Limits	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	10,935,000	NO	NO
TR-25	212th Way SE (Snake Hill): East Lake Sammamish Pkwy SE to 212th Ave SE	Improve 2 lanes with new retaining walls	5,766,000	N/A	N/A
TR-27	Issaquah-Pine Lake Road SE: SE Issaquah-Fall City Road to SE 48th Street***	Widen to 5 lanes with bike lanes, curb, gutter and sidewalk	8,772,000	YES	NO
TR-28	228th Avenue SE: Issaquah-Pine Lake Road SE to SE 43rd Way	Widen to 5 lanes with bike lanes, curb, gutter and sidewalk	20,774,000	NO	NO
TR-29	SE Belvedere Way: East Beaver Lake Road to 263rd Place SE	New roadway connection - extend SE Belvedere Way to East Beaver Lake Drive SE	636,000	N/A	N/A
TR-30	New Road Connection to East Beaver Lake Drive SE at 266th Way SE	Extend 266th Way SE to East Beaver Lake Drive SE and widen East Beaver Lake Drive SE from 266th Way SE to Beaver Lake Way SE	4,876,000	N/A	N/A
TR-31	228th Avenue SE: SE 4th Street to SE 20th Street	Improve roadway segment LOS by widening/adding lanes, adding bike lanes or revise LOS	TBD	NO	NO
TR-32	228th Avenue SE: SE 20th Street to Issaquah-Pine Lake Road SE	Improve roadway segment LOS by widening/adding lanes, adding bike lanes or revise LOS	TBD	NO	NO
TR-33	228th Avenue SE & SE 4th Street Intersection	Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS	4,500,000	NO	NO
TR-34	228th Avenue SE & SE 8th Street Intersection	Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS	4,488,000	NO	NO
TR-35	228th Avenue NE & NE 8th Street / NE Inglewood Hill Road Intersection	Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS	4,500,000	NO	NO

\*\*\* Currently outside City limits

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CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO MEET LOS?*	CONCURRENCY FAILURE
TR-36	SE 24th Street: 228th Avenue SE to 244th Avenue SE	Widen to 3 lanes with bike lanes, curb, gutter and sidewalk	TBD	NO	NO
TR-37	228th Avenue NE & NE 4th Street Intersection	Improve intersection LOS by widening/adding lanes or installing 2 lane roundabout or revise LOS	TBD	NO	NO
TR-38	212th Avenue SE & SE 24th Street Intersection Improvement	Install roundabout at this intersection.	TBD	N/A	N/A
TR-39	Issaquah-Beaver Lake Road SE & 256th Avenue SE Intersection Improvement	Install roundabout at this intersection.	1,230,000	N/A	N/A
TR-40	SE Duthie Hill Road & 266th Avenue SE (High Country) Intersection Improvement	Install roundabout at this intersection.	TBD	N/A	N/A
TR-41	SE 48th Street: Issaquah-Pine Lake Road SE to 227th Place SE	Install curb, gutter, sidewalk and bike lanes.	TBD	N/A	N/A
TR-42	218th Avenue SE / 216th Avenue NE: SE 4th Street to Inglewood Hill Road NE	Install turn lanes, traffic calming, curb, gutter and sidewalk and bike lanes.	TBD	N/A	N/A
TR-43	212th Avenue SE & SE 20th Street Intersection Improvement	Install single lane roundabout at this intersection.	2,367,000	N/A	N/A
TR-44	SE 32nd Street / SE 33rd Place Traffic Calming	Install traffic calming along route via city's Neighborhood Traffic Management Program	TBD	N/A	N/A
TR-45	244th Avenue SE & SE 32nd Street Intersection	Install single lane roundabout at this intersection	2,760,000	N/A	N/A
TR-46	228th Avenue: NE 12th Street to SE 4th Street	Improve roadway segment LOS by widening/adding lanes, adding bike lanes or revise LOS	TBD	NO	NO
TR-47	Sahalee Way : North City Limits to NE 36th Street	Add 1 additional southbound travel lane/climbing lane/right turn lane	4,650,000	N/A	N/A
TR-48	Sahalee Way: SR 202 to North City Limits	Widen as necessary to extend left turn lanes; add additional travel lane/climbing lane	4,720,000	N/A	N/A
TR-49	West Beaver Lake Drive	Widen as necessary to include shoulders / multi-use pathway or sidewalks	TBD	N/A	N/A

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CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO CONCURRENCY MEET LOS?*	FAILURE
TR-A	Public Works Trust Fund Loan Repayment	228th Ave NE Improvements	10,546,000	N/A	N/A
TR-B	Non-motorized Transportation Projects	Sidewalks, trails, bikeways and paths, etc.	4,500,000	N/A	N/A
TR-C	Sidewalk Projects	Various sidewalk projects, includes gap projects, extensions, safety improvements.	960,000	N/A	N/A
TR-D	Intersection and Safety Improvements	Intersection/other safety improvements, including channelization, signing, signalization, and/or other traffic control devices.	1,200,000	N/A	N/A
TR-E	Neighborhood CIP	Safety improvements including gap projects, bike routes, pedestrian safety and school zone safety.	600,000	N/A	N/A
TR-F	Street Lighting Program	Street Lighting Program Provide street lighting at high priority locations with significant safety issues that can be addressed through better street lighting	90,000	N/A	N/A
TR-G	School Zone Safety Improvements	In conjunction with Issaquah & Lake Washington School Districts, provide safety improvements in the City's various school zones.	300,000	N/A	N/A
TR-H	Capital Contingency Reserve Placeholder	Capital Contingency Reserve Placeholder Reserve fund for capital projects and to address other unforeseen circumstances that may arise.	3,000,000	N/A	N/A
TOTAL KNOWN EXPENDITURES			193,793,000		

## Funding

*Background Table CF-8*

*Transportation Capital Improvement Funding: 2017-2035*

FUNDING SOURCE	AMOUNT (\$) 2017-2035
Transportation Fund Revenue	31,902,500
Road Impact Fees (includes beginning fund balance)	50,378,526
Anticipated grants	16,000,000

## CF.18

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Based on concerns that Duthie Hill Road is not continuous within the City of Sammamish and concerns that King County may not be willing or able to construct improvements within their jurisdictional boundaries, the City Council adopted policy in 2013 that would add the Duthie Hill Rd improvements to the City's concurrency project list at such time that Sammamish is in control of the entire corridor between Issaquah-Beaver Lake Road and Trossachs Blvd SE or when a coordinated and continuous project can be developed in partnership with King County.

*Background Table CF-9*

*Transportation Capital Improvement Funding: 2015-2035*

CIP	PROJECT LOCATION		COST ESTIMATE	NEEDED TO MEET LOS?	CONCURRENCY FAILURE
TR-24	SE Duthie Hill Rd—SE Issaquah- Beaver Lake Rd to "notch"	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	8,564,000	NO	NO
TR-26	SE Duthie Hill Rd—West side of "notch" to Trossachs Blvd SE	Widen to 3' lanes with bike lanes, curb, gutter, and sidewalk on west side, 8' shoulder on east side	4,485,000	NO	NO

## Fire & Emergency Medical Response Services

Eastside Fire and Rescue ("EF&R") serves the City of Sammamish with a full-range of fire suppression and emergency medical services.

### Inventory of Existing Facilities

The City of Sammamish owns the fire stations and apparatus that are operated by EF&R. The City owns 3 stations, 8 pumpers, 6 rescue and/or aid vehicles, and 4 SUVs and automobiles.

### Forecast of Future Needs

The City does not forecast needs for future capital facilities for fire and emergency medical response.