

**CITY COUNCIL WORK SESSION
FEBRUARY 6, 2012
6:00 P.M.
NEWBERG PUBLIC SAFETY BUILDING
401 EAST THIRD STREET**

WORK SESSIONS ARE INTENDED FOR DISCUSSION. NO ACTION WILL BE TAKEN ON THE AGENDA ITEMS AND NO DECISIONS WILL BE MADE. NO ORAL OR WRITTEN TESTIMONY WILL BE HEARD OR RECEIVED FROM THE PUBLIC.

- I. CALL MEETING TO ORDER**
- II. ROLL CALL**
- III. REVIEW OF COUNCIL AGENDA AND MEETING**
- IV. COUNCIL HOUSEKEEPING ITEMS**

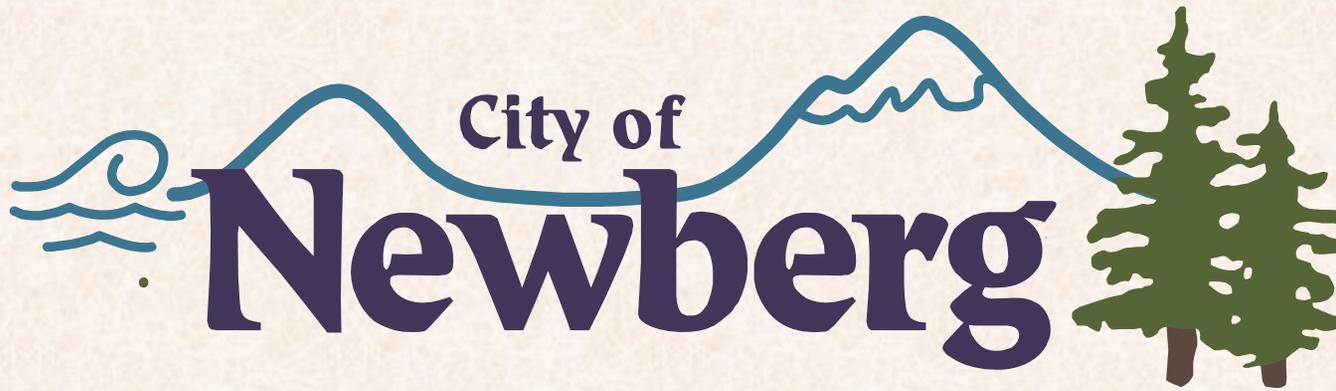
PRESENTATION FROM THE ENGINEERING DIVISION ON CAPITAL IMPROVEMENT PROJECTS.

- V. ADJOURNMENT**

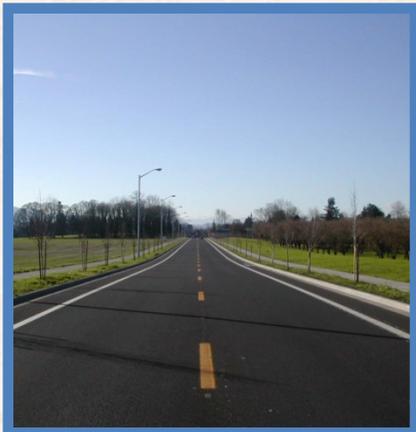
ACCOMMODATION OF PHYSICAL IMPAIRMENTS:

In order to accommodate persons with physical impairments, please notify the City Recorder's Office of any special physical accommodations you may need as far in advance of the meeting as possible and no later than 48 business hours prior to the meeting. To request these arrangements, please contact the city recorder, at (503) 537-1283. For TTY service please dial 711.

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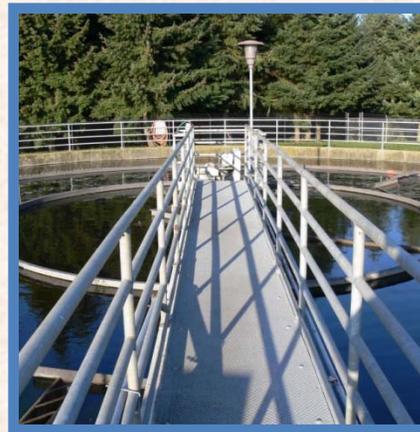
CAPITAL IMPROVEMENT PROJECTS PROGRAM DISCUSSION



Transportation



Water



Wastewater



Storm Drainage

February 6, 2012

City of Newberg Public Works Department

The City of Newberg Capital Improvement Projects Program completes the planning, design, and construction of City infrastructure in five distinct areas of work throughout the City, as follows:

❖ **Transportation**

❖ **Water**

❖ **Wastewater**

❖ **Storm Drainage**

❖ **Multi-Funded & Special Projects**

Master plans and studies have been prepared which identify infrastructure projects that are needed in each area of the four disciplines. Those documents have been adopted by City Council and are as follows:

2005 Transportation System Plan

Newberg Transportation System Plan

Newberg, Oregon

Prepared for:
The City of Newberg
414 E. 1st Street
P.O. Box 970
Newberg, Oregon 97132
(503) 537-1240

and

Oregon Department of Transportation
Region 2
455 Airport Road SE
Salem, Oregon 97301
(503) 986-2600

Prepared by:
Kittelson & Associates, Inc.
610 SW Alder, Suite 700
Portland, OR 97205
(503) 228-5230

in association with:
Angelo Eaton & Associates
Cogan Owens Cogan

Project No. 5193

June 2005



2002 Transportation Task Force Report



November 13, 2002

Mr. Dan Danicic
City of Newberg
414 East First Street
Newberg, OR 97132

Re: Transportation Utility Formation Project

Dear Dan:

Financial Consulting Solutions Group, Inc. (FCS Group) is pleased to provide this compilation of key work products related to the City of Newberg street utility formation effort.

The project took place over the course of the last year. It entailed working with a thoughtful and engaged citizens' committee (the transportation work group, or TWG), City staff, and the citizens of Newberg. Work products included meetings with staff, the TWG, the City Council, the general public, and specific potential customers. In addition, we wrote issue papers for the Committee, developed presentation materials, and constructed a comprehensive level-of-service transportation utility fee spreadsheet model.

These work products are included in this final deliverable. Section One of this document includes the issue papers and memoranda written for the TWG process. Section Two includes a printed copy of the technical analysis (an electronic copy of the spreadsheet model is provided for City staff use under separate cover). Section Three is the presentation packet developed for the public meetings, and Section Four includes the initial draft utility and rate ordinance. To date, no utility has been adopted.

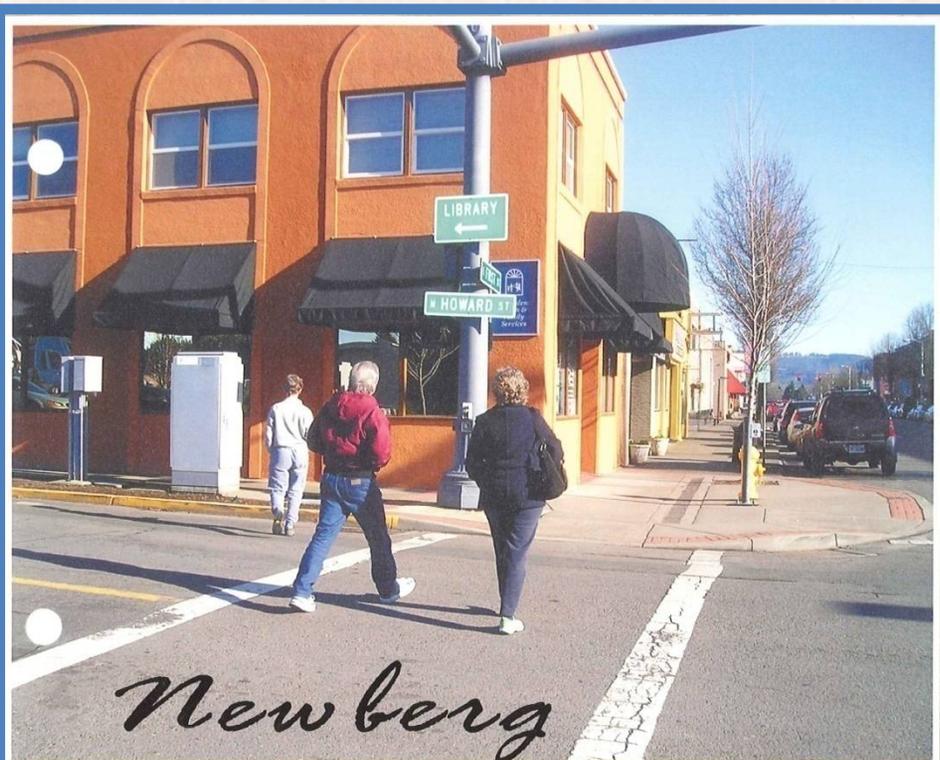
Thank you for the opportunity to serve the City of Newberg on this effort. We would welcome the chance to assist the City again -- on the final implementation / adoption of the utility, or on any other related effort. In the meantime, please call me if you have any questions about this delivery.

Yours very truly,

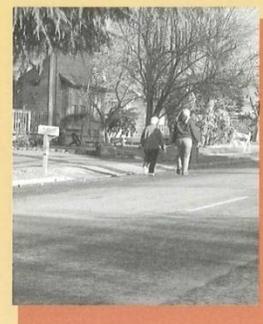
John Ghilarducci
Senior Project Manager

FINANCIAL CONSULTING SOLUTIONS GROUP, INC.
8201 - 164th AVE NE, SUITE 300 ■ REDMOND, WA 98052 ■ VOICE: 425-867-1802 ■ FAX: 425-867-1937 ■ www.fcsgroup.com

2007
ADA/Pedestrian/Bike
Route Improvement Plan



ADA/Pedestrian/Bike Route Improvement Plan



2004 Water Distribution System Plan

2004 City of Newberg Water Distribution System Plan

Prepared for
City of Newberg, Oregon

December 2004

Prepared by
CH2MHILL

PDX03320006.DOC

2005 Springs Evaluation Report and the 2010 Springs Divesture Analysis

prepared for
City of Newberg
Public Works Department,
Engineering Division

prepared by

Groundwater Solutions, Inc.

and
CH2MHILL

December 2005

Final Report

2005 Springs Evaluation

Snider Spring
Skelton Spring
Atkinson Spring
Oliver Spring

2007 Water Management and Conservation Plan

2007
CITY OF NEWBERG
Water Management
and Conservation Plan

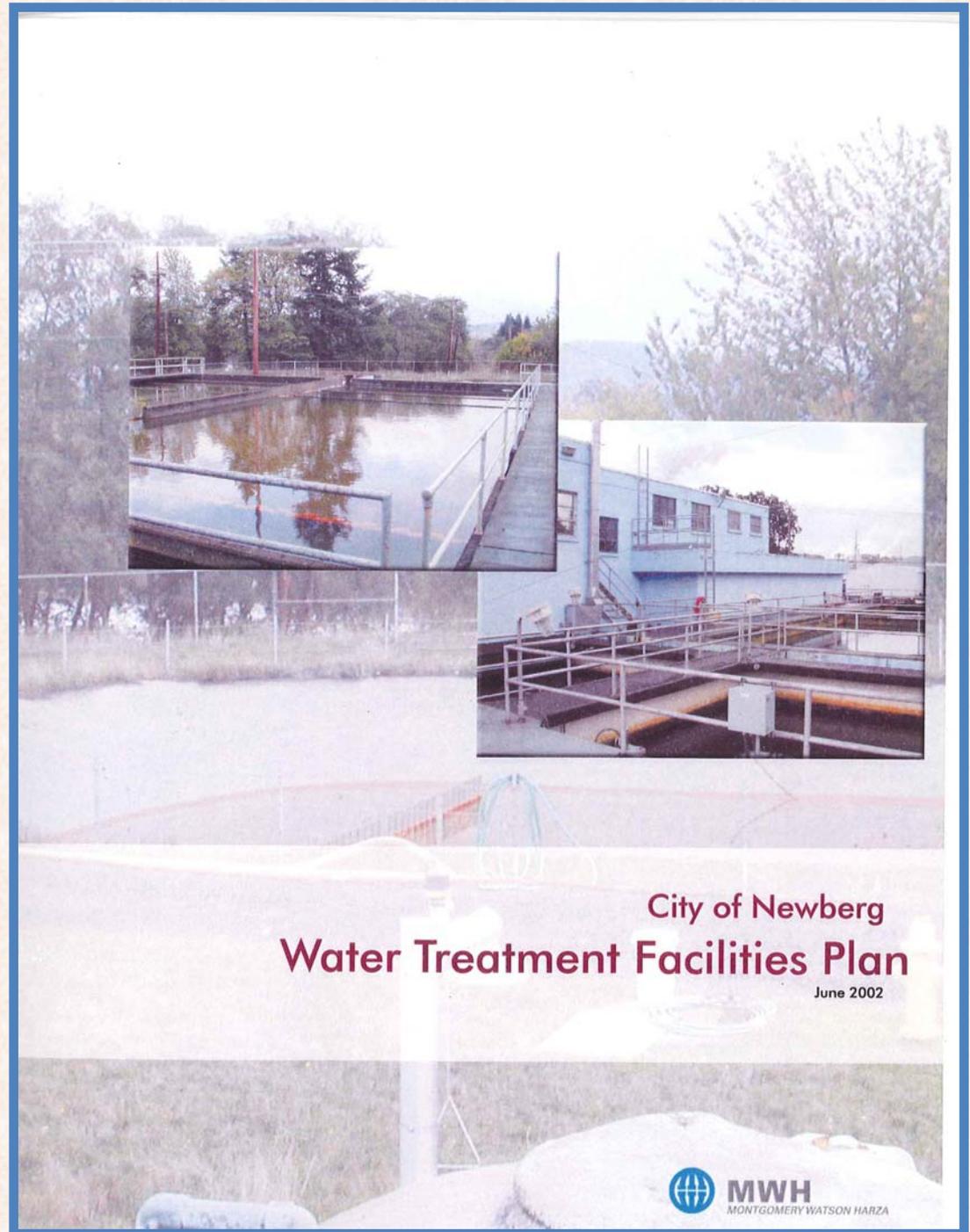
PREPARED FOR
City of
Newberg

PREPARED BY
CH2MHILL

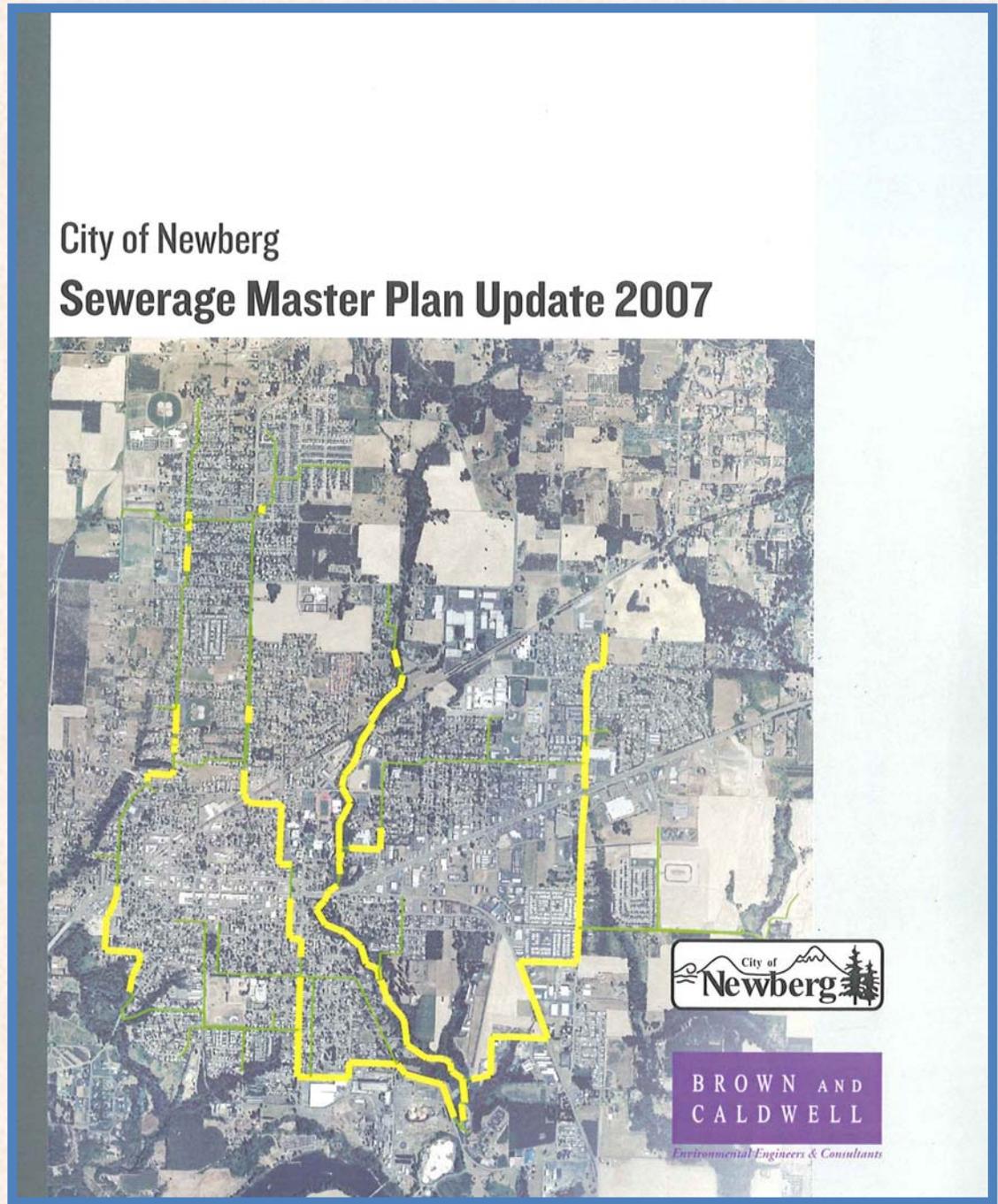
JULY 2007

W80000070 12/01/03 1346 A1 W8 7/12/07 Rev

2002 Water Treatment Facilities Plan



2007 Sewerage Master Plan Update





City of Newberg



September 2001

2001 Drainage Master Plan Update

City of Newberg Public Works Department

MASTER PLAN UPDATES

The master plans are updated approximately every ten years.

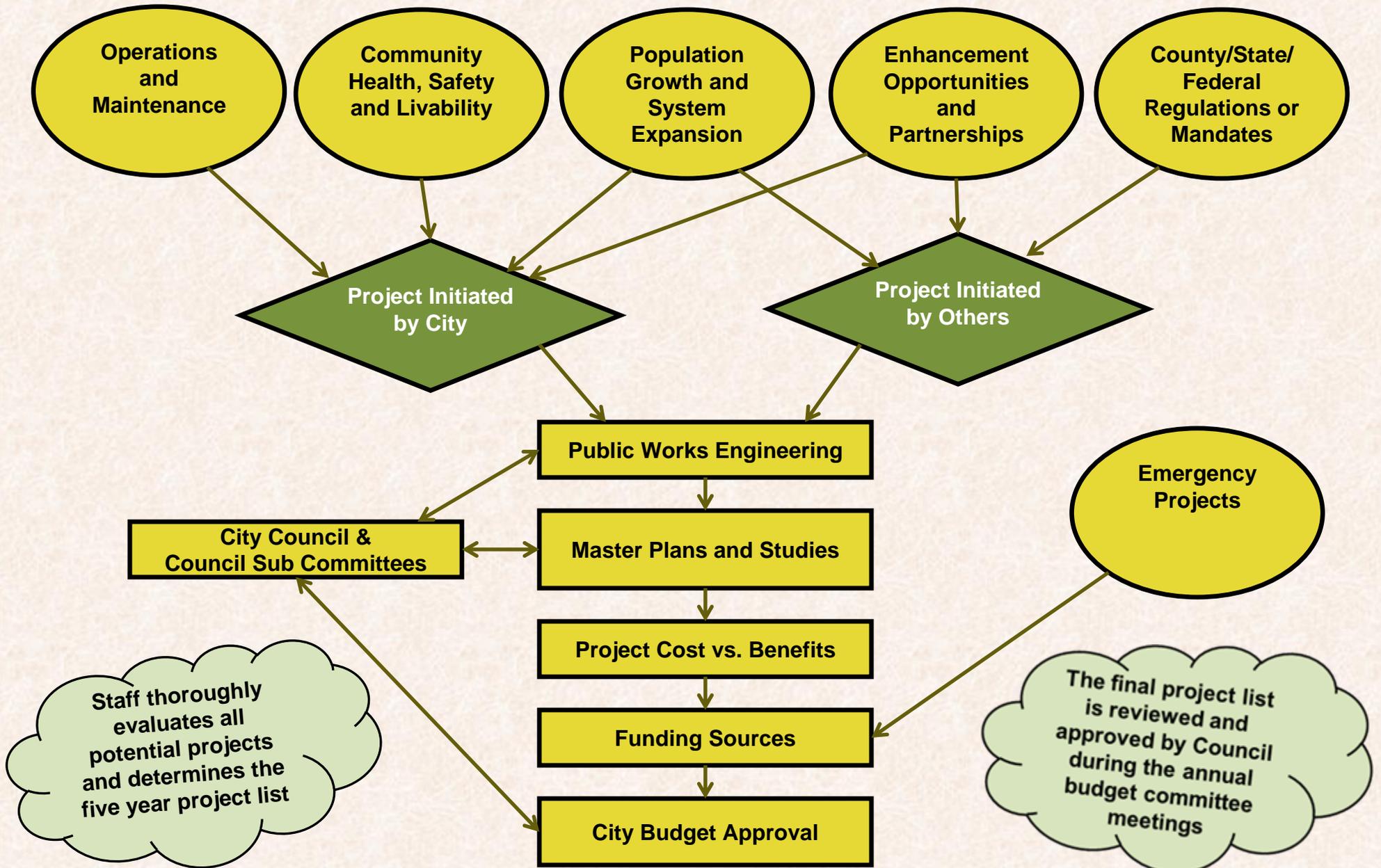
An update to the 2005 Transportation System Master Plan is underway by the City Planning Division.

Updates to the 2002 Water Treatment Facilities Plan, the 2004 Water Distribution System Plan and the 2007 Water Management and Conservation Plan are proposed to begin in 2015.

Projects are continuing as outlined in the 2007 Wastewater System Plan, and the 2007 WWTP Facilities Plan . Neither Master plan are scheduled for update in the 5-year program.

The 2001 Drainage Master Plan is scheduled to be updated in 2012/13. The Stormwater Management Plan is currently being updated and will be reviewed by the Planning Commission in February 2012.

PROJECT IDENTIFICATION AND SELECTION PROCESS



CAPITAL IMPROVEMENT PROJECTS – TRANSPORTATION

The Transportation System Master Plan and associated studies have identified traffic signal, street capacity, non-street capacity, public transportation, and bicycle/pedestrian facility improvement projects.

The following 5-year project list was developed from the master plan and studies while considering the available funds and the priority of the various projects. Future revenue from funding sources may alter the timing and/or scope of the projects.

<u>Projects</u>	<u>Timeframe</u>
College Street, Sidewalk & Bike Lanes	2010/14
Deborah Road, Safe Routes to School	2012/13
Sheridan Street Enhancement (Cultural Center)	2012/13
Pavement Rehabilitation Project	2013/14
Villa Road – Fulton to Crestview, Design & Const.	2013/15
Ninth Street Sidewalks – Blaine to River	
2015/16	
Hayes Street Extension – Deborah to Springbrook	
2012/13	

Transportation Program

Project Summary Sheet

TR-001 College Street Sidewalk & Bike Lanes

5-yr estimate

\$100,000

This project is funded primarily through ODOT's Transportation Enhancement Program with the City providing the small (required) financial contribution. The project will extend sidewalks on the west side and bike lanes on both sides of N. College Street from Vermillion to Pinehurst. ODOT will hire the firms to complete the design in 2012/13 and construction in 2013/14. City staff have completed improvements adjacent to the railroad crossing.



College Street New Sidewalk (looking south)

Transportation Program

Project Summary Sheet

TR-007 Deborah Road, Safe Routes to School

5-yr estimate
\$6,000

The identified traffic/pedestrian safety issue along Deborah Road in front of Mabel Rush School will be addressed by installing two flashing school zone signs with speed feedback displays. ODOT has approved this project to be paid for with federal funding. It is currently listed as a reserve project and once funding is made available to them, ODOT will complete the sign installation. The City's required contribution is budgeted in anticipation of the project moving forward.



Similar Sign Installed at Joan Austin School



Deborah Road Street View

Transportation Program

Project Summary Sheet

TR-009 Sheridan Street Enhancement (Cultural Center)

5-yr estimate

\$365,000

Several streets within the civic corridor are in disrepair. Since this is the street system that invites the public to events at the renovated Community Center and is key to attracting visitors to downtown Newberg, the streets should be in good repair. In keeping with the civic corridor planning, additional enhancements to the streetscape are also planned.



Architect's Preliminary Design Sketch

Transportation Program

Project Summary Sheet

TR-010 Pavement Rehabilitation Project

5-yr estimate

\$150,000

An evaluation of all City streets has been conducted and a list of streets that require pavement rehabilitation has been created. The first group of streets will be improved in 2011/12 with the next section of streets planned for 2013/14 as funding allows.



4th Street, Looking East

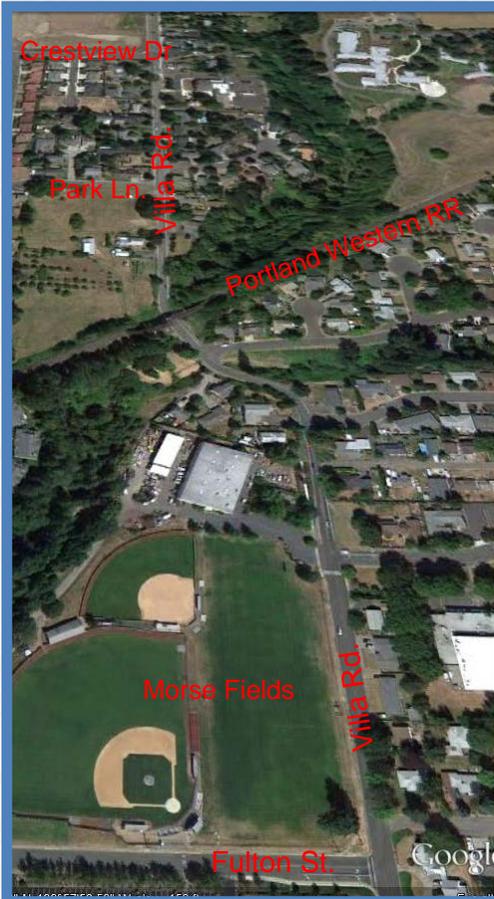


Dayton Avenue, a major collector. Pavement condition is fair. Grind 3" and Inlay with 3" hot mixed asphalt.

Transportation Program

Project Summary Sheet

	<u>5-yr estimate</u>
TR-011 Villa Road – Fulton to Crestview (Design)	\$ 535,000
TR-012 Villa Road – Fulton to Park Lane (Const.)	\$1,030,000
TR-013 Villa Road – Park Lane to Crestview (Const.)	\$ 370,000



Villa Road Aerial, Looking North

Villa Road is classified as a major collector and needs to be improved to meet standards. Improvements will include curb, gutter, sidewalks, and bike lanes. The drainage issues at the Hess Creek Crossing will also be corrected as part of this project. Villa Road Improvements will be done in phases with construction of this segment from Fulton to Crestview completing in 2015.



Villa Road at Carol Ann Dr, Looking North

Transportation Program

Project Summary Sheet

TR-015 Ninth Street Sidewalks – Blaine to River

5-yr estimate
\$81,000

Ninth Street from Blaine to River has sidewalk in disrepair along the north side of the street and no sidewalk on the south side. Proposed improvements for 2015/16 will include repair of existing sidewalk and construction of a new sidewalk with ADA ramps along the south side.



East 9th Street, Looking West

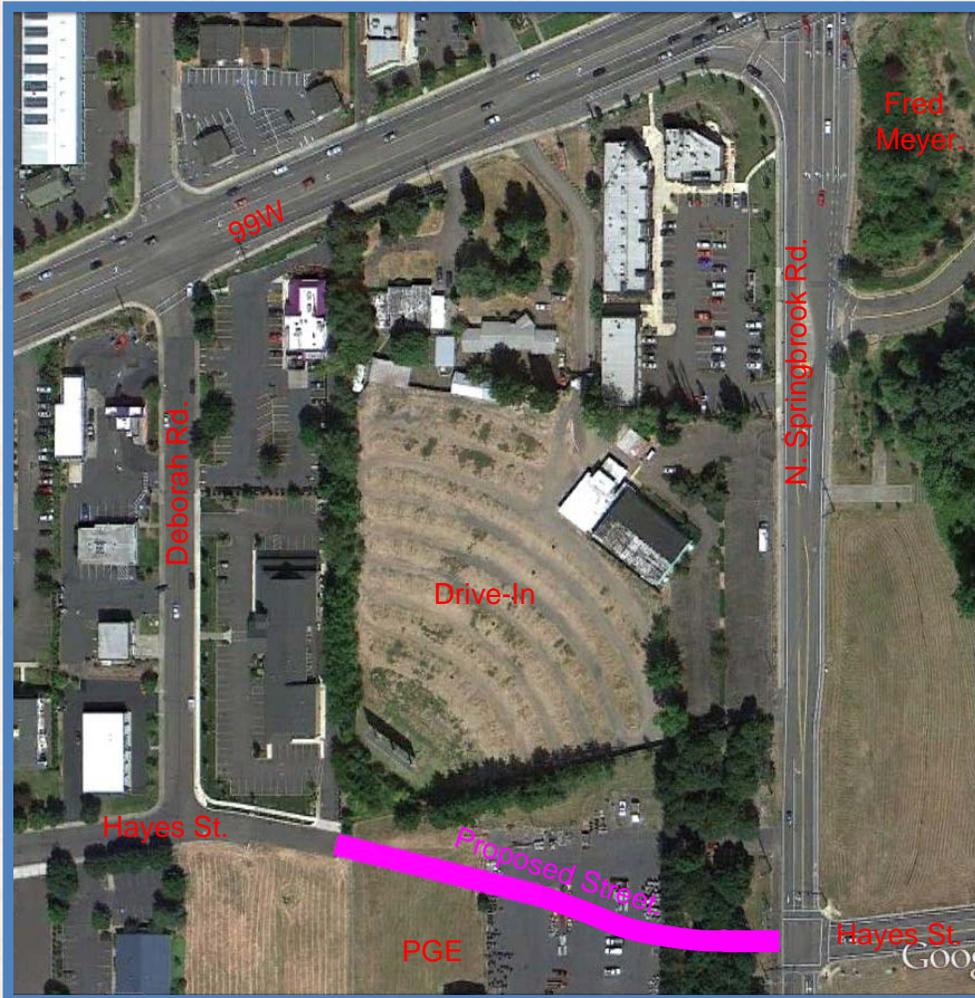


East 9th Street Aerial

Transportation Program Project Summary Sheet

TR-020 Hayes Street Extension – Deborah to Springbrook

5-yr estimate
\$450,000



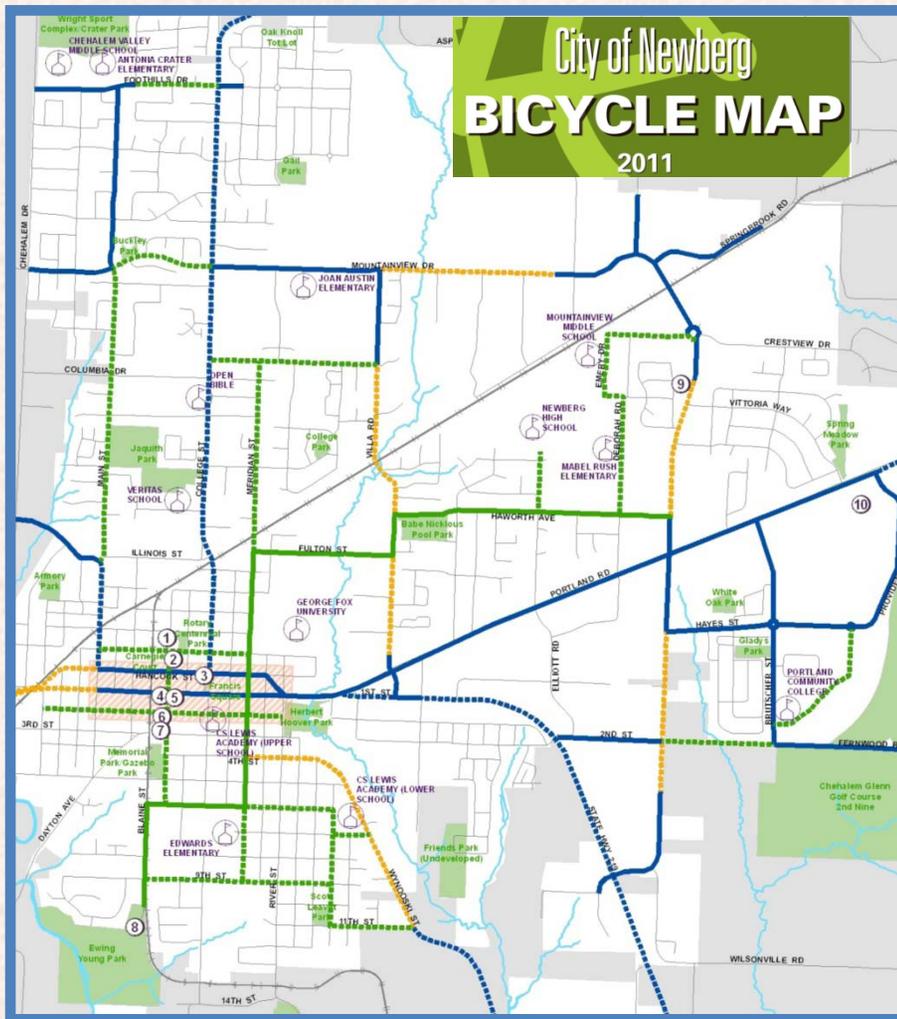
Aerial Photograph

A traffic safety issue exists at the entrance of The 99W Drive-In Theater. Cars currently line up along Highway 99W and down Deborah Road for hours until the drive-in opens. Hayes Street currently dead-ends at Deborah Road. Extension of this roadway has been a planned capital project and expediting this project would provide the theater the opportunity to relocate its entrance to Hayes Street and off of Hwy 99W.

Transportation Program Project Summary Sheet

TR-031 Bicycle Program

Annual Budget
\$30,000



A comprehensive bicycle program was established in 2011 to implement the policies and recommended improvements listed in the ADA/Pedestrian/Bike Route Improvement Plan. Annual funding will be allocated to complete a segment of the overall bike route plan and associated improvements, including printing updated maps and other project related costs. The first segment, Springbrook at Haworth to the skate park will be completed in 2011/12. N. Meridian from Fulton to Mountainview and around Joan Austin School has been proposed for 2012/13.

Bike Lane Improvement Plan

City of Newberg Public Works Department

CAPITAL IMPROVEMENT PROJECTS – WATER

While the Water Distribution System Plan outlines needed improvements to the overall water system, the Water Treatment Facilities Plan focuses on needed upgrades to the water treatment plant. The majority of the master plan work at the water treatment plant was completed in 2006.

The following 5-year project list was developed from the master plan and studies while considering the available funds and the priority of the various projects. Future revenue from funding sources may alter the timing and/or scope of the projects

<u>Projects</u>	<u>Timeframe</u>
Reservoir Improvements, Design & Const.	2011/16
Water Treatment Plant Property Purchase	2012/13
New Water Treatment Plant (15 mgd), Design	2015/16
Springs Water System Divestiture and/or Imp.	2011/13
Water System Master Plan Update	2015/16
Master Plan Identified Projects, Design and Const.	2015/16

Water Program

Project Summary Sheet

WA-003 Reservoir Improvements, Design & Construction

5-yr estimate
\$2,015,000

In the event of a major earthquake the City reservoirs could potentially be taken off-line and even destroyed. These are essential facilities that must be protected. A study of the existing conditions of both of the North Valley Road Reservoirs and the Corral Creek Road Reservoir was completed in 2011. Staff was able to complete some minor improvements to the chlorine mixing system identified in that study. The design and construction of the remaining structural (seismic) and operational repairs will be phased-in over the next five years. The two North Valley Road Reservoirs will be completed first followed by the Corral Creek Road Reservoir.



North Valley Road Reservoirs



Corral Creek Reservoir

Water Program

Project Summary Sheet

	<u>5-yr estimate</u>
WA-005 Water Treatment Plant Property Purchase	\$ 350,000
WA-014 New Water Treatment Plant – Design	\$2,000,000

The existing water treatment plant can not be further expanded as it is surrounded by active operations of the SP Newsprint plant. The City's ability to provide adequate potable water will soon be unable to meet growth demands. A piece of property on Wynooski Road is being considered as a potential new site. Suitability testing will still need to be performed. Design of the new plant is planned for 2015/16 which would allow the City to replace the 7.5 mgd plant with a new plant capable of 15 mgd.



Existing Water Treatment
Plant



Proposed Water Treatment Plant Property Purchase

Water Program

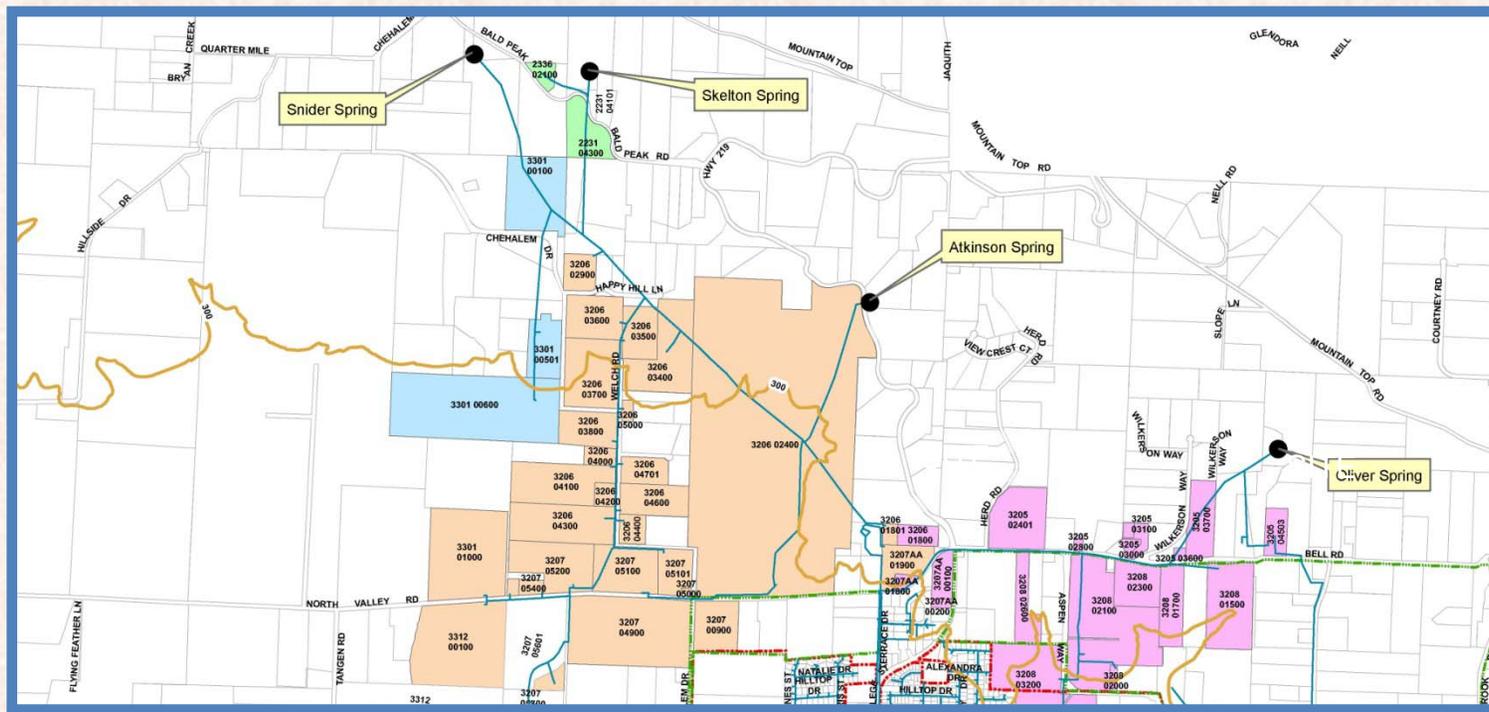
Project Summary Sheet

WA-007 Springs Water System Divestiture and/or Imp.

5-yr estimate

\$800,000

The City must comply with the State Drinking Water Program mandate to address the water quality distributed through the City's spring line. Improvements are currently needed to raise the PH of the water. The Public Works Operations Division is working on a solution to the PH problem. A presentation to Council will be scheduled in the next several months.



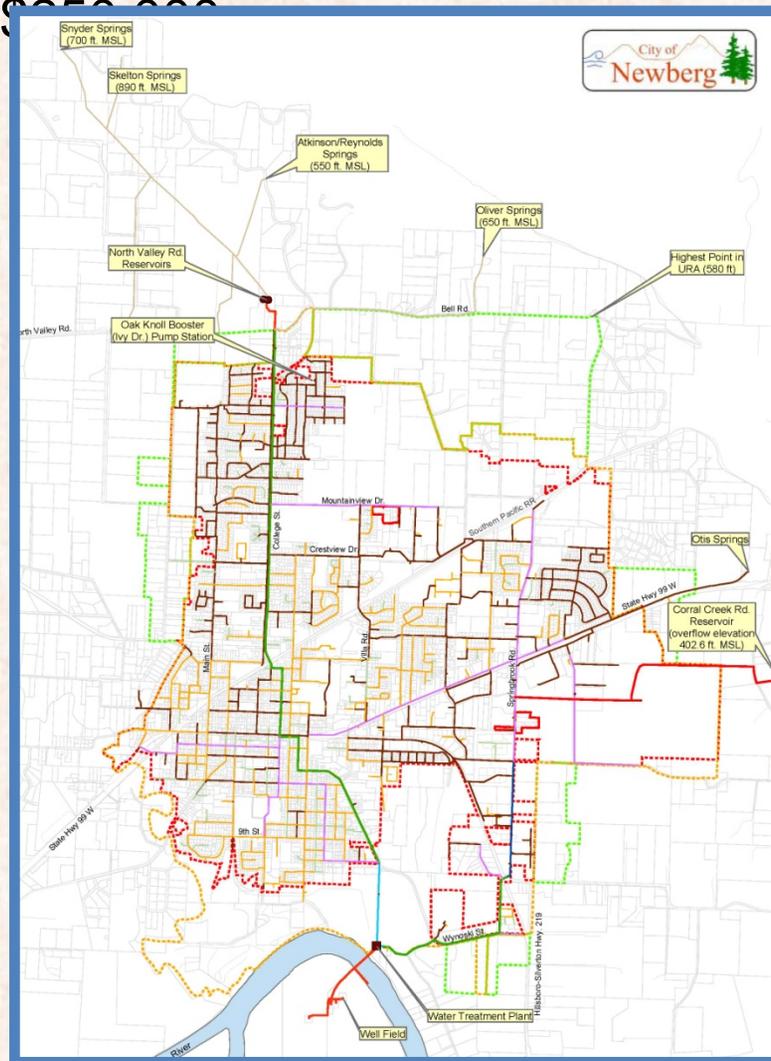
Springs Location Sketch

Water Program

Project Summary Sheet

5-yr estimate

WA-013 Water System Master Plan Update



2004 Water Distribution System Master Plan

Master plan documents are essential planning tools and must remain current. The City attempts to update their master plans every 10 years. The last water master plan was completed in 2004. The plan is proposed to be updated in fiscal year 2015/16.

SITE

SITE

Water Program

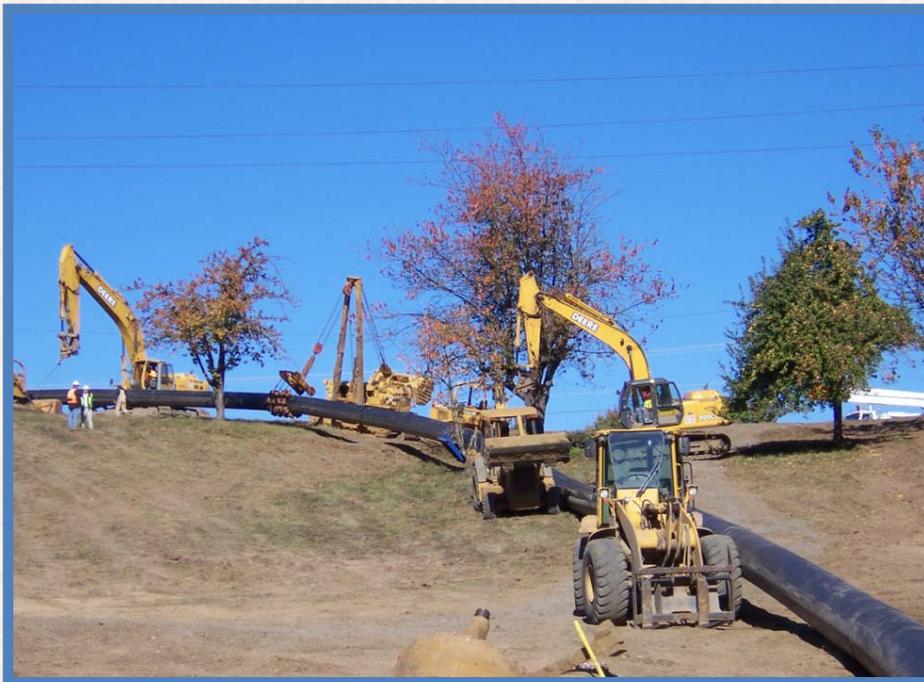
Project Summary Sheet

WA-009/10 Water Master Plan Identified Projects
Design and Construction

5-yr estimate

\$1,000,000

The Water Master Plan Update will prioritize a list of projects that need to be completed throughout the City. A budget of \$1,000,000 is proposed (after the Master Plan Update is completed) to design and construct a portion of the listed improvements based on priority and funding.



2006 Willamette River Crossing HDPE Pipe



2006 Well Field to WTP Mainline Installation

CAPITAL IMPROVEMENT PROJECTS – WASTEWATER

The Sewerage Master Plan Update outlines needed upgrades to the overall wastewater system. Most of the wastewater funding budget is allocated to the immediate needs of the plant. The necessary improvements are outlined in the 2007 Wastewater Treatment Plant Facilities Plan Update.

The following 5-year project list was developed from the master plan and studies while considering the available funds and the priority of the various projects. Future revenue from funding sources may alter the timing and/or scope of the projects.

<u>Projects</u>	<u>Timeframe</u>
Wynooski Road Pump Station Property Purchase	2012/13
Wastewater Treatment Plant Repair, Renovation & Expansion, Design and Construction	2011/16
Alice Way Local Improvement District (LID) (WW)	2014/15

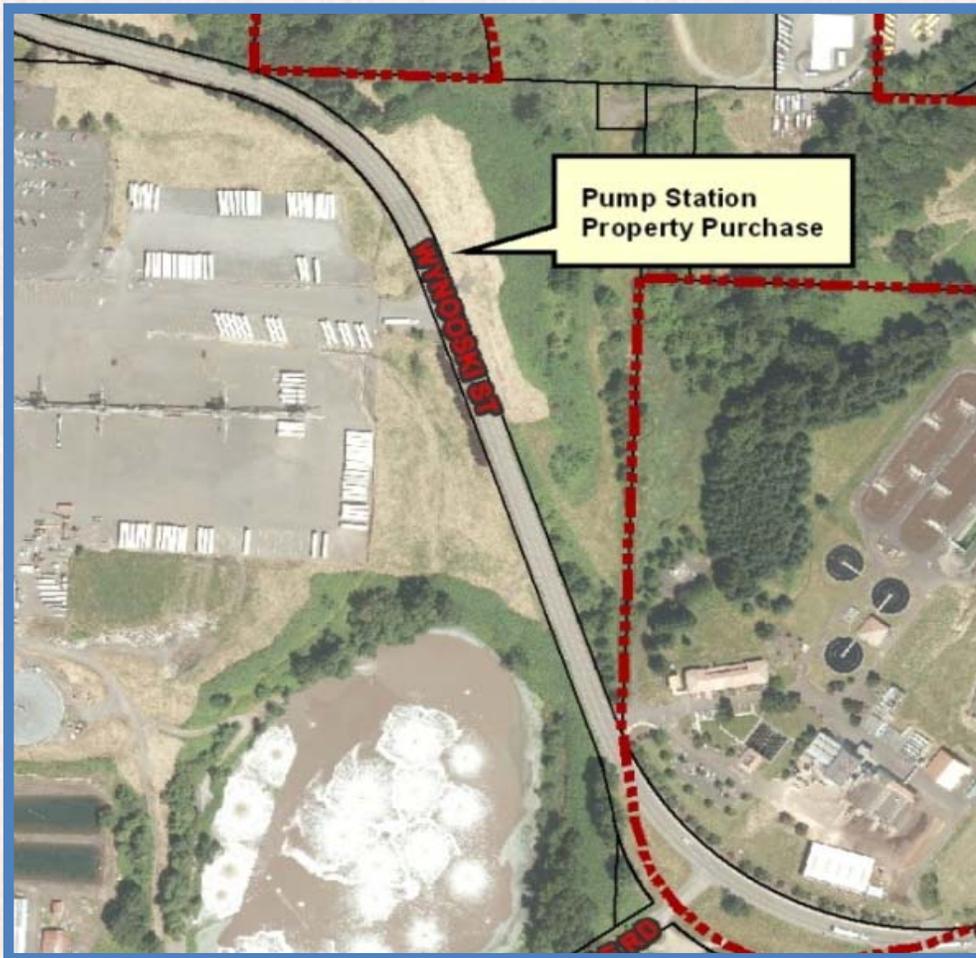
Wastewater Program

Project Summary Sheet

WW-001 Wynooski Road Pump Station Property Purchase

5-yr estimate

\$146,500



The Sewerage Master Plan and Wastewater Treatment Plant Facility Plan indicate that constructing an influent pump station at a new piece of property located along the Wynooski Road trunk line will be more cost effective than adding capacity to the existing influent pump station and it would qualify for potential Energy Trust funding. The acquisition of this property will afford the City the opportunity for future expansion of the influent pumping capacity to the Wastewater Treatment Plant.

Wastewater Program

Project Summary Sheet

WW-002/003 Wastewater Treatment Plant Repair, Renovation
& Expansion Design and Construction

5-yr estimate

\$32,000,000



The 2007 WWTP Facility Plan identified the need for significant repairs, renovations and expansion of the WWTP. The projects will be prioritized and phased over the next six years. The first four projects determined as highest priority are: adding a secondary clarifier, relocating the existing headworks, operational improvements to the existing influent pump station and a new energy efficient Wynooski pump station. After those projects are designed and constructed, the remaining process and facilities at the WWTP will be addressed.

Wastewater Program

Project Summary Sheet

WW-010 Alice Way Local Improvement District (WW)

5-yr estimate
\$250,000

Residents along Alice Way petitioned the City to provide water service to their homes so they could disconnect from the existing shared well. The City agreed to complete the waterline installation through an LID process. The sewerline improvements were also considered, however, staff recognized the significant cost savings by postponing the sewer portion until future development occurs in the area. That development would be required to bring the sewer main further down Mountainview Dr. closer to Alice Way. Staff expects that development to occur in the next five years, therefore, an estimate for the upfront costs and City share of the LID project must be budgeted.



Aerial Photography



Alice Way from (looking from Mountainview Road)

CAPITAL IMPROVEMENT PROJECTS – STORM DRAINAGE

The 2001 Drainage Master Plan Update is the only document that is used when planning for improvements to the overall stormwater drainage system. This document is severely outdated and needs to be updated. The stormwater budget will be allocated to updating this plan in 12/13. Future revenue from funding sources may alter the timing and/or scope of the projects.

Projects

Stormwater Master Plan Update
Master Plan Identified Projects

Timeframe

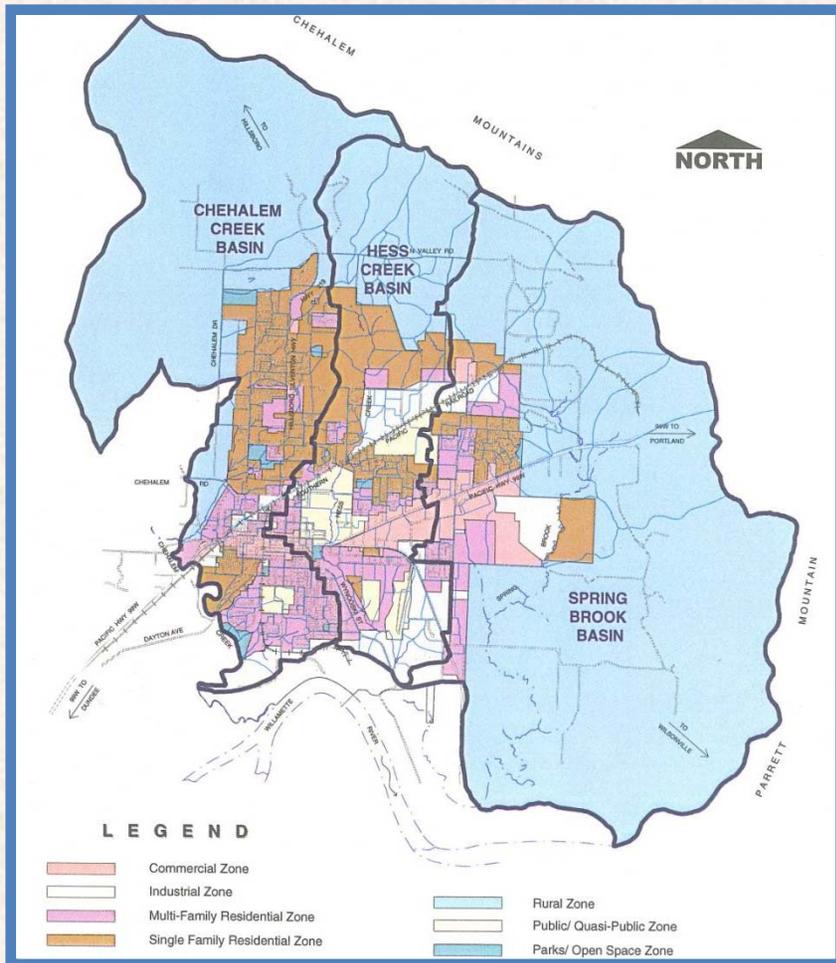
2012/13
2014/16

Stormwater Program

Project Summary Sheet

SD-012 Stormwater Master Plan Update

5-yr estimate
\$250,000



2001 Drainage Master Plan
Land Use Map

The City strives to update all master plan documents every 10 years. The last stormwater master plan was completed in 2001 and needs to be updated. The Stormwater Master Plan Update is planned to be completed in fiscal year 2012/13.

Amendment to stormwater quality and detention requirements in response to new state and federal rules and design and maintenance related policies will be included in the master plan update.

Stormwater Program

Project Summary Sheet

SD-013 Stormwater Master Plan Identified Projects

5-yr estimate
\$500,000

The Stormwater Master Plan Update will prioritize a list of projects that need to be completed throughout the City. A budget of \$250,000 is proposed annually (after the Master Plan Update) to complete design and construction of a portion of the listed improvements.



Villa Road Culvert Installation



Sandoz Road, Water Quality Swale (animal shelter)

PUBLIC WORKS ENGINEERING DIVISION

MULTI-FUNDED & SPECIAL PROJECTS

The following projects are mixed discipline capital improvement projects and/or special projects that are being managed by the public works engineering division.

Projects

North Springbrook Road Design and Construction
South Springbrook Road Design and Construction
Newberg Animal Shelter
Fire Station 20 Remodel

Timeframe

2012/15
2014/15
2011/13
2011/13

Multi-Funded & Special Projects Program

Project Summary Sheet

AD-004	North Springbrook Road Design and Construction	<u>5-yr estimate</u> \$590,000
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North Springbrook Road Aerial Photograph

To accommodate future development, the existing utility mainlines will need to be upsized along Springbrook Road from Haworth Avenue to Middlebrook Drive. The utility work (water, sewer, and storm pipe upsizing, and the installation of a reuse waterline) should be coordinated with the future street improvement. The budgeted amount is for the storm drainage work only. Additional funds will be needed to complete the other utilities.

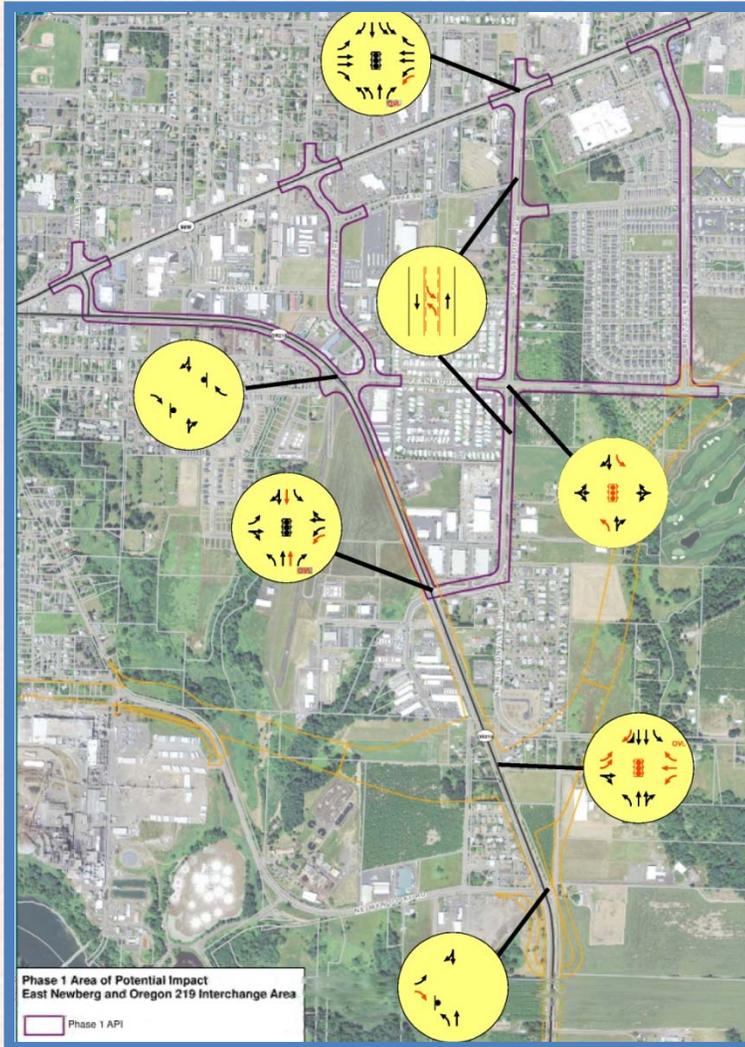
Multi-Funded & Special Projects Program

Project Summary Sheet

AD-010 South Springbrook Road Design and Construction

5-yr estimate

\$4,325,000



Newberg-Dundee Bypass Plan, Springbrook Ph-1

ODOT plans to improve Springbrook Road south of 99W for access to the Newberg-Dundee Bypass at its first phase. The City needs to improve its utilities under this portion of Springbrook Road that connects Highway 99W south to Highway 219 in advance of ODOT's work. The City's water, reclaimed water, and wastewater pipe conveyance systems will be designed and installed or upsized in 2012/15. ODOT's roadway work includes stormwater conveyance, water quality, and detention.

Multi-Funded & Special Projects Program

Project Summary Sheet

AD-005 Newberg Animal Shelter

5-yr estimate

\$637,000

The existing sub-standard animal shelter on Blaine Street needs to be upgraded. The facility is not appropriate for adoptions and other ancillary shelter functions. A modern animal shelter design, approved by Newberg Animal Shelter Friends, was completed in 2011. Construction efforts will be phased. The current funding allows for the building shell concept which includes a parking facility and utilities to the building.



Existing Animal Shelter



Proposed Animal Shelter

Multi-Funded & Special Projects Program

Project Summary Sheet

AD-006 Fire Station 20 Remodel

5-yr estimate

\$764,225



Architect
sketch of the
new entrance
to Fire
Station #20

The Fire Department was awarded a grant through the American Recovery and Reinvestment Act (ARRA) to fully fund the much needed improvements to the existing fire station on Second Street. The project will address firefighter health and safety concerns as well as provide additional space to increase staffing. The proposed improvements include providing diesel exhaust cleaning systems, additional bunk rooms, physical training room, HVAC improvements, enclosing the turnout gear, updating the kitchen and replacing outdated surfaces throughout the building.

City of Newberg Public Works Department