



CAPITAL IMPROVEMENT PLAN

2022 - 2027



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Introduction

The Capital Improvement Program (CIP) of the City of Lebanon is a planning tool intended to help prioritize, identify, arrange financing, and allow for timely technical design and application of projects and programs to better serve the citizens of Lebanon. Generally, the projects identified in this document have a significant impact on the City's infrastructure and are intended to help the City provide better and timely services.

This document is a "snapshot" representing a 5-year period of the Capital Improvement Program. Each year, this document is updated to represent the next 5-year window. Completed projects and projects scheduled to be completed before the end of the fiscal year are dropped from the document, new projects are added, and other projects may be reprioritized.

The Capital Improvement Program is directly linked to the budget process, land-use and facility planning documents, coordination with the State, County and other local municipalities. The Lebanon City Council also provides input and direction towards the proposed scheduling or reprioritization of projects and their targeted completion.

The CIP document is divided into five sections. Each section details projects by function. Those sections are: Transportation, Wastewater, Water, Storm Drainage, and Facility & Parks. Each section of the CIP document lists, in order of priority, the project and when it is proposed to be completed within the next 5 years.

The section also identifies possible funds and lists the year each project is targeted for construction. Each proposed project is described in detail on individual pages within its section. Each section also lists future projects not yet included in the 5-year CIP document window. These projects are identified to allow for long term planning and prioritization of resources. At conclusion each section is a list of projects completed within the past 5 years. This allows for tracking accomplishments and recognizing trends of how resources have been allocated.

Financing Summary

There are various of ways to finance the City's capital improvement projects. While reviewing this Capital Improvement Program, an important point to note is that the current income is not adequate to fund current programs and finance the public facilities recommended for construction during the next 5-years and beyond. A central theme found in these recommendations is that, whenever possible, users or persons benefiting from public facilities should pay a major portion of the capital costs. This dictates changes in policies, increases in fees and charges, and that new sources of revenue are essential if the proposed infrastructure and facilities are to be constructed as recommended in this document.

Fund Numbers and Descriptions

In most cases the amount of money available from a Fund number, or the combined total of different Fund numbers, determines which projects will be able to be designed and constructed. For instance, Wastewater Fund revenues can only be spent on wastewater projects. The same is true for all dedicated revenue generated funds, such as the Water Fund, Streets Fund, and the Parks Fund. The income each of these funds receive must be spent for the infrastructure or facility for which the fund was created. On the following pages are descriptions of the funding sources available to finance projects in this plan.

Parks & Facilities Funds

Fund 862 - SDC Park Improvements:

Parks Systems Development Charges, paid by all new property development in the city, go into the Parks SDC Fund. The City may use the funds for land acquisition and purchase, installation and maintenance of park recreation equipment, landscaping, restroom facilities, improvements, lighting and irrigation.

The current SDC fee structure was adopted in August of 2005. As required by ORS 223.309(1), projects eligible for funding are limited to capacity increasing projects specifically included in the Parks SDC System Plan, Parks Master Plan, or the CIP Plan.

Fund 863 - SDC Park Reimbursement:

An SDC reimbursement fee is a charge for costs associated with capital improvements already constructed, or under constructed when the fee was established and for which capacity beyond the baseline improvement is required to meet anticipated growth. The restrictions placed on Reimbursement proceeds are less restrictive than on Improvement proceeds. Reimbursement proceeds can be spent on any capital improvement associated with the system for which the fee was collected regardless of its inclusion in an approved plan.

Storm Drainage Funds

Fund 450 - Storm Drainage CIP:

This fund accounts for the revenue generated from the storm drainage utility fee. The Lebanon City Council approved implementation of a Storm Drainage Utility beginning fiscal year 2010/2011. This fund will be responsible for maintenance/replacement of the existing storm water collection system, managing new environmental regulations being imposed by the Department of Environmental Quality, and to begin funding Storm Drainage Capital needs.

Fund 852 - SDC Storm Drainage Improvements:

Drainage Systems Development Charges, paid by all property development in the city, go into the Drainage SDC Fund which was adopted in August of 2005. In accordance with ORS 223.309 (1), projects eligible for funding are limited to capacity increasing projects specifically included in the Storm Drainage SDC System plan, Storm Drainage Master Plan, or the CIP plan.

The City may use the funds for right-of-way and easement acquisition; purchase, maintenance, and installation of storm mainline, curb inlets, catch basins, manholes, junction boxes, culverts and bridges; the rebuilding and replacement of dry wells; the construction of drainage ditches and swales; and for drainage studies, aerial mapping and like work related to drainage.

Fund 853 - SDC Storm Drainage Reimbursement:

An SDC reimbursement fee is a charge for costs associated with capital improvements already constructed, or under constructed when the fee was established and for which capacity beyond the baseline improvement is required to meet anticipated growth. The restrictions placed on Reimbursement proceeds are less restrictive than on Improvement proceeds. Reimbursement proceeds can be spent on any capital improvement associated with the system for which the fee was collected regardless of its inclusion in an approved plan.

Transportation Funds

Fund 550 - State Foot and Bike Path:

This fund number was originally created to administer revenues from the state gas tax to finance qualified foot and bike path projects. Presently, Fund 550 dollars are used on any project(s) with pedestrian and bikeway improvements.

Fund 558 - Street:

This fund receives revenue generated from the state gas tax. Fund 558 primarily pays for the maintenance of: gravel streets and alleys, street patching, curb repair, sidewalk repair, and has paid for replacement of street, curb, and/or sidewalk.

The Streets Fund is also responsible for repair and maintenance of all street signs, pavement delineators, and pavement striping. Striping maintenance includes the repainting, or replacement of: center line striping, left turn refuge lines, yellow “No Parking” curb, bike lanes, fog lines, crosswalks, stop bars, and pavement symbols.

Fund 840 - Street CIP:

The Street Capital Improvement Project Fund was established to receive funds designated for street improvements such as overlays, slurry seals, and crack sealing of City streets. The intent of the street improvement program is to extend the life of the existing City streets and prevent costly reconstruction. Streets targeted for service life extension funds are prioritized based on the Asphalt Pavement Rating system.

Federal Grant funds are available annually through the Surface Transportation Program (STP). The Oregon Department of Transportation (ODOT) manages a program to exchange the Federal Grant STP funds for State funds. This permits the City of Lebanon to finance to a broader range of transportation uses (vehicles, pedestrians, and bicycles) without the burden of the administrative requirements for use of the Federal Grant STP funds.

Fund 882 – Street SDC Improvement:

As the city develops, a larger or updated transportation system is required to handle the anticipated traffic volume increase. The residents and developers of Lebanon pay for the current and future street system through a System Development Charge (SDC). The Street SDC is a portion of the total SDC fee paid by all property owners with a new utility (water, wastewater, & storm) connection for residential, commercial, and industrial development in Lebanon.

Monies collected for this funding source assist the construction of street improvements required to handle the growing increase of users to the City’s transportation system. The current Street SDC fee methodology was renewed in November of 2021. As required by ORS 223.309 (1), projects eligible for funding are limited to those projects specifically included in the Street SDC System Plan, Transportation System Plan, or this CIP document.

Fund 883 - Street SDC Reimbursement:

As stated above concerning SDC funds, collected SDC funds can also be used as a means of Reimbursement for commercial/industrial developments whose transportation system requirements are oversized beyond the current transportation system. The extra cost to construct the oversized street utility by the developer due to growth requirements can be reimbursed and the SDC funds collected as additional development occurs within the same area/street are applied to this funding source.

Lebanon's Urban Renewal Districts

Fund 925 - Northwest URD: Fund 935 - Cheadle Lake URD: Fund 940 - Gateway URD:

Active Urban Renewal Districts must issue a short-term debt in the amount of the property taxes, track it as income from bond sale proceeds in the operating fund, and have a separate fund to collect the property taxes for repayment of the debt. Historically, Urban Renewal Districts collected and spent property taxes in the same manner as any tax collection fund. Oregon statutes for Urban Renewals now require that debt be issued to collect any property tax revenues.

The Northwest, Cheadle Lake, and Gateway URDs are still active sources of funding for the City of Lebanon. They each provide funds for the construction of infrastructure to serve either industrially zoned "shovel ready" property within the Northwest URD to supporting public use facilities at Cheadle Lake to the removal of "eye-sore" areas and general improvements in the overall appearance and function of the Gateway district.

Wastewater Funds

Fund 470 - Wastewater Utility:

This fund accounts and budgets for the operational costs of administrating and running the wastewater collection and treatment system. Fund 470 dollars are shared by smaller programs within the Wastewater Utility. Those programs are:

Sanitary Sewer Replacement Program - for replacing deteriorated wastewater mainline pipes which require excessive maintenance or pipes that may not last the current CIP plan of 5 years.

Inflow & Infiltration Program - the ongoing effort of the City to alleviate ground water inflow and infiltration in the sanitary system manholes.

Sewer and Lateral Repair - the replacement of small lengths of sewer mains and sanitary sewer lateral repair or replacement.

Wastewater Utility CIP - the purpose of the Wastewater Utility Capital Improvement Program (CIP) is to fund projects identified by the City of Lebanon's Wastewater System Master Plan and comprehensive Capital Improvement Program. These projects provide improvements and rehabilitation necessary to maintain current levels of service to customers, meet new regulatory requirements, and allow for growth and property development.

Fund 872 - SDC Wastewater Improvement:

Sewer System Development Charges are paid by all new development in the city and go into the Sewer SDC fund. The City may use these funds "for no other purpose than extra capacity facilities". Examples of possible uses are planning, design, and construction of new collection facilities, pumping stations, and treatment plants. As required by the new law, projects eligible for funding are limited to those specifically included in the sewer SDC system plan.

The current SDC fee structure was adopted in August of 2005. As required by ORS 223.309 (1), projects eligible for funding are limited to capacity increasing projects specifically included in the Wastewater SDC System plan, Wastewater Master Plan, or the CIP plan.

Fund 873 - SDC Wastewater Reimbursement:

An SDC Reimbursement Fee is for repayment of funds associated with capital improvements already constructed, or under construction when the fee was established, in which capacity beyond the baseline improvement (like oversizing a sanitary main) is required to meet anticipated growth. The restrictions placed on Reimbursement proceeds are less restrictive than on Improvement proceeds. Reimbursement proceeds can be spent on any capital improvement associated with the system for which the fee was collected regardless of its inclusion in an approved plan.

Water Funds

Fund 430 - Water Utility:

Water service revenues from utility bills provide the capital necessary to help fund our major water system improvements and facility plan projects. The proceeds from the Water Utility Fund contribute to the construction of projects as identified by the Water System Master Plan and the CIP document.

Fund 892 - SDC Water Improvements:

Continuing growth of Lebanon's commercial and residential zones require parallel growth of the City's water system for treatment, distribution, and storage. The funds generated by a Water System Development Charge (a one-time fee paid by property owners or developers) can be used for those items as well as planning, engineering, and construction of expanded facilities to serve that growth.

The current SDC fee structure was adopted in August of 2005. As required by ORS 223.309 (1), projects eligible for funding are limited to capacity increasing (pipe size greater than minimum) projects specifically included in the Water SDC System plan, Water Master Plan, or the CIP document.

Fund 893 - SDC Water Reimbursement:

An SDC Reimbursement Fee is for repayment of funds associated with capital improvements already constructed, or under construction when the fee was established, in which capacity beyond the baseline improvement (like oversizing a water main) is required to meet anticipated growth.

The restrictions placed on Reimbursement proceeds are less restrictive than on Improvement proceeds. Reimbursement proceeds can be spent on any capital improvement associated with the system for which the fee was collected regardless of its inclusion in an approved plan.

Project Cost Summary

Project Name	2022-23	2023-24	2024-25	2025-26	2026-27
Parks & Facilities - Funds 862, 863 & Grant Funds					
South Shore Trail	\$363,000				
*Cheadle Lake Regional Park					\$2,500,000
*Ralston Park					\$700,000
*New City Hall					\$17,000,000
*New Senior Center					\$8,000,000
Storm Drainage - Funds 450, 852 & 853					
Storm Drainage Master Plan Update	\$100,000				
7 th Street Reconstruction – Oak Street to F Street		\$450,000			
Cedar Drive Storm Drainage				\$750,000	
*Ralston Drive, Harmony Street & Garvord Street					\$1,300,000
Transportation - Funds 550, 558, 570, 840, 882, 925, 935, 940 & 945					
Street Preservation Program	\$190,000	\$190,000	\$190,000	\$190,000	\$190,000
Bridge Maintenance Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Walker Road Rebuild (Stoltz to 6th)	\$1,000,000				
Stoltz Hill & Airport Road Signal	\$1,000,000				
Dewey Street & Hwy 20 Realignment		\$1,500,000			
7 th Street Reconstruction – Oak Street to F Street		\$1,200,000			
N 5 th Street – Tangent Street to Mary Street		\$2,100,000			
*Reeves Parkway and HWY 20 Signal					\$1,500,000
*River Street Improvements					\$100,000
*7 th Street Improvements - 'E' to Airport					\$1,500,000
*Tangent Street Widening					\$1,950,000
*Cedar Drive Improvements – S Main to Acorn					\$1,500,000
Wastewater - Funds 470, 872 & 873					
Sanitary Sewer Replacement Program	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
Wastewater System Master Plan Update	\$550,000				
Westside Interceptor Phase V-A	\$9,000,000				
Westside Interceptor Phase V-B	\$11,500,000				
7 th Street Reconstruction – Oak Street to F Street		\$500,000			
WWTP Bio-Solids Improvements			\$10,000,000		
*Downtown Sewer Separation Phase III					\$1,000,000
*WWTP Upgrades via WWTP Master Plan					\$5,000,000
Water - Funds 430, 892 & 893					
Priority Waterline Replacement	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Demo 2 nd Street WTP	\$500,000				
Walker Road Mainline Replacement (Stoltz to 6th)	\$750,000				
7 th Street Mainline Replacement – Oak to F		\$800,000			
Hwy 20 Main Replacement (Airport to Division)				\$1,500,000	
*7 th Street Mainline Installation (Kees to Wassom)					\$400,000
*Grant Street Reservoir Upgrades					\$850,000

***Future Project**

THE CITY THAT FRIENDLINESS BUILT

PARKS & FACILITIES

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Parks & Facilities

Parks provide the citizens of Lebanon with places for relaxation for individuals or activities for their family. Lebanon parks enhance existing neighborhoods and provide a place for family outings and general summer recreation. These areas are experiencing increased usage from adjacent neighborhoods and civic organizations. Development, expansion, and maintenance of the park system is of great importance to the City of Lebanon.

In 2006, the City Council adopted the Parks Master Plan and in 2009 the Trails Strategic Plan. These Master Plans guide the City's investment in park improvement, trail acquisition, facility renovation, and facility improvements. Park projects are funded through a mix of funds ranging from outside grants, private donations, parks system development charges, and the parks annual operating funds. Park improvement and expansion projects must compete with other needs within the City for funds from the general fund.

Many of the other needs include mandated projects or projects that meet a high priority for the citizens of Lebanon. Projects from the adopted Master Plans are included in this plan. These projects will continue to enhance the parks and recreation system and will be funded as development continues to grow, and more funding is available in the budget. Staff has begun the process to update the Parks Master Plan.

South Shore Trail

Project Year: 2022-2023

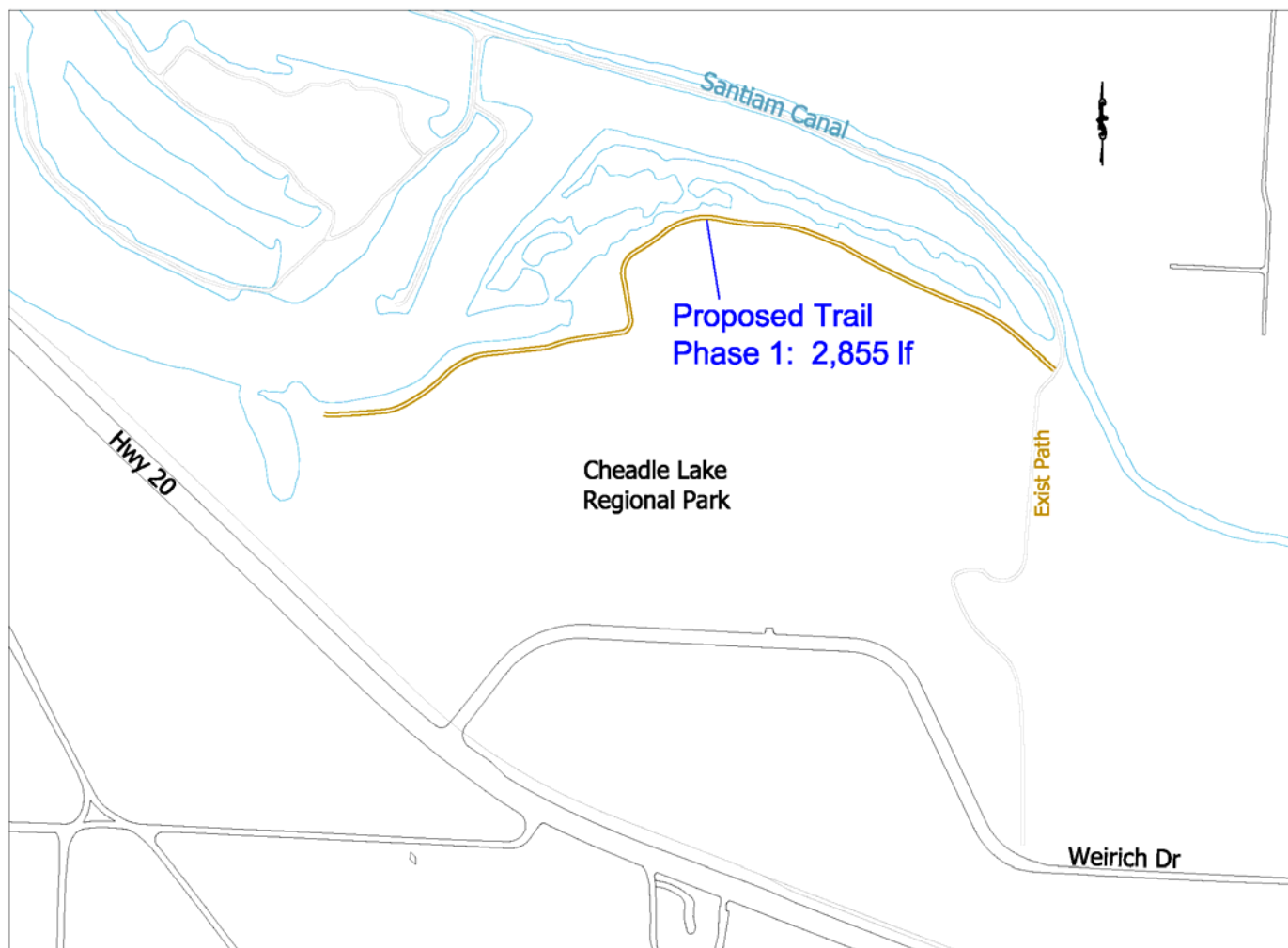
Submitted By: City Staff

Description: In July of 2021, the Oregon Legislature voted on the proposed projects within the state that would be funded with CSFRF. The South Shore Trail Project was approved by the Legislature to receive \$325,000 in CSFRF. Build Lebanon Trails is contributing \$38,000 to the project and City Staff will be completing the design and construction inspection.

The project design, permitting and easement acquisition is estimated to being in the spring of 2022 with construction scheduled for 2023.

Projected Budget: \$363,000

Proposed Funding: Coronavirus State Fiscal Recovery Fund Grant



Cheadle Lake Regional Park

Project Year: Future

Submitted By: Parks Master Plan

Description: The long-range improvements for the Cheadle Lake Regional Park include an amphitheater, campsites, ball fields, and recreation center. Currently the park accommodates the annual Strawberry Festival and Star-Spangled Celebration along with other festivals and outdoor concerts. Youth soccer fields are in place and see regular use on the western end of the property.

Projected Budget: 2,500,000

Proposed Funding: System Development Charges, Grants, Foundations & Donations



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Ralston Park

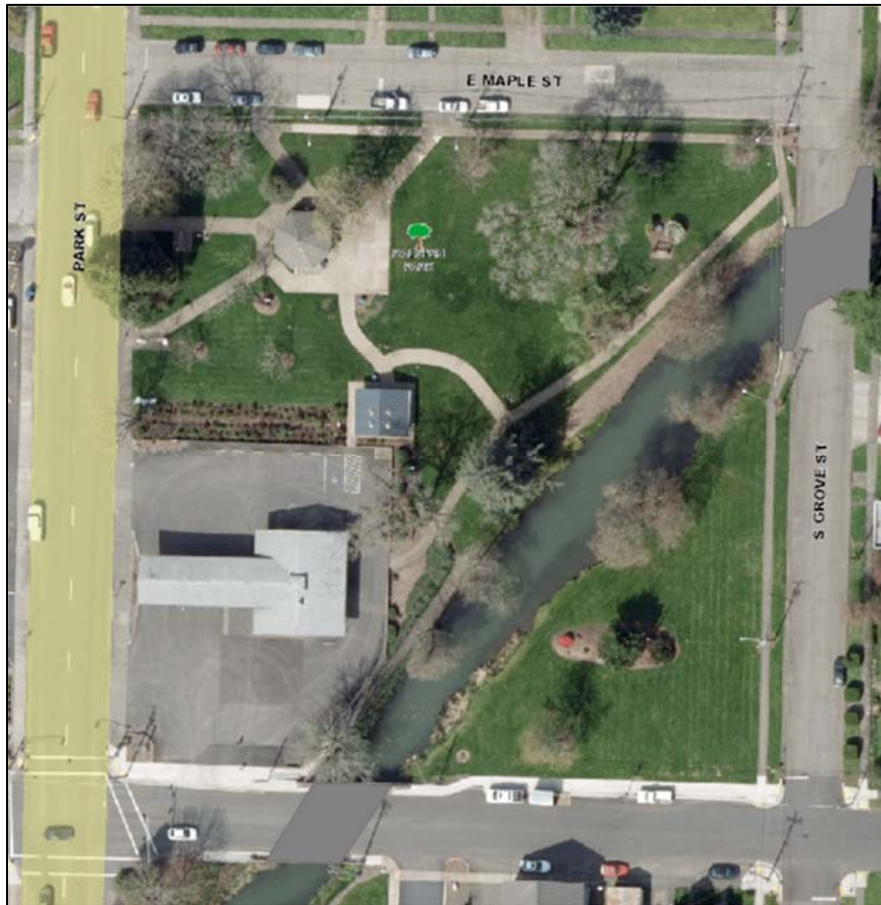
Project Year: Future

Submitted By: Parks Master Plan

Description: Ralston Park hosts several small events in addition to Lebanon’s National Night Out and Concerts in the Park. This well-established Neighborhood Park has serviced a growing population and needs improvement to meet the current and future demands.

Projected Budget: \$700,000

Proposed Funding: System Development Charges, Grants, Foundations & Donations



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City Hall

Project Year: Future

Submitted By: City Staff

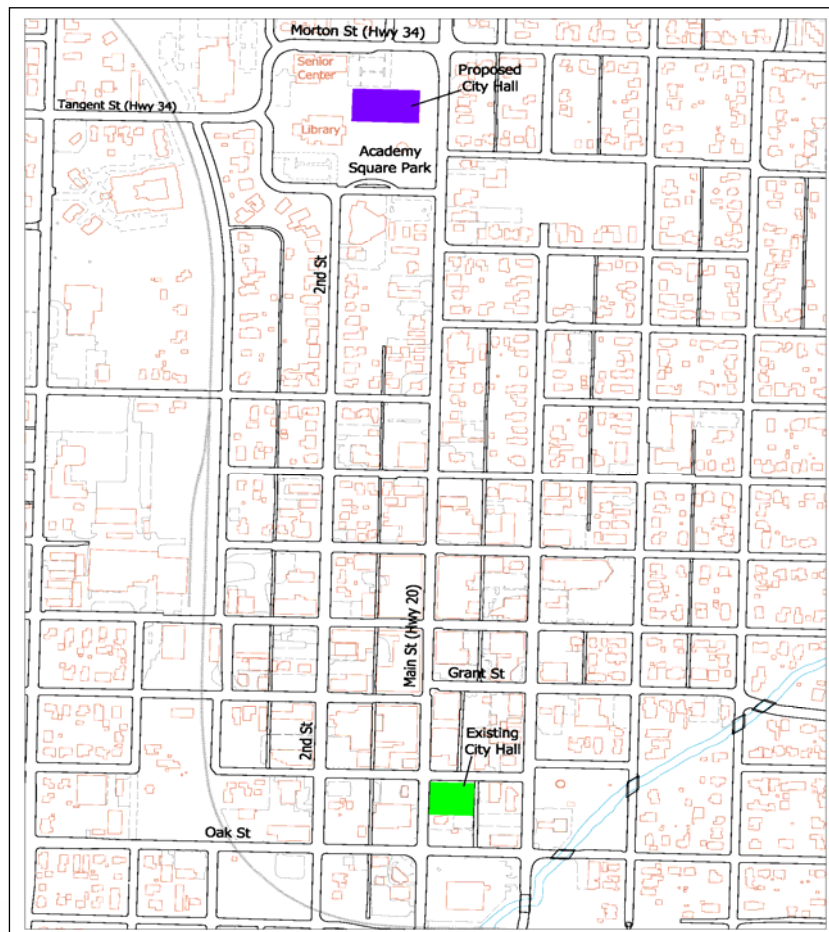
Description: The existing City Hall was originally constructed in the early 1900's as a bank. Later, a two-story fire station was added at the east end of the building as a separate free-standing structure. At some point, jail cells were added plus the two structures were joined to function as both the Police Station and City Hall.

A structural investigation was conducted in 2006 to assess the stability and safety of the building. The report highlighted significant wind, seismic and framing deficiencies.

A new City Hall is proposed within this CIP planning cycle to help begin the discussion, planning and funding strategies for the replacement of the existing City Hall. The updated Facility Master Plan locates the new City Hall at Academy Square. A work session with City Council was held in January 2022 to discuss preliminary design, cost estimate and along with the possibility of combining the City Hall with a new Senior Center.

Projected Budget: \$16,000,000 to \$17,000,000

Proposed Funding: Fund 940- North Gateway URD



Senior Center

Project Year: Future

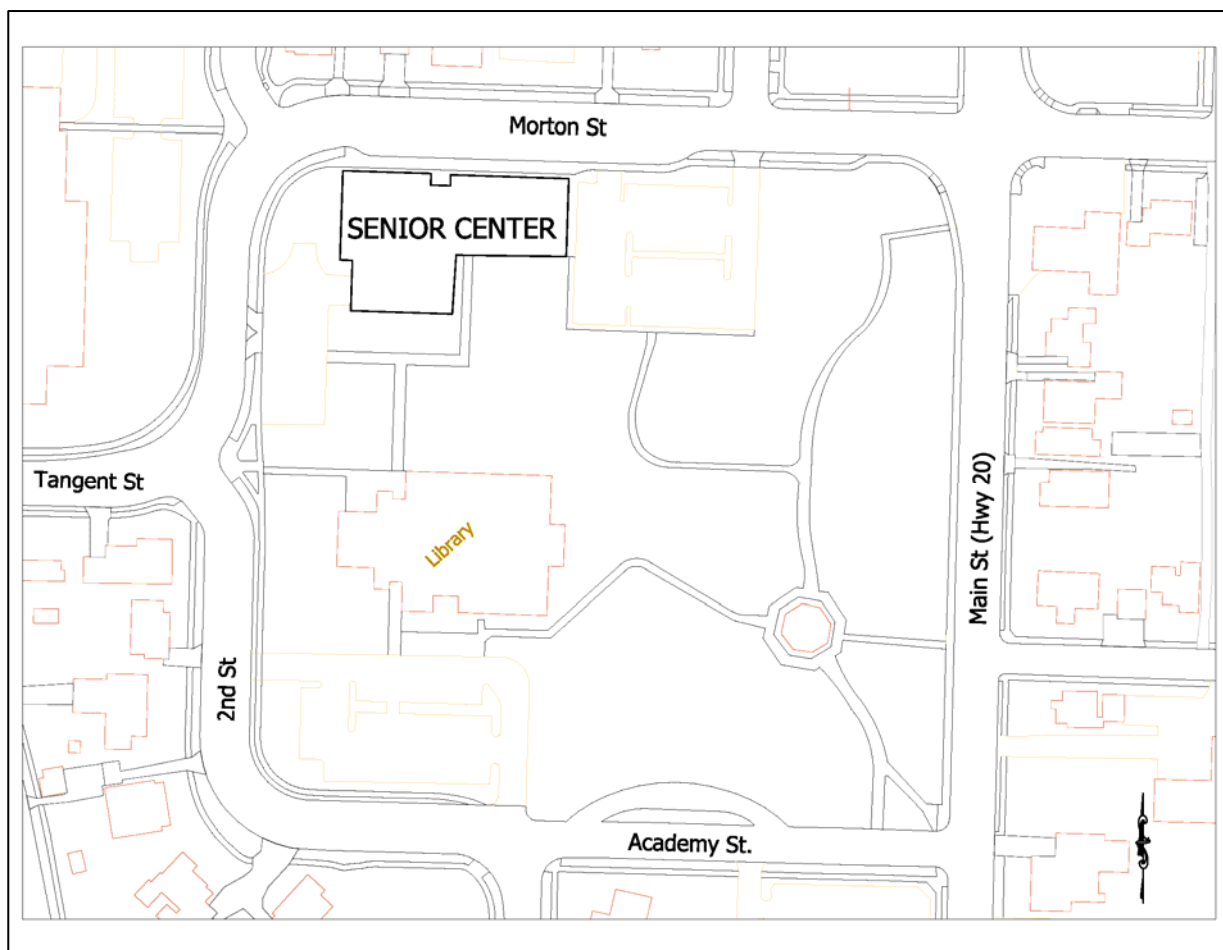
Submitted By: City Staff

Description: One of the projects associated with the North Gateway Urban Renewal Plan included upgrades to the existing Senior Center Building. Upgrades include a kitchen remodel, addition of windows for natural lighting, a new exercise room, and various other upgrades to the building.

A study/preliminary design and cost estimate was completed in December of 2021. This study identified the costs associated with the potential remodel as well as cost to either build a new Senior Center or combine the building with a new City Hall. A final determination will be made at a future date once the overall finance strategy has been established. The costing below is for the remodel price only

Projected Budget: \$8,000,000

Proposed Funding: Fund 940- North Gateway URD



THE CITY THAT FRIENDLINESS BUILT

CIP Park and Facility Accomplishments

2018 PARK IMPROVEMENTS

MARKS SLOUGH, Tennessee Connector

This work completed the installation of a 10-foot wide asphalt path beginning at Tennessee Road and Beaton Lane which then proceeds north, parallel to Tennessee Road, to the parking lot/trailhead.

WEST RIVER TRAIL, Riverview to River Dr

This work paved a portion of the existing West River Trail and extended the trail to intersect with the southern/eastern portion of Mountain River Drive as the trail winds its way to River Drive and the Cheadle Lake Boat Ramp.

RUSSELL /RIVER PATHWAY, Franklin to Cheadle Lake

Continued the extension of the 10ft-8ft wide sidewalk and pathway along the newly improved Russell Drive and River Drive from Franklin Street to the Cheadle Lake Boat Ramp.

PORTER PARK COMMUNITY GARDEN

Improvements for this construction season saw the installation of the restroom, park lights, stone and cedar (ADA useable) planter boxes and at-grade gardening plots. Other items completed include the installation of irrigation, hose bibs, compost bins, and sidewalk.

CENTURY PARK

Demolition of the former club house/pre-K building and the installation of an ADA ramp along 6th Street has been completed during this round of upgrades.

2019 PARK IMPROVEMENTS

PORTER PARK COMMUNITY GARDEN

Improvements for the 2018-19 construction season saw the installation of a parking lot, chain-link fencing and gates, planting of lawns and trees, placement of bark mulch, erection of a park shelter, and completion of sidewalk.

CHEADLE LAKE – WEST RIVER CONNECTOR TRAIL

With generous donations, footpath grants, and concentrated efforts from the City of Lebanon Operations staff, the trail connecting the West River Trail and the Cheadle Lake Trail has been completed. With trailheads at River Park, Mountain River Development Park, Cheadle Lake Boat Launch, and Weirich Road, this connection provides over 2.25 miles of hard surface trail for Lebanon’s citizens and visitors.

2021 PARK IMPROVEMENTS

WESTRIVER TRAIL: Gills Landing – Riverview Park

At the helm of this trail’s construction (4,000-feet) was the Build Lebanon Trails (BLT) group who took the City’s design and field modified it to fit the landscape and needs of anticipated hikers. Construction was performed and/or donated by Rick Franklin (A.E.R.C.), Sullivan Construction, Briese Custom Concrete, and local electrical contractors.

THE CITY THAT FRIENDLINESS BUILT

STORM DRAINAGE SYSTEM

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Storm Drainage System

During Lebanon rain events the storm collection and conveyance system must provide street and ditch drainage in a safe and efficient manner that protects against flooding while also minimizing regulated environmental impacts.

One of the challenges the City faces is meeting stringent regulatory rain and storm run-off requirements mandated by the Environmental Protection Agency (EPA) and the Oregon Department of Environmental Quality (DEQ).

One of those mandated requirements is complying with the Willamette River Total Maximum Daily Load (TMDL). To pass the requirements of the TMDL plan, the City has made significant changes to our stormwater management practices over the last several years as identified in the TMDL plan.

Historically, the only source of funding available for the CIP Storm System was a transfer from the Street Maintenance budget. In 2010, a Storm Drainage Utility was implemented which is currently generating approximately \$400,000 per year to the storm drainage fund.

This revenue provides funding for maintenance and capital improvements necessary to maintain the regulatory requirements of rain and storm run-off. Although the Storm Drainage Utility is a step in the right direction, it does not provide adequate funding necessary to provide all the improvements required by EPA and DEQ. City staff will be working towards changing the method rates are charged to an all Equivalent Service Unit (ESU) basis.

Storm Drainage Master Plan Update

Project Year: 2021-2022

Submitted By: Storm Master Plan

Description: This project will develop a new Storm Drainage Master Plan. The current master plan was developed in 1991 by David J. Newton Associates, Inc. The new Master Plan will help further identify problem areas and provide solutions to system improvements required to ensure the safe and effective transport and disposal of stormwater runoff.

Projected Budget: \$100,000

Proposed Funding: Fund 450 – Storm Drainage CIP

7th Street Reconstruction – Oak to “F” Street

PROJECT YEARS: 2023-2024

SUBMITTED BY: City Staff

DESCRIPTION: This project proposes to replace the existing city standard street the length of 7th Street between Oak & ‘F’ Street. Proposed storm drainage improvements will remove and relocate gutter inlets, add new gutter inlets along 7th, and install new main pipe from ‘D’ St. to ‘F’ Street.

PROJECTED BUDGET: 450,000

PROPOSED FUNDING: 450 – Storm Drainage CIP



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Cedar Drive Storm Drainage

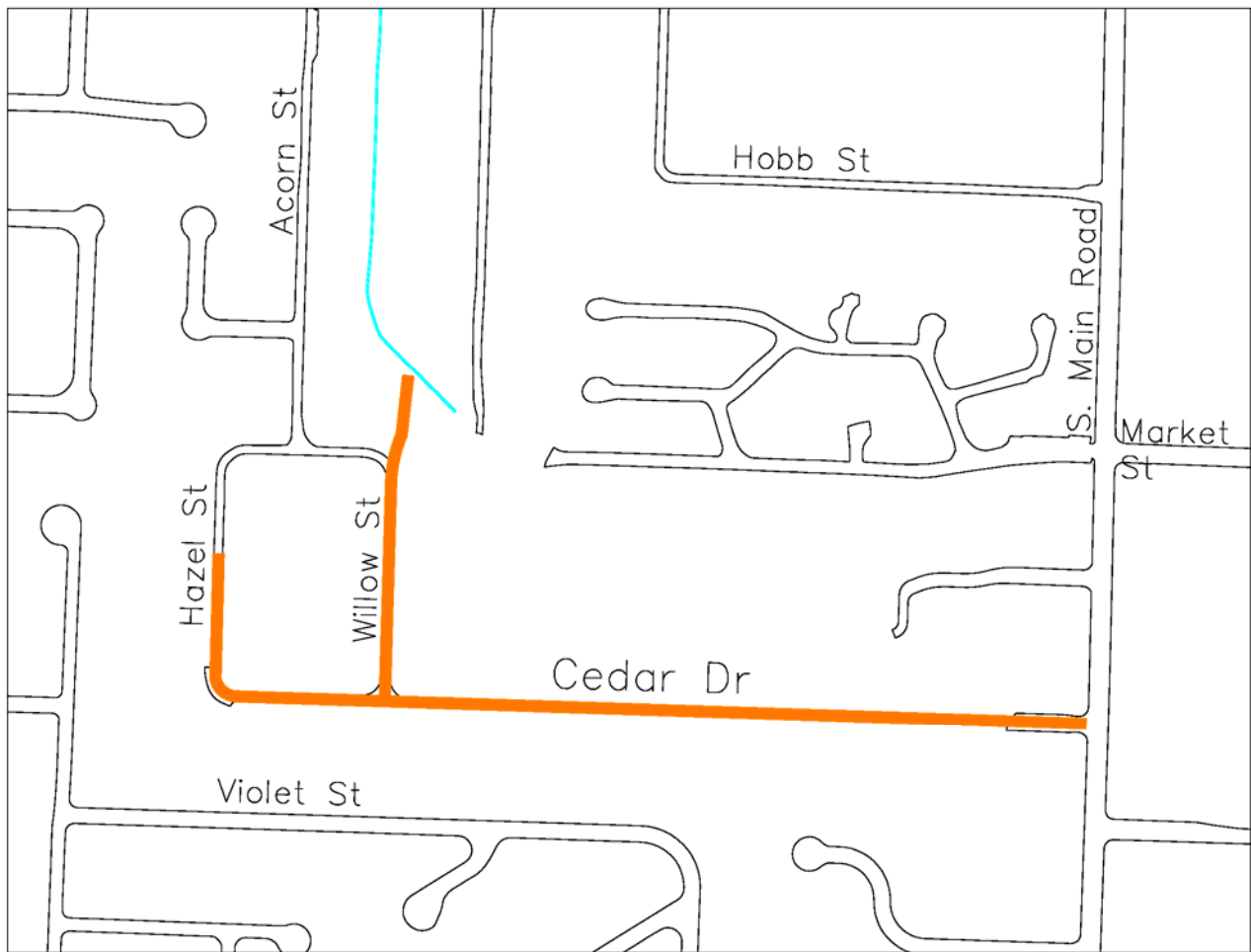
Project Year: 2025-2026

Submitted By: Storm Master Plan

Description: In conjunction with the proposed street and water improvements, the storm runoff collection and transfer system will be improved to divert the area flow to Burkhart Creek system.

Projected Budget: \$750,000

Proposed Funding: Fund 450 – Storm Drainage CIP



Ralston Drive, Harmony Street and Garvord Street Storm Drainage

Project Year: Future

Submitted By: Storm Master Plan

Description: The storm drainage in the Ralston/Milton area does not have a natural outlet. When the area was developed during the 1960 and 1970 stormwater runoff was discharged directly to the subsurface via infiltration basins and infiltration galleries. This has proven to be marginally effective throughout the years. The major issue has been environmental regulations requiring the increased treatment of the runoff before infiltrating into the groundwater.

This project will replace the existing pipes and dry well/UIC (Underground Injection Control) structures with a working system that discharges to an existing waterway.

Projected Budget: \$1,300,000

Proposed Funding: Fund 450 – Storm Drainage CIP



CIP Storm Drainage Accomplishments

2016 STORM IMPROVEMENTS

CASCADE DRIVE IMPROVEMENTS

The City partnered with Linn County to rebuild Cascade Drive adjacent to Seven Oaks School. As part of this project, the City contributed towards the installation of storm drainage improvements along the improved portion of Cascade Drive.

RUSSELL DRIVE / RIVER ROAD UTILITY EXTENSION

This project constructed a new storm main along Russell Drive and River Road from McKinney Lane east to the new WTP on River Road. The improvement will assist with meeting requirements for detention and pre-treatment of rainwater before entering the pipe of Lebanon's storm system.

2017 STORM IMPROVEMENTS

AIRPORT ROAD / RUSSELL DRIVE IMPROVEMENTS

This project extended a new storm main along the new E. Airport Road alignment to Russell Drive. The storm improvements included the construction of storm detention basins and pre-treatment swales. Storm runoff from the nearby Albany & Eastern railyard is now captured and transferred to the Storm System, replacing the often flood ditches. The improvements will assist with meeting requirements for detention and pre-treatment of rainwater before entering Lebanon's storm system

2021 STORM IMPROVEMENTS

RIVER ROAD IMPROVEMENTS / FRANKLIN-GARVORD

The reconstruction of River Road to a city standard street required storm improvements to remove ponding within the existing roadway. A constant cross slope (superelevation) of the street reduced the need for drainage inlets on both sides of the street.

TRANSPORTATION SYSTEM

THE CITY THAT FRIENDLINESS BUILT

Transportation System

Lebanon's growing Transportation System is funded primarily by the Surface Transportation Program (STP) from the Oregon Department of Transportation (O.D.O.T.). Those dollars are stretched to prolong the life of newer streets or compiled to rebuild streets years beyond their service life as identified in our Transportation System Plan (TSP).

Other sources of financing street improvements are through the Urban Renewal Development districts with some dollars also available via the collection of System Development Charge fees, both incomes are restrictive when dealing with the growing list of street maintenance projects.

The projects highlighted in this edition of the CIP Transportation System were based upon available funds and the street maintenance priority as identified in the PMS plan.

Street Preservation Program

Project Years: 2022-2027

Submitted By: City Staff

Description: The Street Preservation Program rehabilitates existing city standard streets through slurry seals, crack seals, asphalt overlay, and/or spot repair. The program is an economical way to restore roadways without completely reconstructing the roadway. This program will substantially extend the useful life of Lebanon's streets, reducing the need for more expensive street reconstruction projects.

Projected Budget: \$210,000 / each year for the five year CIP Plan

Proposed Funding: Fund 840 – STP Street Project

Eligible Project List:

The following list of projects has been compiled based on the 2019 Street Inventory Condition Map and by City Operations staff knowledge of problem areas. The project list for each year may change, based on the condition of the streets as they are periodically rated.

Considerations such as traffic volume, asphalt condition due to weathering, and traffic load may cause the streets to wear at differing rates. Therefore, streets may move up or down on the list from year to year. Also, all the streets listed each year may not be completed due to economic constraints such as the unit price of asphalt and labor costs. A recent update to the Street Inventory Condition Map has made it possible to get an accurate view of what streets need to be preserved next and the list below reflects that.

Projects for 2022

Sherman Street (RR Xing – 2nd Street)

Grant Street (5th to Main Street)

Projects for 2022-2027

“F” Street (5th to 7th)

Ash Street (Walnut St. – Approx. 200’ West)

Carlson Drive (East Ash to Deadend)

Sherman Street (10th – Burkhart Creek)

Binshadler Street (Park – Post)

Berry Street

Pine Street (HWY 20 – Carroll)

Walnut Street (E Grant to Deadend)

Sherman Street (Dead End – Walnut)

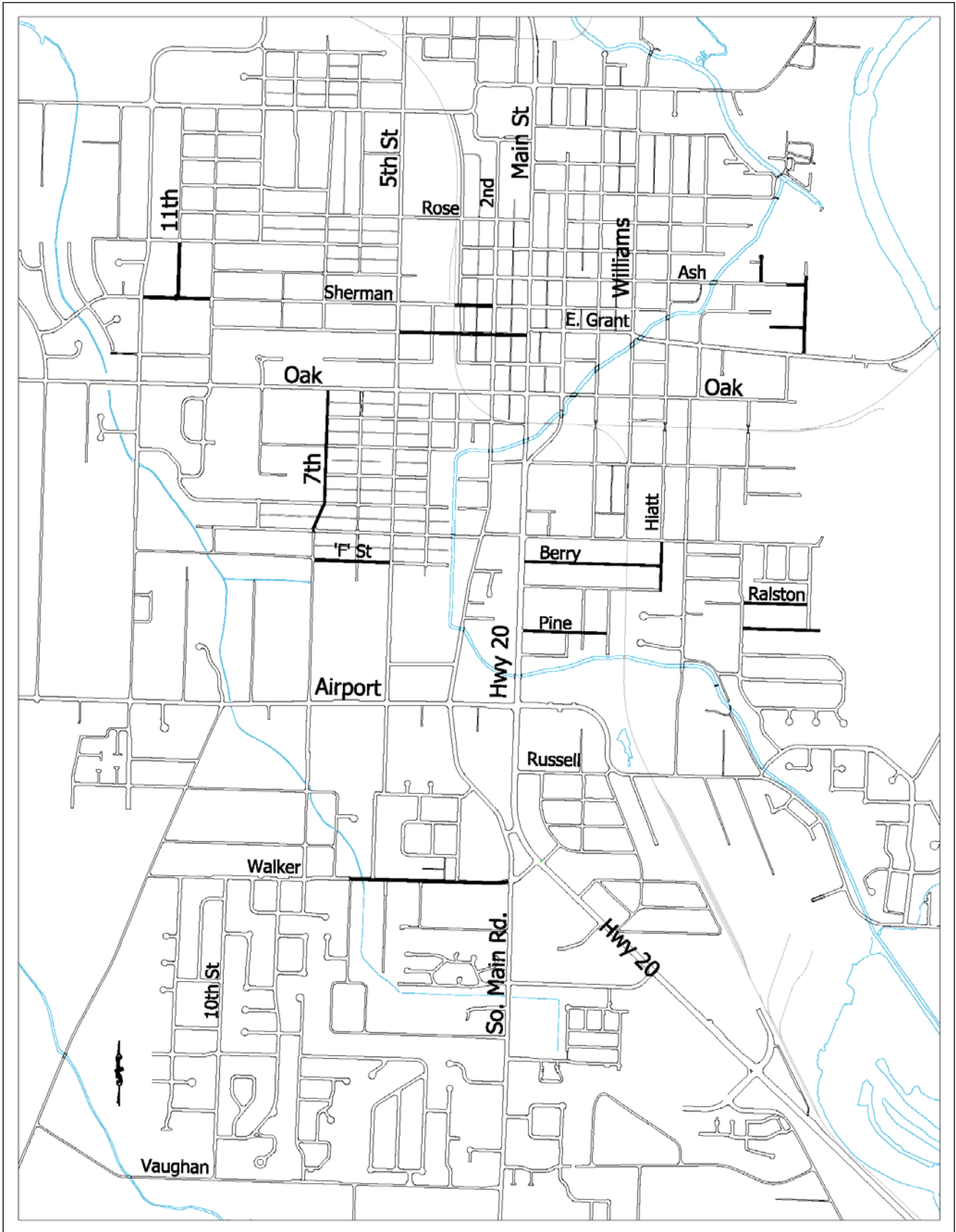
Walker Road (6th -S. Main)

Hiatt Street (Jennings – Milton)

Ralston Street (Park to Post)

11th Street (Vine – Sherman)

7th Street (Oak – ‘E’)



THE CITY THAT FRIENDLINES BUILT

Bridge Maintenance Program

Project Years: 2022-2027

Submitted By: City Staff

Description: The City of Lebanon owns and maintains 13 bridges. Maintenance of these bridges are vital to ensure the maximum bridge service life is realized and costly bridge replacements are minimized.

The State of Oregon inspects these bridges on a cyclic basis. Many of the bridges are inspected annually. Some bridges are inspected once every two years. Bridges with significant wear or known issues are monitored more often as determined by the State bridge inspection program.

The table below lists the City bridges and recommended repairs. This list is not a complete bridge inventory. Only bridges with recommended repairs are included in this list. Further detail on recommended repairs and bridge inspection criteria, refer to the individual bridge inspection reports.

Projected Budget: \$350,000

Proposed Funding: Fund 840 – Street Capital Improvement Fund, this fund is highly inadequate to maintain the City’s bridges and roadways. Additional funding will be required.

Bridge Maintenance Program

No.	Bridge ID #	Bridge Location	Last Inspection	Recommended Repair(s)	Estimated Cost
1	43B001	Ash Street (E. of Hiatt St.)	7/11/2019	Armor Banks to Control Erosion Cut Back Vegetation at Bridge Ends	\$7,000
					\$500
					\$7,500
2	43B002	'E' Street (W. of 2 nd St.)	7/11/2019	Cut back Vegetation, Armor Banks	\$7,500
					\$7,500
					\$7,500
3	43B003	E. Grant Street (E. of Williams)	7/11/2019	Armor Banks to Control Erosion Cut Back Vegetation at Bridge Ends Repair Spalling in Curbs and End Posts Update Pedestrian Railing (North Side)	\$7,000
					\$500
					\$750
					\$10,500
					\$18,750
4	43B004	Grove Street (S. of Maple St.)	7/11/2019	Resurface Deck (2,200 SF) Armor Banks to Control Erosion Sheet Piling Embankment Rehabilitation	\$10,000
					\$7,000
					\$45,000
					\$62,000
					\$62,000
5	43B005	Hiatt Street (S. of Sherman St.)	7/11/2019	Sheet Piling Embankment Rehabilitation Resurface Deck (1,376 SF) Repair or Replace Pedestrian Rails & Rebuild Approaches	\$45,000
					\$5,000
					\$35,000
					\$85,000
					\$85,000
6	43B006	Oak Street (E. of Park St.)	7/11/2019	Sheet Piling Embankment Rehabilitation Resurface Deck (1,312 SF) Evaluate Necessity of Load Limit Posting & Armor Banks	\$45,000
					\$5,000
					\$9,500
					\$59,500
					\$59,500
7	43B007	2 nd Street (N. of Elmore St.)	7/11/2019	Resurface Deck (1,344 SF) Repair or Replace Pedestrian Rails Armor Banks to Control Erosion Cut Back Vegetation at Bridge Ends & Update Load Rating	\$5,000
					\$15,000
					\$7,000
					\$500
					\$27,500
					\$27,500
8	43B008	2 nd Street (S. of Hiatt St.)	7/11/2019	Cut Back Vegetation at Bridge Ends Touch Up Rails, Repair/Replace Railing Mounts	\$500
					\$300
					\$800
					\$800
9	43B009	N. Williams St. (N. of Wheeler St.)	7/12/2019	Properly Lap Flex Beam Railing Treat Flex Beam Rails for Corrosion	\$500
					\$200
					\$700
					\$700
10	43B010	Williams Street (S. of Grant St.)	7/11/2019	Armor Banks to Control Erosion Cut Back Vegetation at Bridge Ends Remove Tree Roots from Storm Drain Update Pedestrian Railing (Both Sides)	\$7,000
					\$500
					\$250
					\$20,000
					\$27,750
					\$27,750
11	43B120	Industrial Way (E. of Hwy. 20)	7/12/2019	Armor East Bank (Rip Rap in Shotcrete)	\$6,500
					\$6,500
					\$6,500
12	19583	Mountain River Rd. (N. of River Drive)	7/11/2019	Repair Sidewalk Approaches Cut Back Vegetation at Bridge Ends	\$1,500
					\$500
					\$2,000
					\$2,000
13	20307	E. Grant Street (Over S. Santiam)	8/06/2019	Reset Bearing Pads at Normalized Temperature Replace/Resecure Missing Exp. Joint Covers	\$6,500
					\$400
					\$6,900
					\$6,900

Total Repair Costs: \$312,400

THE CITY THAT FRIENDLINESS BUILT

Walker Road Rebuild (Stoltz Hill - 6th)

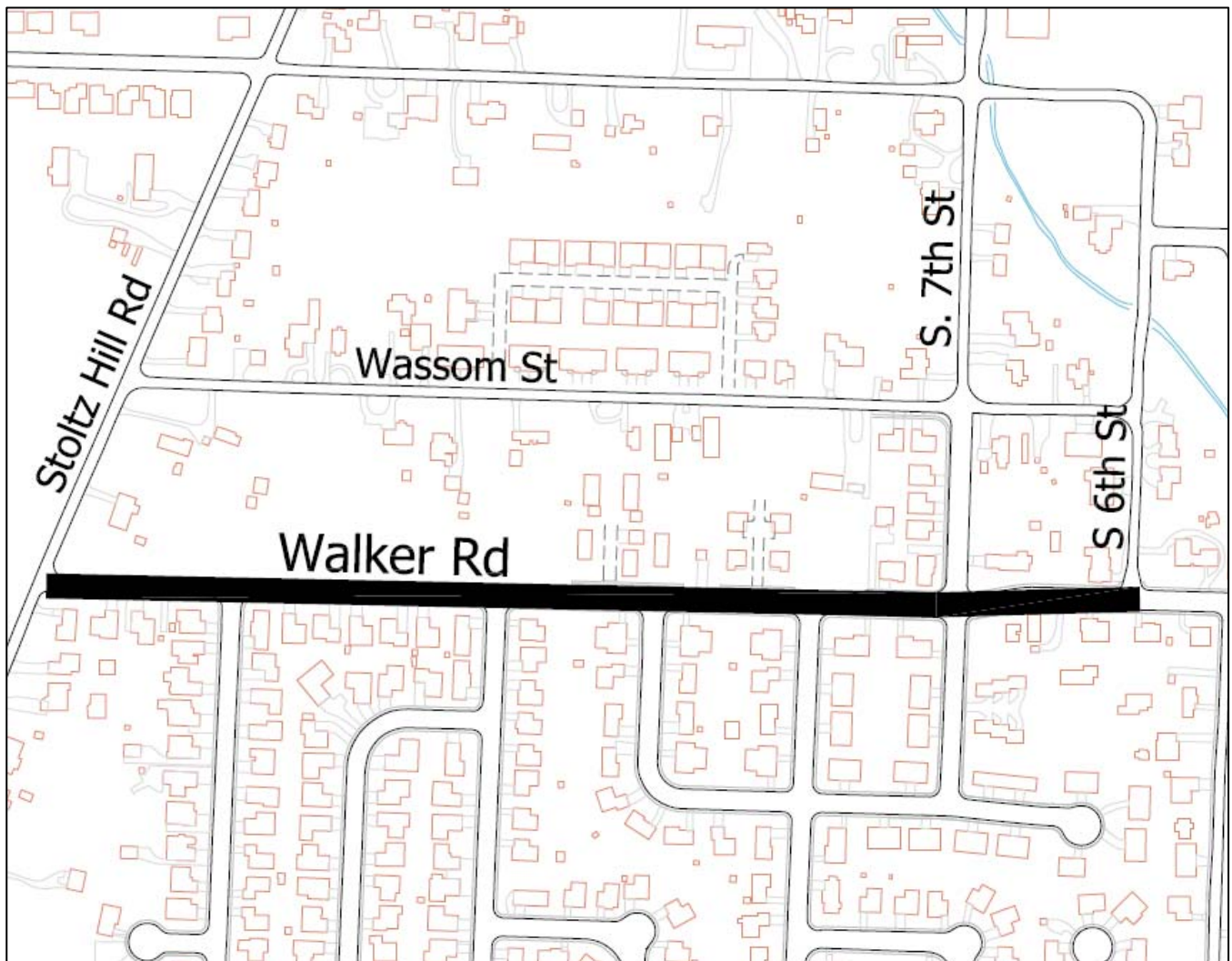
Project Years: 2022-2023

Submitted By: City Staff

Description: In conjunction with the WSI Phase V project, the proposed street improvements for Walker Road will connect the curb & gutter and sidewalk “gaps” along the north edge of the roadway and replace of the street surface from 7th to 6th St.

Projected Budget: \$1,000,000

Proposed Funding: Fund 470 – Wastewater Utility



THE CITY THAT FRIENDLINESS BUILT

Stoltz Hill and Airport Road Signal

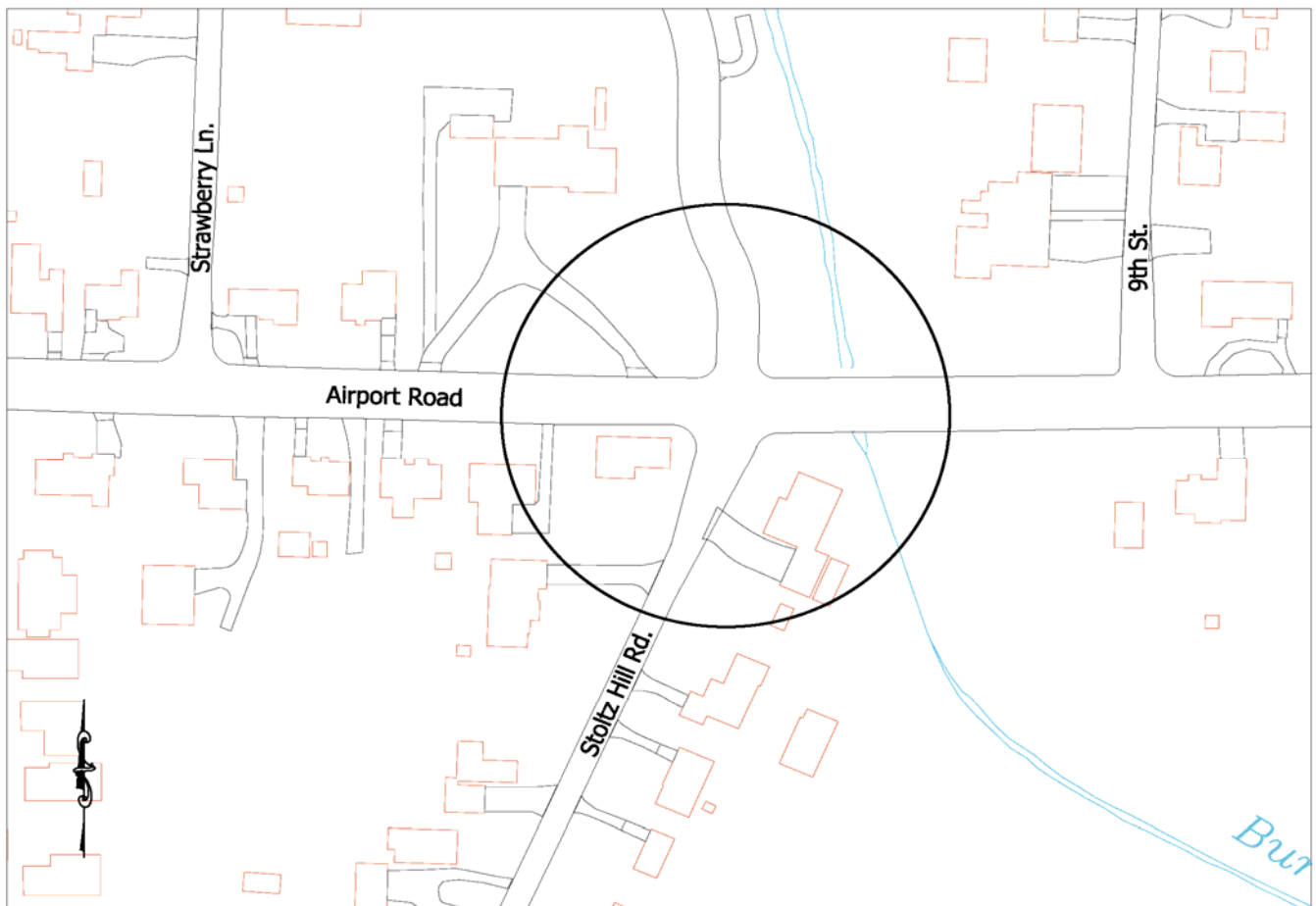
PROJECT YEARS: 2022-2023

SUBMITTED BY: City Staff

DESCRIPTION: In conjunction with the Applegate development which intersects Airport Road at the Stoltz Hill intersection, the proposed traffic signal installation will provide safe turning movements at this busy intersection. Residential growth south of Vaughan Lane is anticipated once the Westside Sanitary Interceptor is completed (2023) and this intersection is likely to see an increase in traffic volume.

PROJECTED BUDGET: \$1,000,000

PROPOSED FUNDING: \$500,000 from fund 840 – Street CIP
\$500,000 from fund 882 – SDC Street Improvement



THE CITY THAT FRIENDLINESS BUILT

Dewey Street & Hwy 20 Realignment

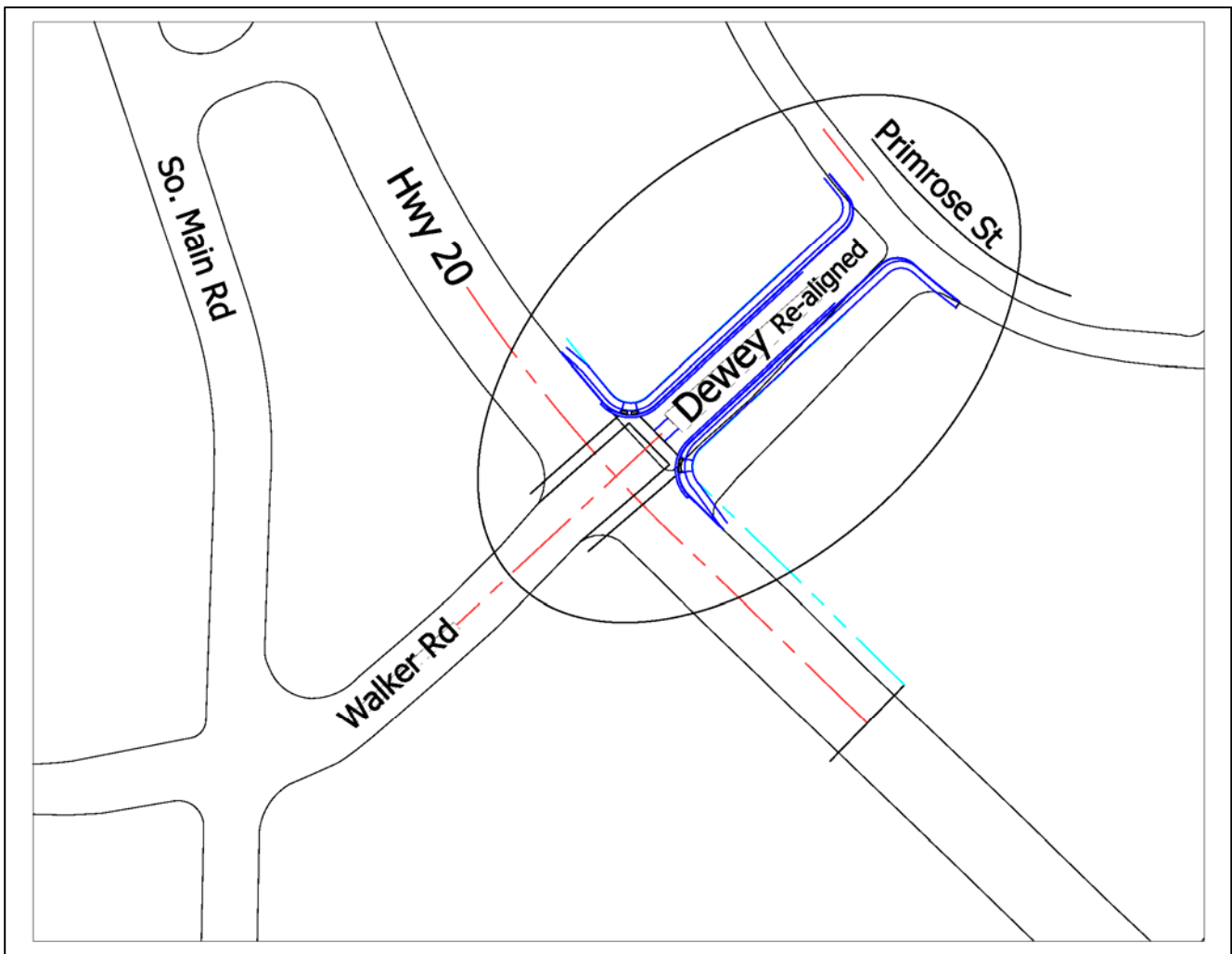
Project Years: 2023-2024

Submitted By: City Staff

Description: This project proposes to remove the existing Dewey Street to realign the street at the intersection with Walker Road and Hwy 20. The proposed street improvements will include two travel lanes, a left turn lane, new traffic signal, curb & gutter, and sidewalk.

Projected Budget: \$1,500,000

Proposed Funding: \$400,000 from Fund 882 – SDC Street
\$300,000 from fund 558 - Streets
\$800,000 from ODOT & Linn County



THE CITY THAT FRIENDLINESS BUILT

7th Street Reconstruction - Oak to 'F'

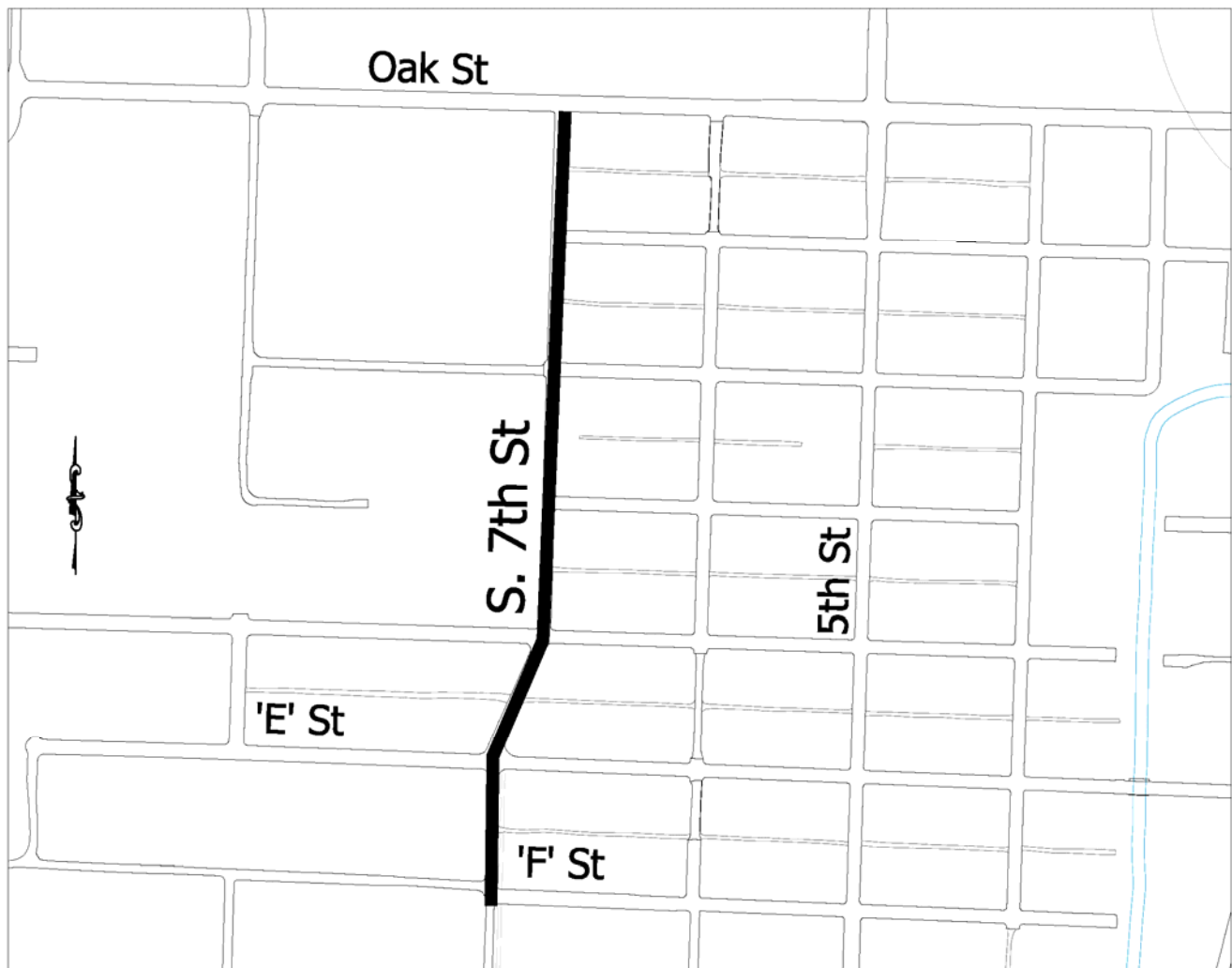
PROJECT YEARS: 2023-2024

SUBMITTED BY: City Staff

DESCRIPTION: This project proposes to replace the existing city standard street the length of 7th Street between Oak & 'F' Street. Proposed improvements will reduce the centerline crown height, improve side street intersections, and update sidewalk access ramps.

PROJECTED BUDGET: \$600,000

PROPOSED FUNDING: \$400,000 from fund 558 – Street
\$200,000 from fund 840 – Street CIP



THE CITY THAT FRIENDLINESS BUILT

North 5th Street (Tangent - Mary)

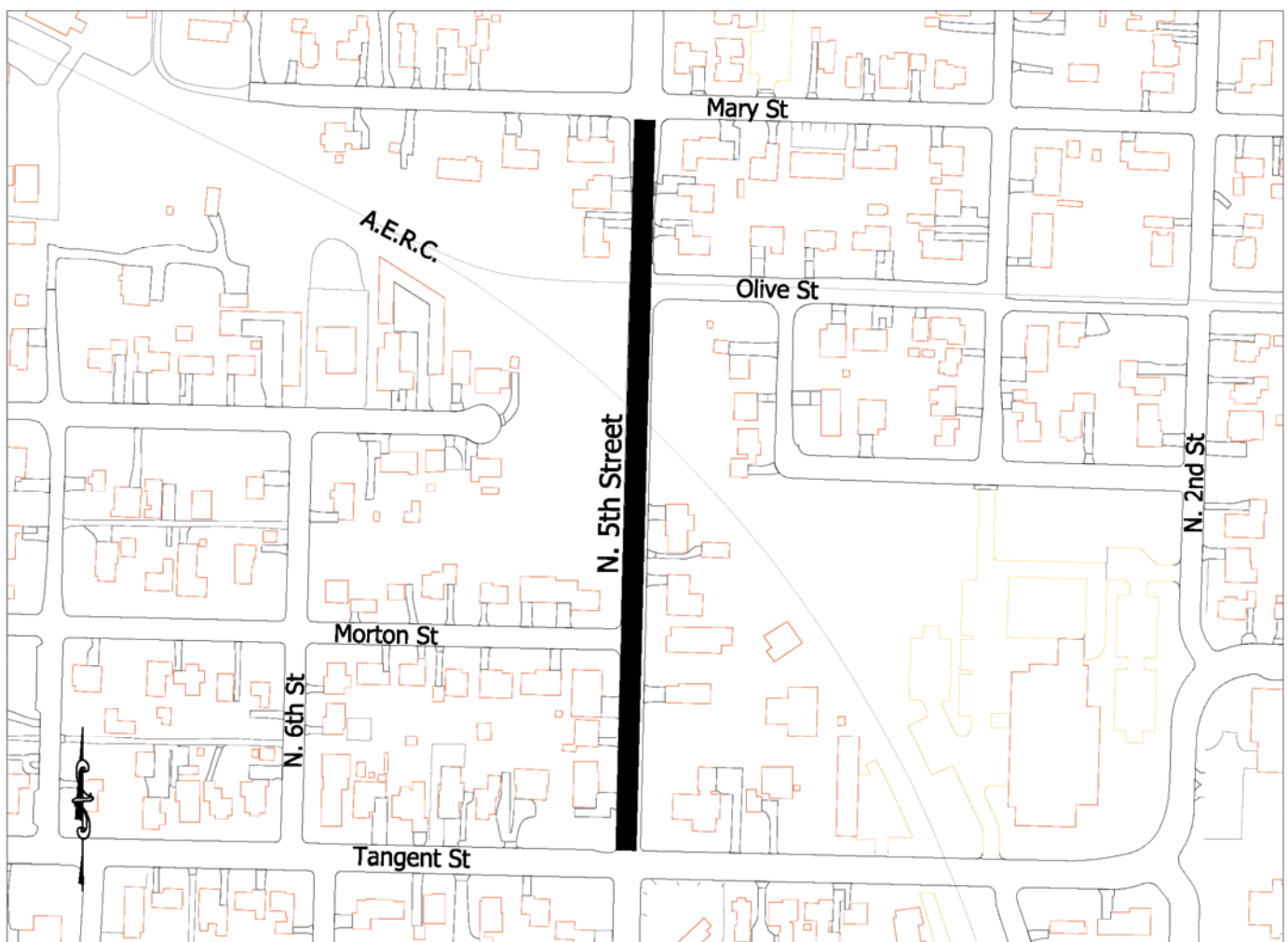
PROJECT YEARS: 2023-2024

SUBMITTED BY: City Staff

DESCRIPTION: This proposed project will replace this length of N. 5th Street due to road base failure which has caused the street to deteriorate at a greater rate than its normal life expectancy. Additionally, improvements might include the installation of a traffic signal at 5th & Tangent should it be determined the level of service meet warrants.

PROJECTED BUDGET: \$2,100,000

PROPOSED FUNDING: Fund 940 – Gateway URD



THE CITY THAT FRIENDLINESS BUILT

Reeves Parkway & Hwy 20 Signal

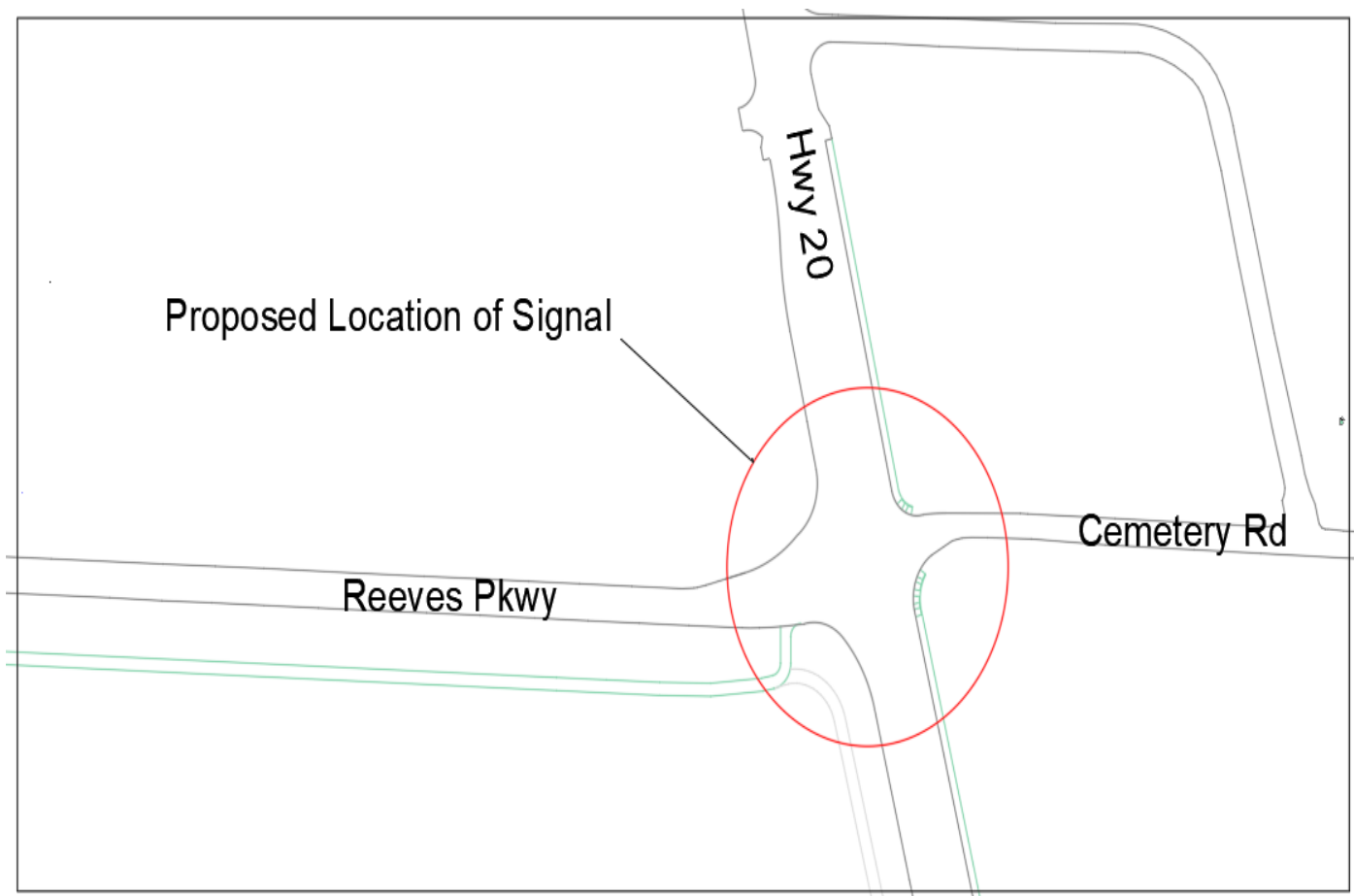
PROJECT YEARS: Future

SUBMITTED BY: City Staff

DESCRIPTION: A traffic signal would be put in place at the Reeves Parkway and Highway 20 intersection. This will encourage slower speeds and safer driving for drivers coming into Lebanon from Highway 20 and provide safe entrance onto Highway 20 for drivers entering the roadway from Reeves Parkway.

PROJECTED BUDGET: \$1,500,000

PROPOSED FUNDING: Fund 940- North Gateway URD
Fund 882- Transportation System Development Charge Improvements



THE CITY THAT FRIENDLINESS BUILT

River Street Improvements

PROJECT YEARS: Future

SUBMITTED BY: City Staff

DESCRIPTION: River Street is in dire need of a resurfacing as well as a widening, these improvements would make the rough riding street smooth again. The funding for this project would be split between Linn County and The City of Lebanon.

PROJECTED BUDGET: \$100,000

PROPOSED FUNDING: Fund 840- Street Capital Improvement Projects



THE CITY THAT FRIENDLINESS BUILT

7th Street Improvements - 'F' to Airport

PROJECT YEARS: Future

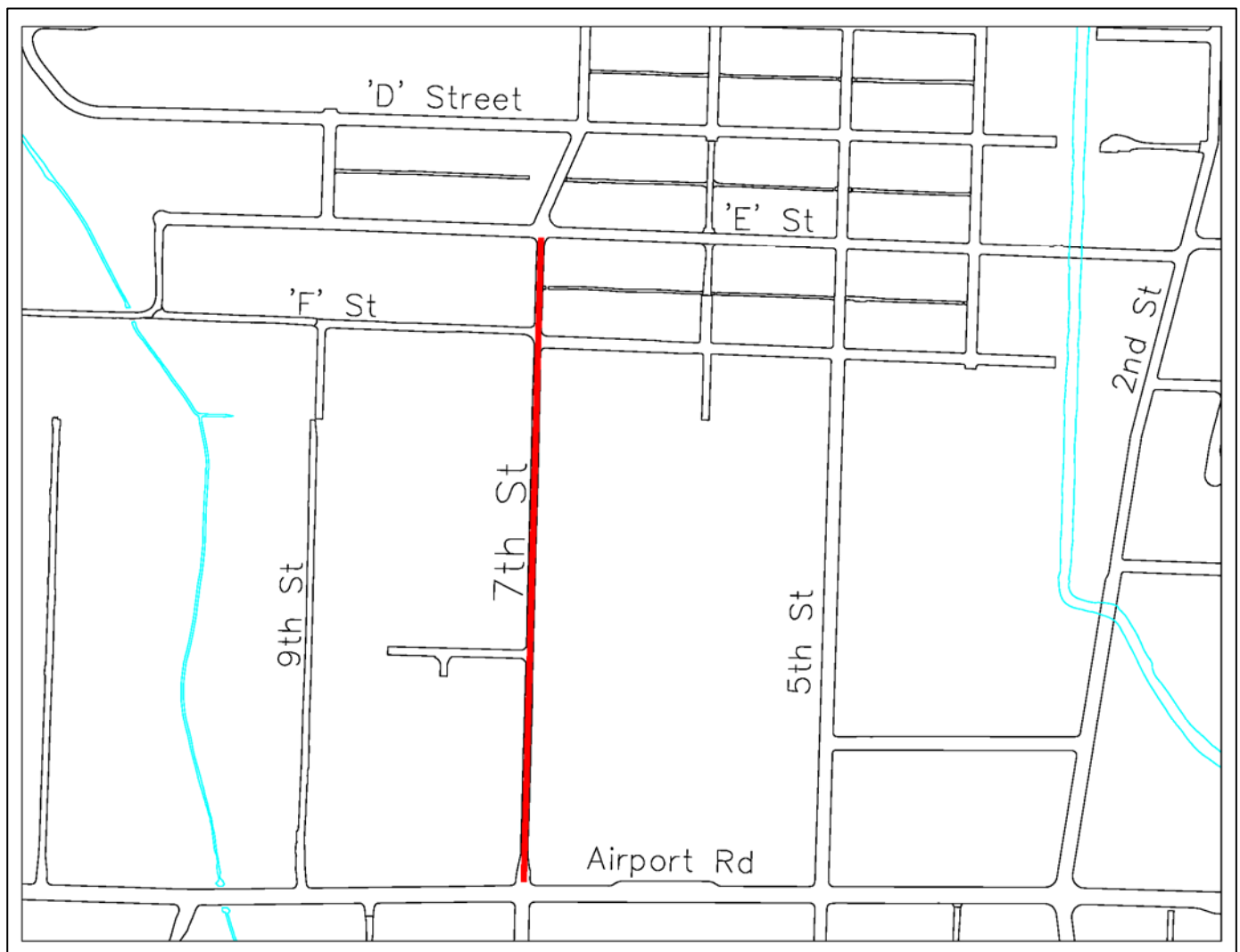
SUBMITTED BY: City Staff

DESCRIPTION: This project proposes to replace the “county” standard length of 7th Street, with a 2 lane “City” standard roadway between “E” Street and Airport Road. The proposed 32-foot-wide street improvement will include two travel lanes, on-street parking, relocate the 10-foot multi use path, and add sidewalk.

PROJECTED BUDGET: \$1,500,000

PROPOSED FUNDING: Fund 558 - Streets

Fund 840 – Street CIP



THE CITY THAT FRIENDLINESS BUILT

Tangent Street Widening and Intersection Improvements

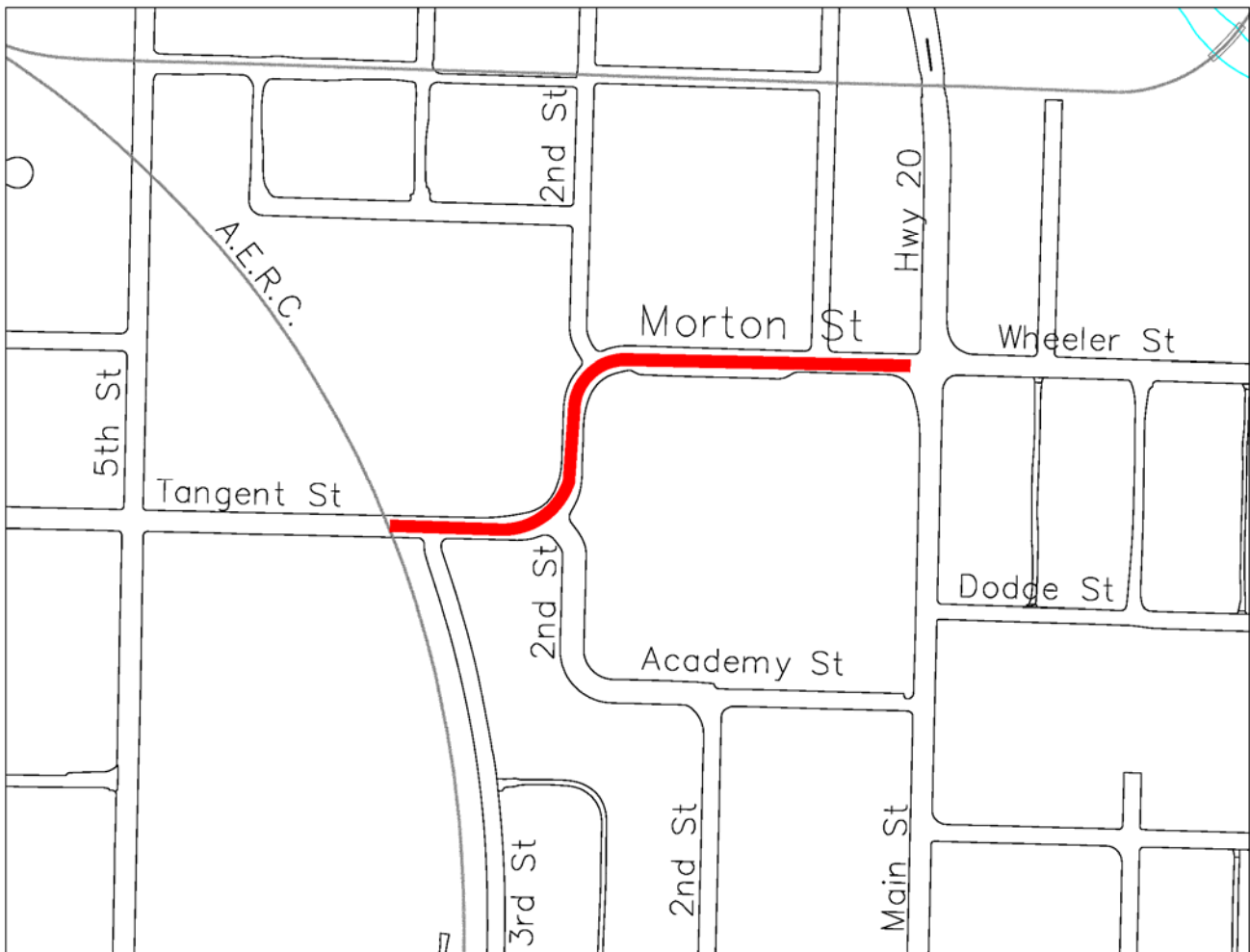
PROJECT YEARS: Future

SUBMITTED BY: Transportation System Plan

DESCRIPTION: This project will be triggered by the continued development of the Samaritan Health Campus. The existing traffic configuration will require a left turn refuge the length Tangent/2nd/Morton Street from 5th Street to Hwy 20.

PROJECTED BUDGET: \$1,950,000

PROPOSED FUNDING: Fund 940-North Gateway URD



THE CITY THAT FRIENDLINESS BUILT

Cedar Drive Improvements – S. Main to Acorn

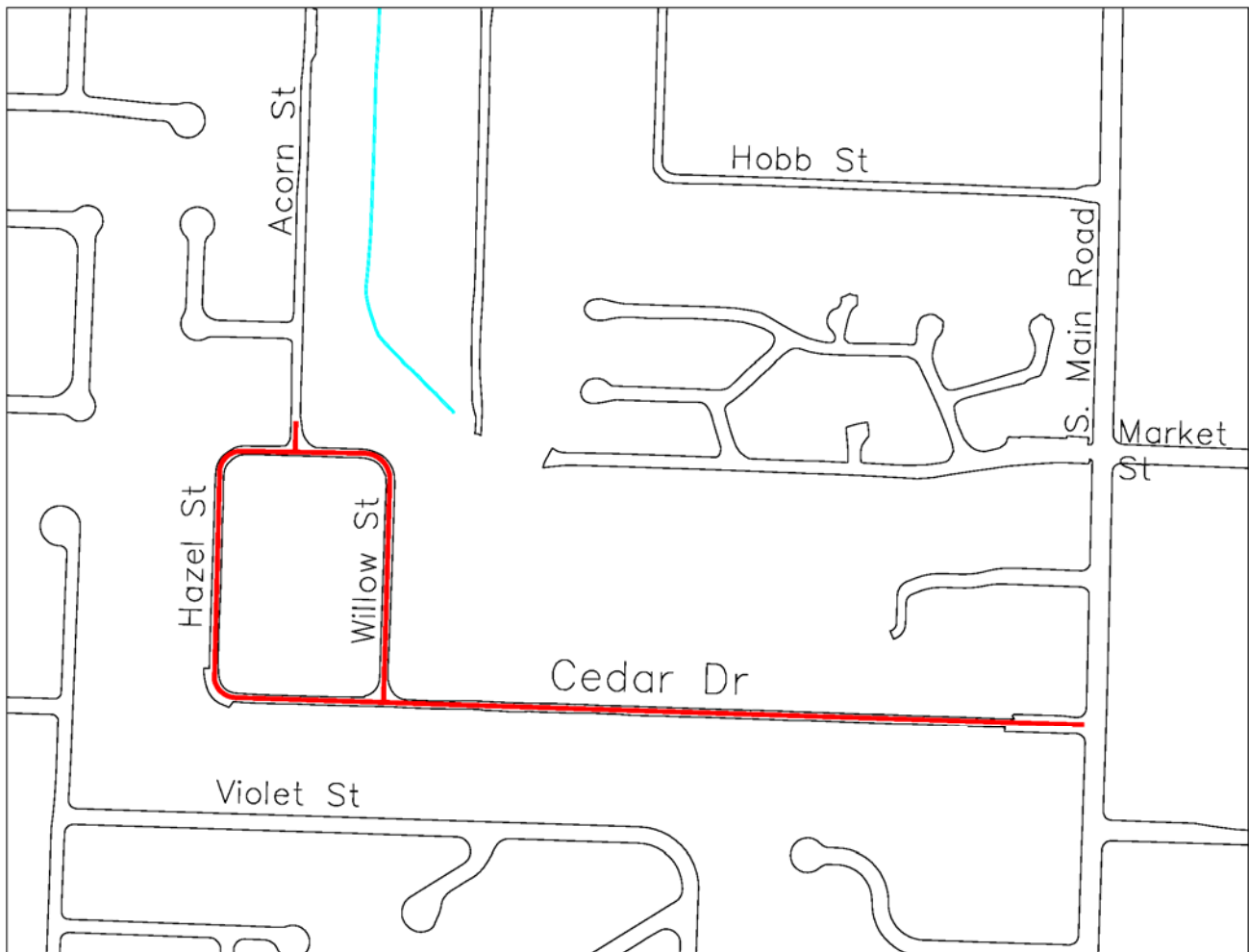
PROJECT YEARS: Future

SUBMITTED BY: City Staff

DESCRIPTION: This project will remove the failing substandard street surface and install a 34-foot-wide city standard residential street consisting of curb & gutter, sidewalks, on street parking and two 10-foot travel lanes. By allowing on street parking and having narrow travel lanes, this will encourage low speed traffic after the project is completed.

PROJECTED BUDGET: \$1,500,000

PROPOSED FUNDING: Fund 558 – Streets
Fund 840 – Streets CIP



CIP Transportation System Accomplishments

2018 STREET IMPROVEMENTS

RUSSELL/RIVER DRIVE IMPROVEMENTS – Phase II

This project completed the street improvements from Franklin Street to River/Mtn River intersection. Those improvements being storm runoff collection, curb & gutter, driveways, and sidewalk/path to the Cheadle Lake Boat Launch. It also saw the overlay of River Drive from the northern Mtn River intersection to the new WTP Intake site.

2018 STREET PRESERVATION

The grind and inlay of the travel lanes on Airport Road from 2nd Street to 7th Street. Added to this project was the paving of the City Maintenance Department's street surface rebuild of 'E' & 'J' Streets from 5th to 2nd Street.

2019 STREET IMPROVEMENTS

2019 STREET PRESERVATION

The grind and inlay of the travel lanes on:

North Main Street - Morton St to Hwy 20

Park Drive – Milton St to Glen Oak Dr

Sherman Street – Park Dr to 2nd Street

Overlay of existing street surface:

Dodge Street – Williams St to Bromil St

2019 ADA RAMP REPLACEMENT

Grove Street at the Ash St and Sherman St intersections.

Park Drive at the Harden, Evans, Ralston, and Binshadler intersections.

2020 STREET IMPROVEMENTS

SHERMAN STREET – 2nd Street to Park Street

The overlay of this collector was completed during the summer and paid by Street funds. This minor improvement will delay the replacement of this heavily used length of Sherman Street for 3-5 years.

2021 STREET IMPROVEMENTS

RIVER DRIVE STREET REBUILD: Franklin St to Garvord St

A street project which removed the poorly draining County standard surface and installed a storm drainage system, curb & gutter, and a cross sloped street design to shed water across the entire surface to the north side of the roadway. Street improvements also included new sidewalks and driveways.

PRIMROSE STREET EXTENSION

Primrose Street was extended for a new Development Project. The project was funded jointly between the City and Developer.

WASTEWATER SYSTEM

THE CITY THAT FRIENDLINESS BUILT

Wastewater System

The Lebanon sewer collection system is approximately 47 miles of concrete, PVC, and terra cotta pipes that vary from 6 to 54 inches in diameter. The Lebanon sanitary collection system conveys wastewater from residential, commercial, and industrial sources to the Wastewater Treatment Plant on Tennessee Road for processing before difusing the clean effluent into the South Santiam River.

The City recently took over operations and maintenance of the WWTP and hired staff to operate, monitor, and maintain the wastewater treatment facility. The recommended WWTP improvements are intended to meet capacity to serve an expanding customer base, technological upgrades to meet ever changing state and federal regulatory requirements and address the expansion of the plant's capacity to accommodate our growth.

This installment of the Wastewater CIP Plan focuses on constructing a major portion (29,000 feet, approx. 5.4 miles) of the Westside Sanitary Interceptor. The completion of this monstrous length of pipe will open vast acres of residentially zoned property for development.

While construction of the WSI is taking place, many smaller, yet equally important, sanitary pipes area targeted for replacement to reduce the amount of water inflow from groundwater or large storm events.

Sanitary Sewer Replacement Program

Project Years: 2022-2027

Submitted By: Wastewater Facility Study

Description: The Sanitary Sewer Replacement Program has two main objectives. To replace old sewer main pipes that are broken beyond repair and in danger of collapsing and to assist homeowners by paying for the portion of failed sewer laterals located within the City right-of-way. Funds are transferred to the Sewer Lateral and Replacement Fund (474) from the Wastewater Utility Fund (475) each year to ensure this program continues.

BUDGET PROJECTION: \$1,250,000 for the current 5-year CIP period (\$250,000/yr.)

PROPOSED FUNDING: 470 - Wastewater

PROPOSED MAINLINE PROJECTS

E. Ash Street (Crescent to Carlson)

Lupine Street (Larkspur to mid-block to Honeysuckle)

3rd Street Alley (Rose to north)

'C' Street (5th to 7th)

Harden Street (mid-block to Franklin)

Rose/Vine Alley (6th St to 5th St)

Hwy 20 (behind Crocker's to former Weldwood Mill entrance)

Hwy 20 (north of Walgreens south to Sam Health clinic)

Foxglove/Larkspur (Foxglove around bend to Larkspur)

'D' Street (5th to 4th)

North Main Street (Olive to Mary)

Eddie Street (south of RR to Elmore)

E Isabella Street (Isabella D.E. to Cleveland)

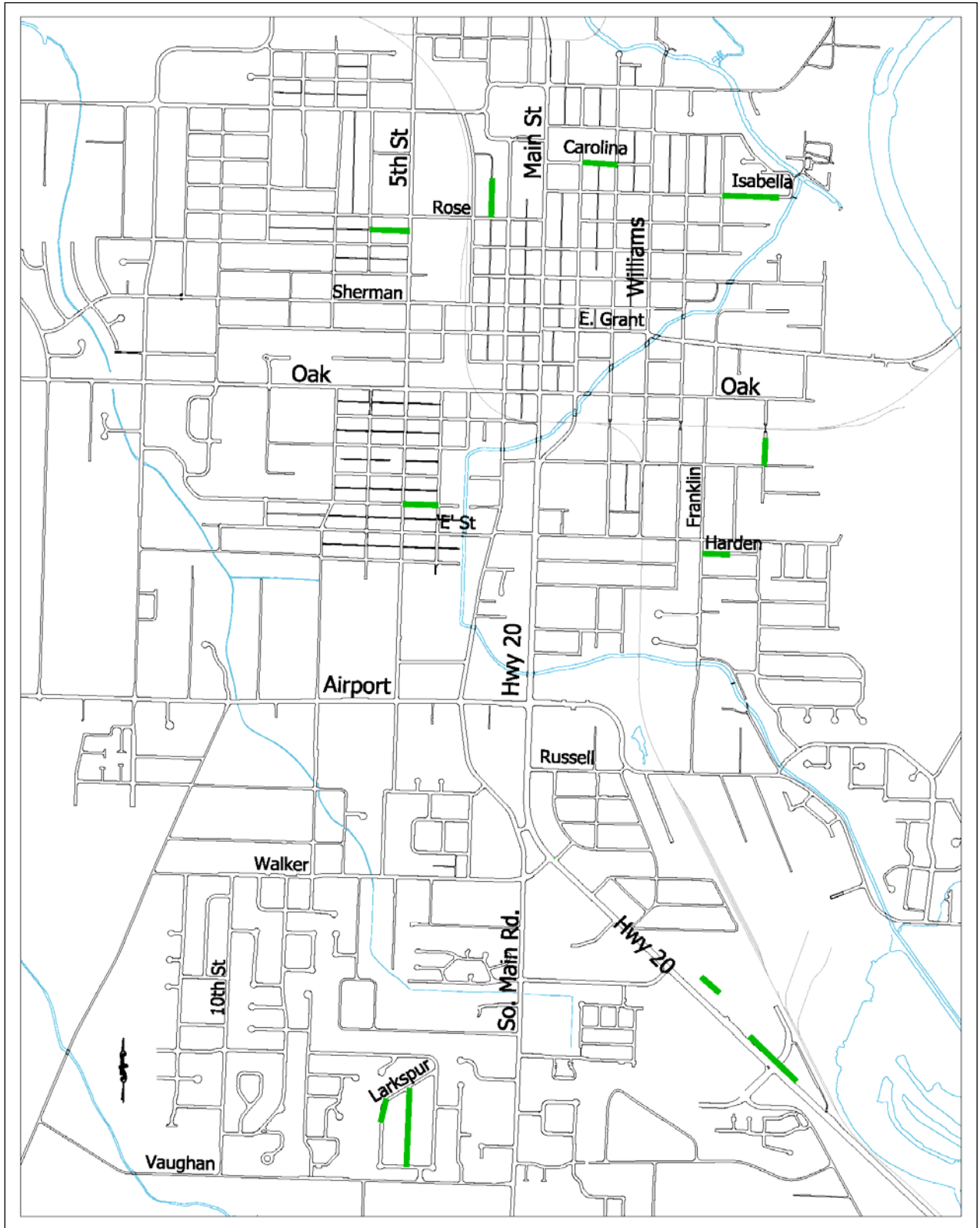
E Carolina Street (Park to Grove)

replacement list impacted by programs listed below

Street Preservation Program

Roadway Reconstruction Project

Special Projects as Development Dictates



THE CITY THAT FRIENDLINES BUILT

Wastewater System Master Plan Update

Project Years: 2022-2023

Submitted By: Wastewater Master Plan

Description: The Wastewater Master Plan needs updating due the completion of numerous phases of the new Westside Interceptor and the increase of residential improvements.

Projected Budget: \$550,000

Proposed Funding: Fund 470 – Wastewater

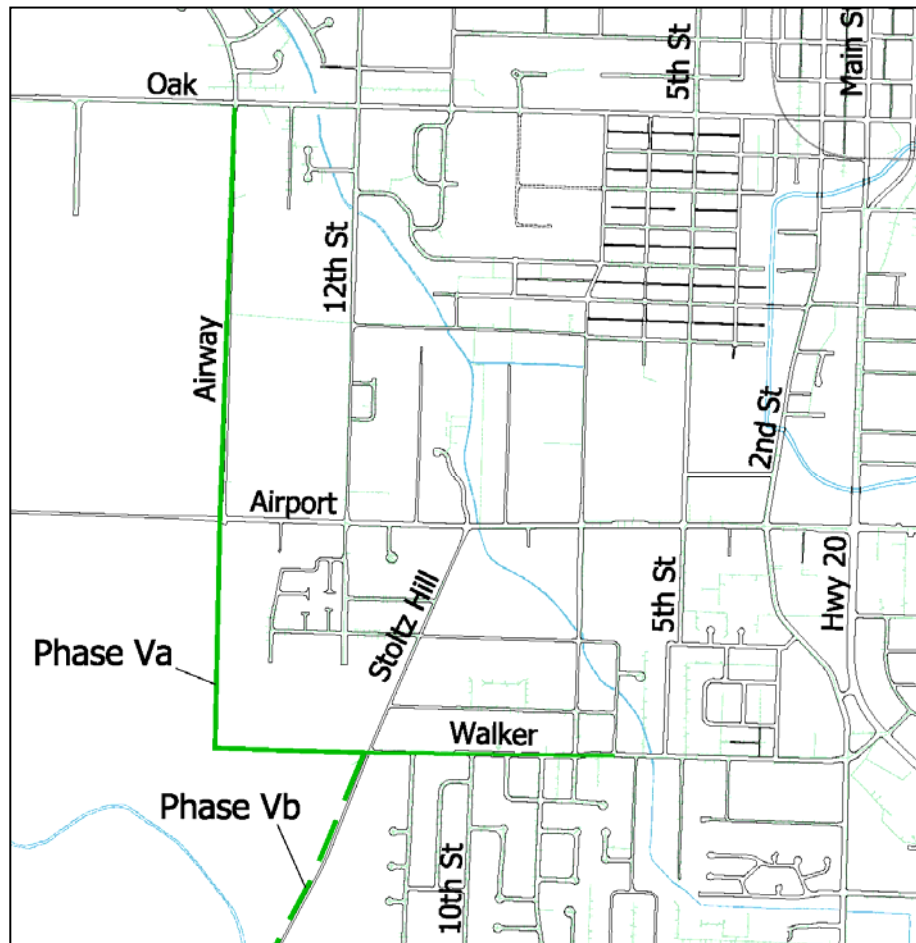
Westside Interceptor Phase V-A - (Oak- Airport - Walker-6th)

Project Years: 2022-2023

Description: The Original Westside Interceptor is an existing sanitary sewer main which travels around the north and west limits of a 1967 Lebanon. Helping to relieve capacity in the '67 WSI, a new sewer interceptor is being constructed. This phase of the '99 WSI will extend the new sewer trunk from the intersection of Oak Street and Airway Road to the intersection of Stoltz Hill & Walker Road and an overflow diversion pipe to 6th Street.

Projected Budget: \$9.00,000

Proposed Funding: Fund 470 - Wastewater
Fund 872 - Wastewater SDC Improvement
Fund 430 - Water



Westside Interceptor Phase V-B (Stoltz Hill, Vaughan, 5th, Crowfoot)

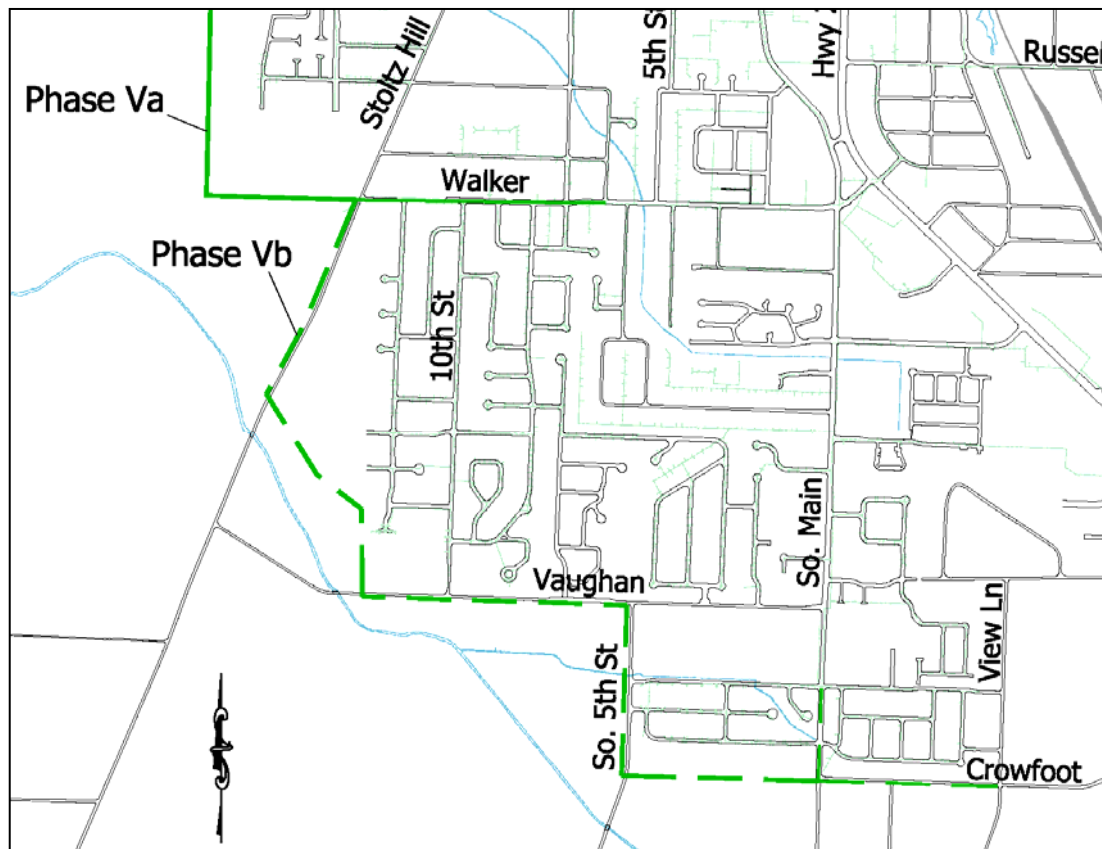
Project Years: 2022-2023

Submitted By: Wastewater Facility Study

Description: The Original Westside Interceptor is an existing sanitary sewer main which travels around the north and west limits of a 1967 Lebanon. Helping to relieve capacity in the '67 WSI, a new sewer interceptor is being constructed. This phase of the '99 WSI will extend the new sewer trunk from the intersection of Oak Street and Airway Road to the intersection of Stoltz Hill & Walker Road and an overflow diversion pipe to 6th Street.

Projected Budget: \$11,500,000

Proposed Funding: Fund 475 - Wastewater Utility CIP
Fund 872 - Wastewater SDC



THE CITY THAT FRIENDLINESS BUILT

7th Street Reconstruction – Oak to 'F'

PROJECT YEARS: 2022-23

SUBMITTED BY: City Staff

DESCRIPTION: Due to the anticipated lower street centerline elevation the existing sanitary system requires updating. The proposed sanitary update will extend a sewer main north from 'F' Street north to 'A' Street and redirect existing wastewater services.

PROJECTED BUDGET: \$500,000

PROPOSED FUNDING: 470 – Wastewater



THE CITY THAT FRIENDLINESS BUILT

WWTP Biosolids Improvements

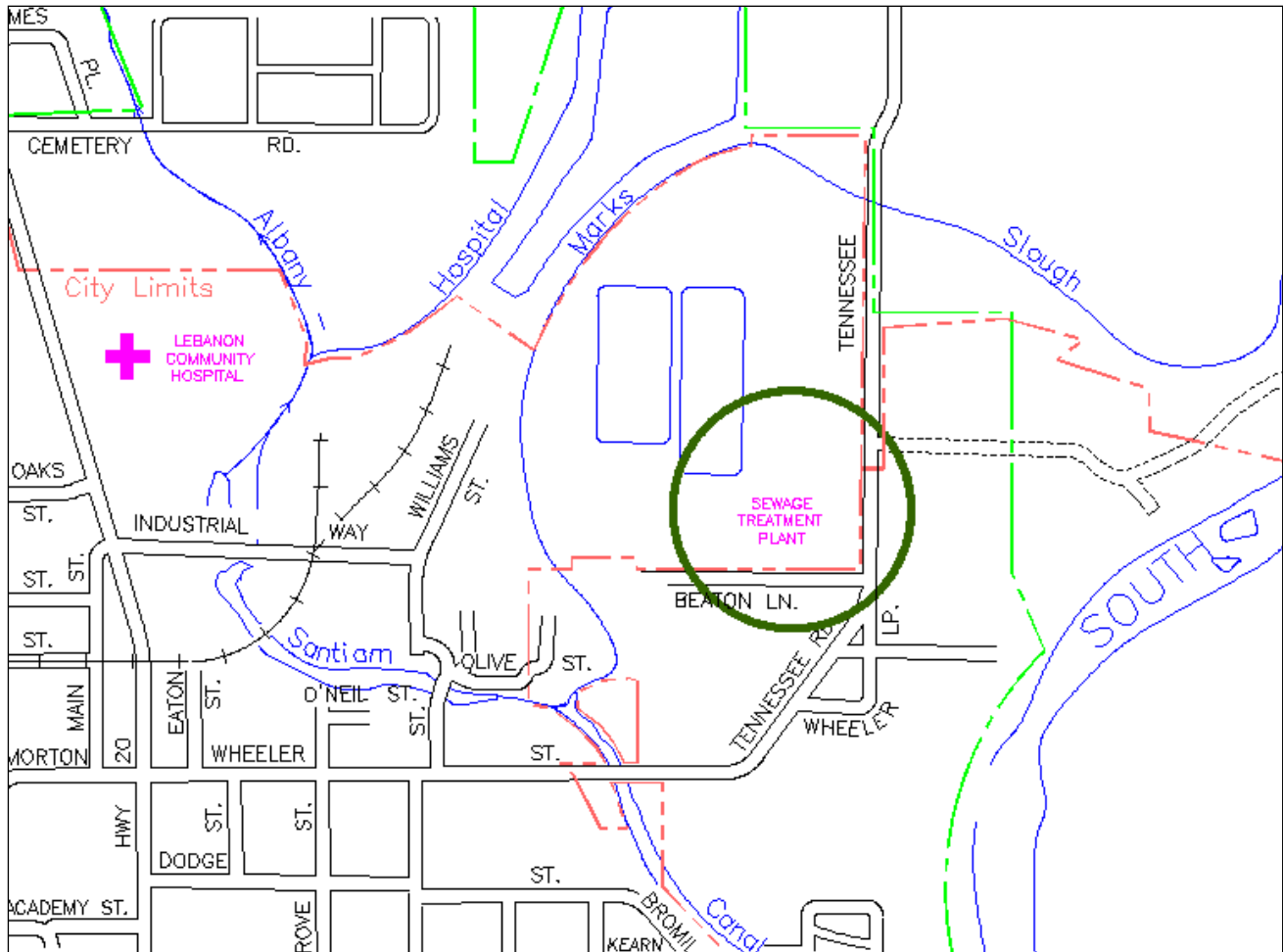
Project Years: 2024-2026

Submitted By: Wastewater Treatment Plant Facility Plan and City Staff

Description: Replace the failed design and installation of the WWTP Biosolids reduction equipment.

Projected Budget: \$10,000,000

Proposed Funding: Fund 475 – Wastewater Utility CIP



THE CITY THAT FRIENDLINESS BUILT

Downtown Sewer Separation Phase III (Inflow and Infiltration Reduction Plan)

Project Year: Future

Description: This program’s goal is to eliminate the remaining combined sewers within Lebanon’s downtown area and lower peak wet weather inflow to the WWTP. These improvements are necessary due to the Inflow Removal Plan required by DEQ as part of our NPDES permit.

Projected Budget: \$1,000,000

Proposed Funding: Fund 470 – Wastewater

Sewer Separation Phases:

The Downtown Sewer Separation Projects deal with construction of storm lines, inlets, manholes, and the replacement of sanitary sewer main through the downtown alleys. These phases or drainage basins are rated by the amount of inflow - the higher inflows have a higher priority for replacement.

Downtown Sewer Separation (Phase III) \$907,500 Undetermined

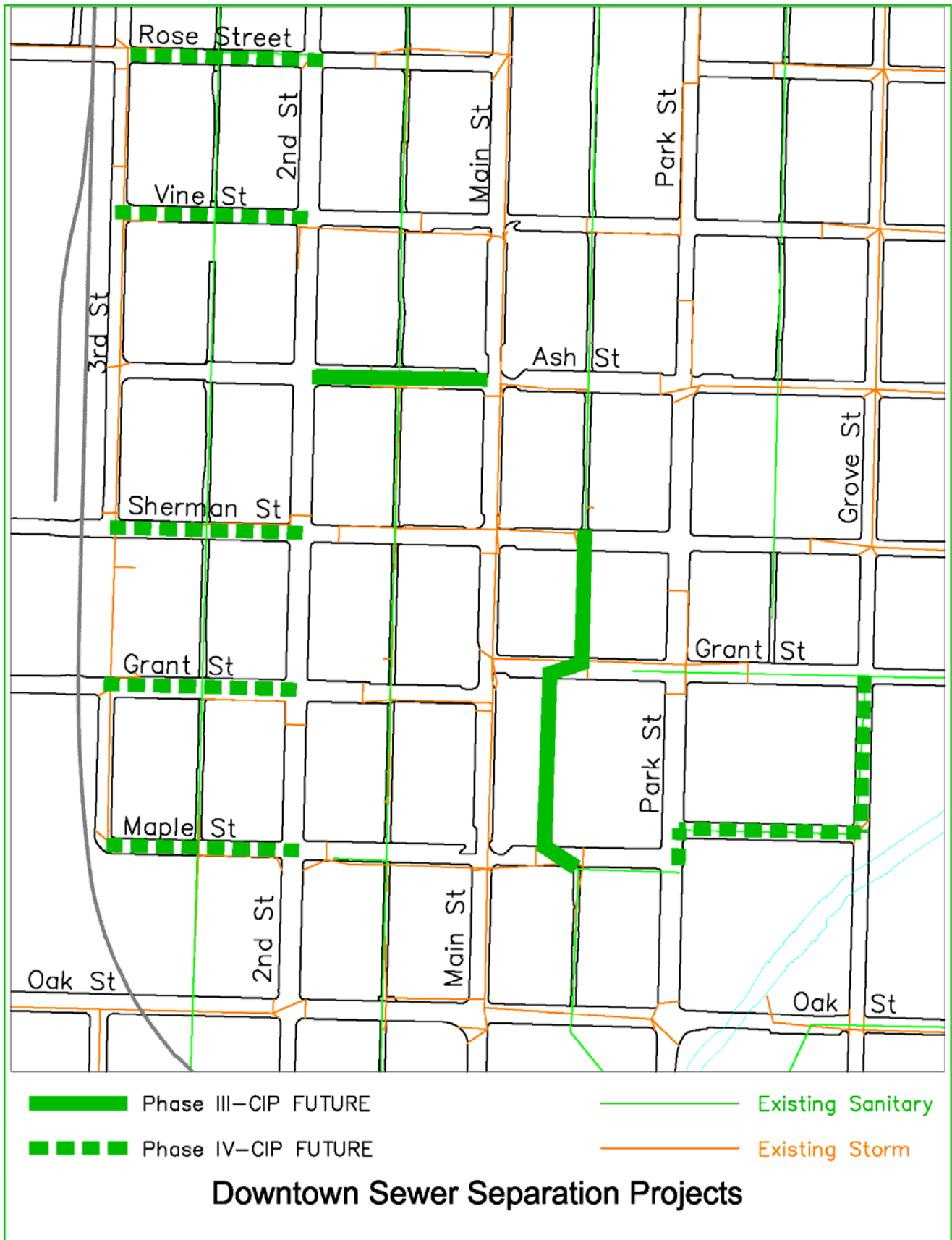
Construction of storm mains through drainage basins: Ash Street (between Main & Second), Second Street (between Ash & Grant), and Grant Street (alley between Main & Park). There are 6 basins scheduled for construction. Complete smoke testing of the last 20% of the collection system.

Downtown Sewer Separation (Phase IV) \$790,500 Undetermined

Construction of storm mains through the drainage basins: Second Street (between Rose & Vine), Sherman Street (alley between Main & Park), Second Street (between Grant & Oak), and Maple (between Main & Park).

Residential Sewer Separation (Phase V) No Estimate On-going

This project will complete the remaining sewer separation outside the downtown core area. This work will focus primarily on cross connections occurring on private property in the residential areas.



THE CITY THAT FRIENDLINESS BUILT

WWTP Upgrades via WWTP Master Plan

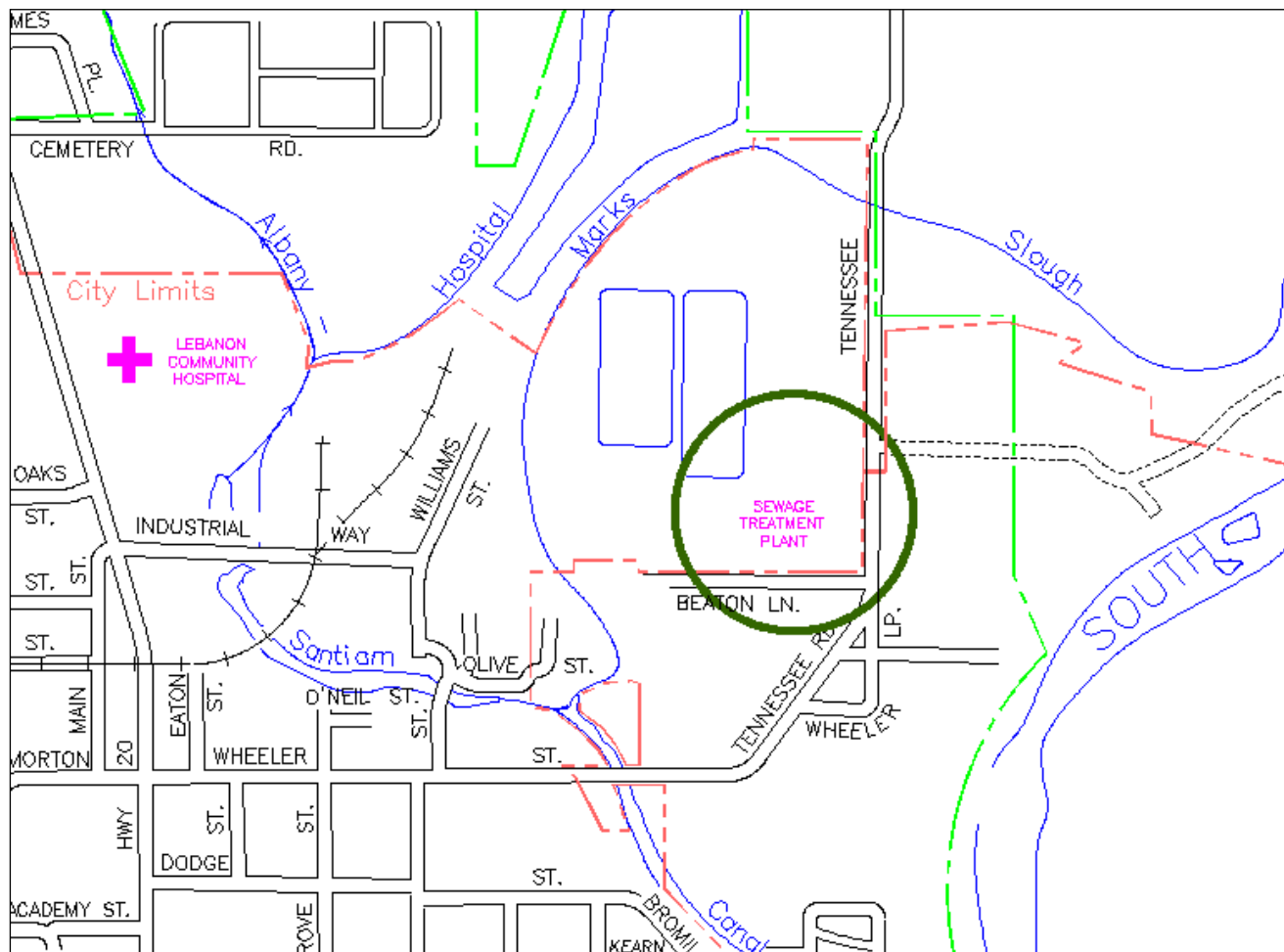
PROJECT YEAR: Future

SUBMITTED BY: Wastewater Treatment Plant Facility Plan and City Staff

DESCRIPTION: Multiple WWTP maintenance and improvement projects.

BUDGET PROJECTION: \$5,000,000

PROPOSED FUNDING: 470 - Wastewater CIP



THE CITY THAT FRIENDLINESS BUILT

CIP Wastewater Accomplishments

2013 WASTEWATER IMPROVEMENTS

FILBERT STREET SEWER REPLACEMENT

Replace the aged and failing mainline and service laterals with new 8-inch PVC main and 4-inch PVC laterals.

JENNINGS STREET SEWER CONSTRUCTION

Install new 8-inch PVC main and 4-inch PVC laterals from the east side of the A.E.R.C. tracks to the intersection of Jennings and Hiatt.

WESTSIDE SANITARY INTERCEPTOR PHASE IV: (Sherman-Airway-Oak)

The project continued the construction of the '99 WSI installing 42-inch pipe from the intersection of 12th and Sherman, heading west along Sherman to Airway, then south along Airway Road to the south side of the Oak/Airway intersection.

2015 WASTEWATER IMPROVEMENTS

SANITARY EXTENSION for NEW WATER TREATMENT PLANT

A new 12" sanitary sewer main was extended from the end of the mainline on Russell Drive at McKinney Lane to the site of the future Water Treatment Plant. The alignment is along Russell Drive to River Road and then south on River Rd to the new Water Treatment Plant.

2017 WASTEWATER IMPROVEMENTS

AIRPORT RD/RUSSELL DR IMPROVEMENTS

A new 12" sanitary sewer main was extended from the end of the main on E. Airport Road to serve mixed use properties along the new alignment of Airport Road and Russell Drive.

'E' STREET SANITARY SEWER REPLACEMENT

A new 8 inch main replaced the aged and failing sanitary main on 'E' Street from 7th east to the Canal.

2018 WASTEWATER IMPROVEMENTS

MAPLE STREET SEWER REPLACEMENT

A new pipe replaces the aged and deteriorated sanitary main on Maple St west of 5th Street.

2019 WASTEWATER IMPROVEMENTS

SANITARY SEWR REPLACEMENT – Alley between Oak & 'A' from 4th St. to 7th St.

A new pipe replaces and extends the aged and deteriorated sanitary main in this neighborhood.

THE CITY THAT FRIENDLINESS BUILT

WATER SYSTEM

THE CITY THAT FRIENDLINESS BUILT

Water System

The City of Lebanon's water system has two components – raw water Treatment and finish water Distribution. The Capital Improvement Program (CIP) for the Water System identifies and prioritizes projects that address water system demands, corrects water flow problems, and to ensure an adequate supply of water for all current and future users while meeting state and federal regulatory requirements.

The highest priority of the water distribution system is fire protection, emergency storage, and reliability. Secondary aspects of the distribution system are capacity, watermain replacement or upsizing, and system extensions.

Most of Lebanon's water distribution is served by a pipe network that is years beyond its designed life span. A large portion of the system consists of steel pipe installed in the 1930's, steel pipe has a usage life of 25-30 years. As a result, significant water loss due to undetected leaks occur, maintenance costs increase, and the reliability of the distribution system is in jeopardy.

To improve the water distribution system, the CIP Water System has focused on replacing waterlines that have a history of leak repairs. The benefits of replacing the old pipes with new ductile iron waterlines are an increase in water pressure and quality (less "rust color" and odor), reduced unaccounted for water loss, and most importantly increased fire protection.

Priority Waterline Replacement

Project Year: 2022-2027

Submitted By: City Staff

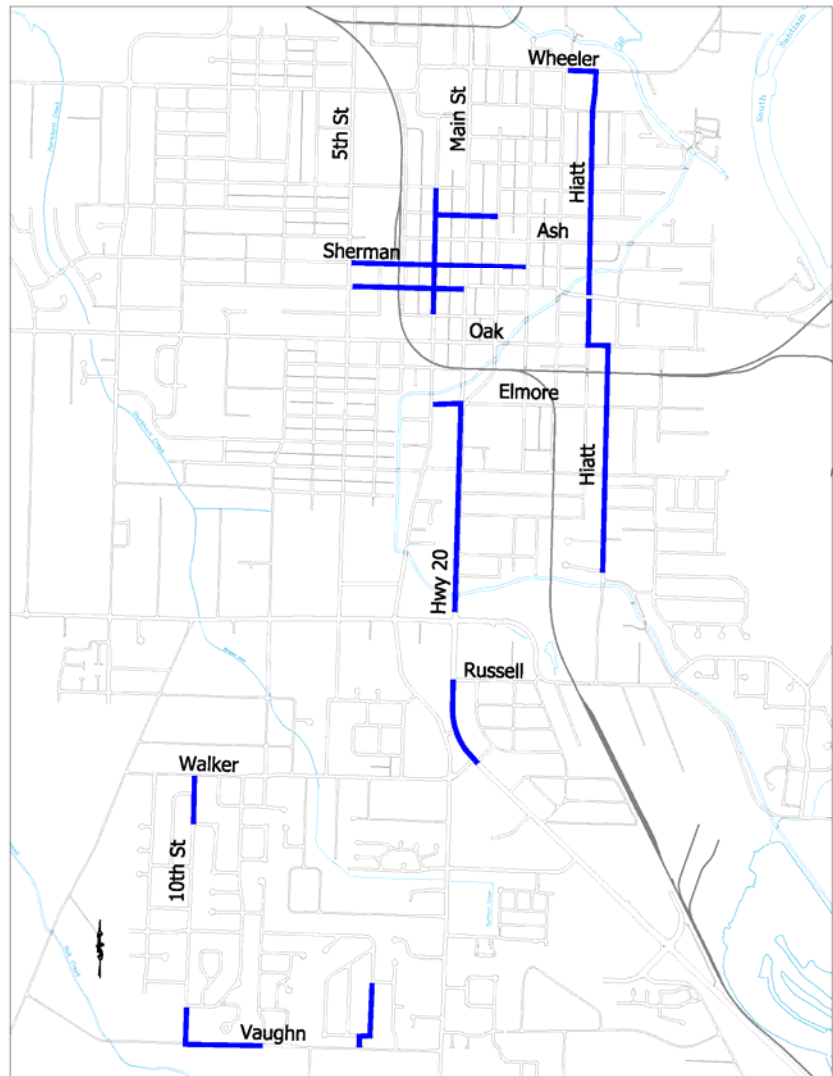
Description: This project will replace and improve the water system in the downtown area of the city. Providing better distribution and increasing flows for fire protection.

Projected Budget: \$400,000 annually

Proposed Funding: Fund 430 – Water

Proposed Locations:

- 2nd Street (Rose – Grant)
- Vine Street (2nd – Park)
- Sherman Street (5th – Grove)
- Grant Street (5th – Main)
- Elmore Street (2nd – Hwy 20)
- Hwy 20 (Russell – Dewey)
- Aspen, Honeysuckle, Columbine
- 10th Street (Walker – Azalea)
- Vaughn Lane (8th/10th - Vaughn - 7th)
- Hiatt/Franklin Street (Grant – River)
 - (Grant – Oak)
 - (Oak – Elmore)
- Elmore (Hiatt – Franklin - Milton)
- Franklin (Milton – River)
- Hiatt Street (Grant – Wheeler)
 - (Grant – Ash)
 - (Ash – Isabella)
 - (Isabella – Dodge)
 - (Dodge – Wheeler – Williams)
- Cedar Drive (S Main – Walker)
 - (S Main – Hazel)
- Hazel (Cedar – Rose - Acorn)
- Acorn (Rose – Walker)



Demolition of 2nd Street Water Treatment Plant

- PROJECT YEAR:** 2022-2023
- SUBMITTED BY:** Water System Master Plan.
- DESCRIPTION:** Demolition of the 2nd Street Water Treatment Plant and the Raw Water Intake removed from the Santiam Canal.
- BUDGET PROJECTION:** \$500,000
- PROPOSED FUNDING:** Fund 430 - Water



THE CITY THAT FRIENDLINESS BUILT

Walker Road Water Mainline Replacement (Stoltz Hill to 6th Street)

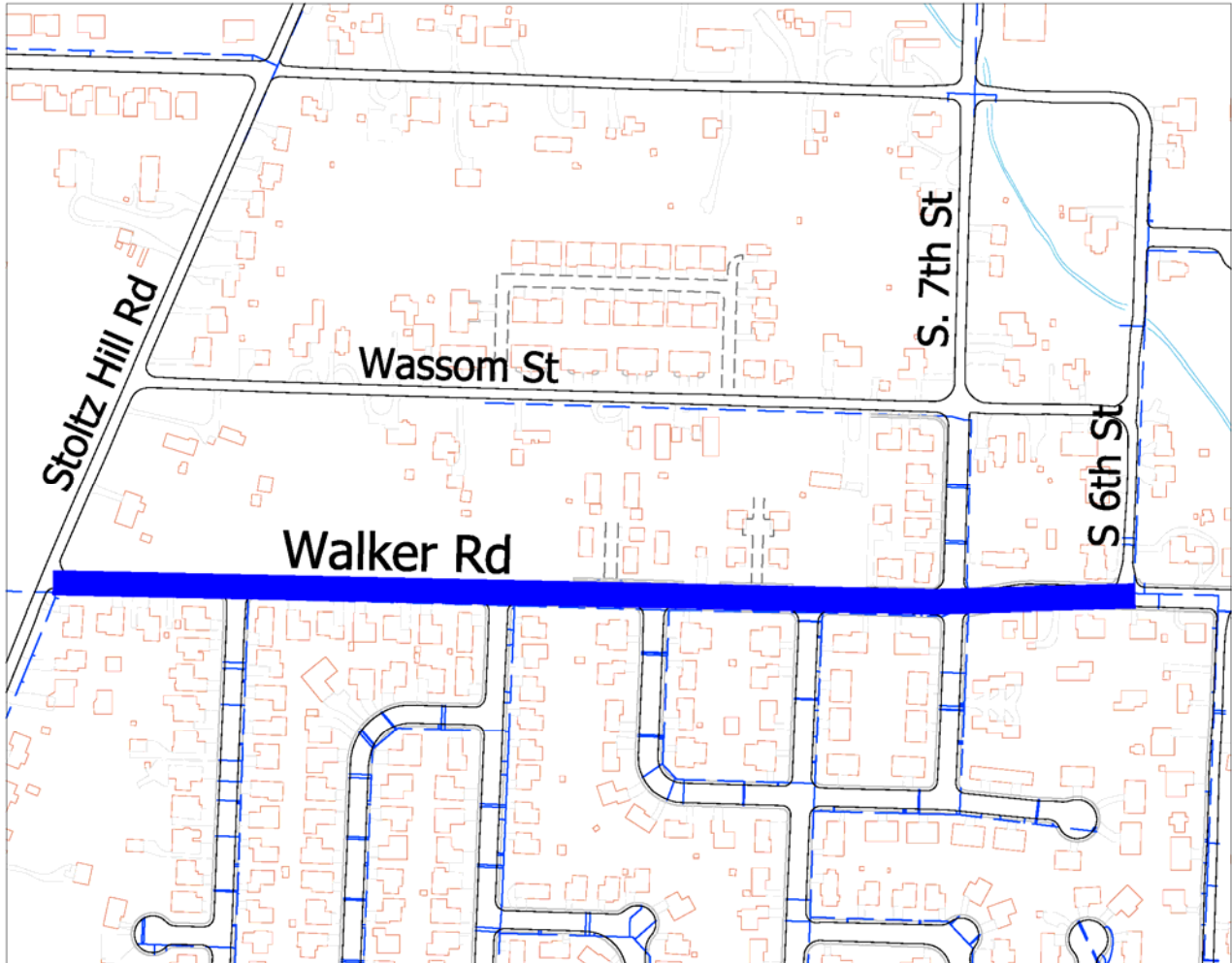
Project Year: 2022–2023

Submitted By: City Staff

Description: In conjunction with the work being performed for the latest phase of the new Westside Interceptor, the proposed water distribution system improvements will install/replace the existing water main.

Projected Budget: \$750,000

Proposed Funding: Fund 430 – Water



THE CITY THAT FRIENDLINESS BUILT

7th Street Water Mainline Installation (Oak Street to 'F' Street)

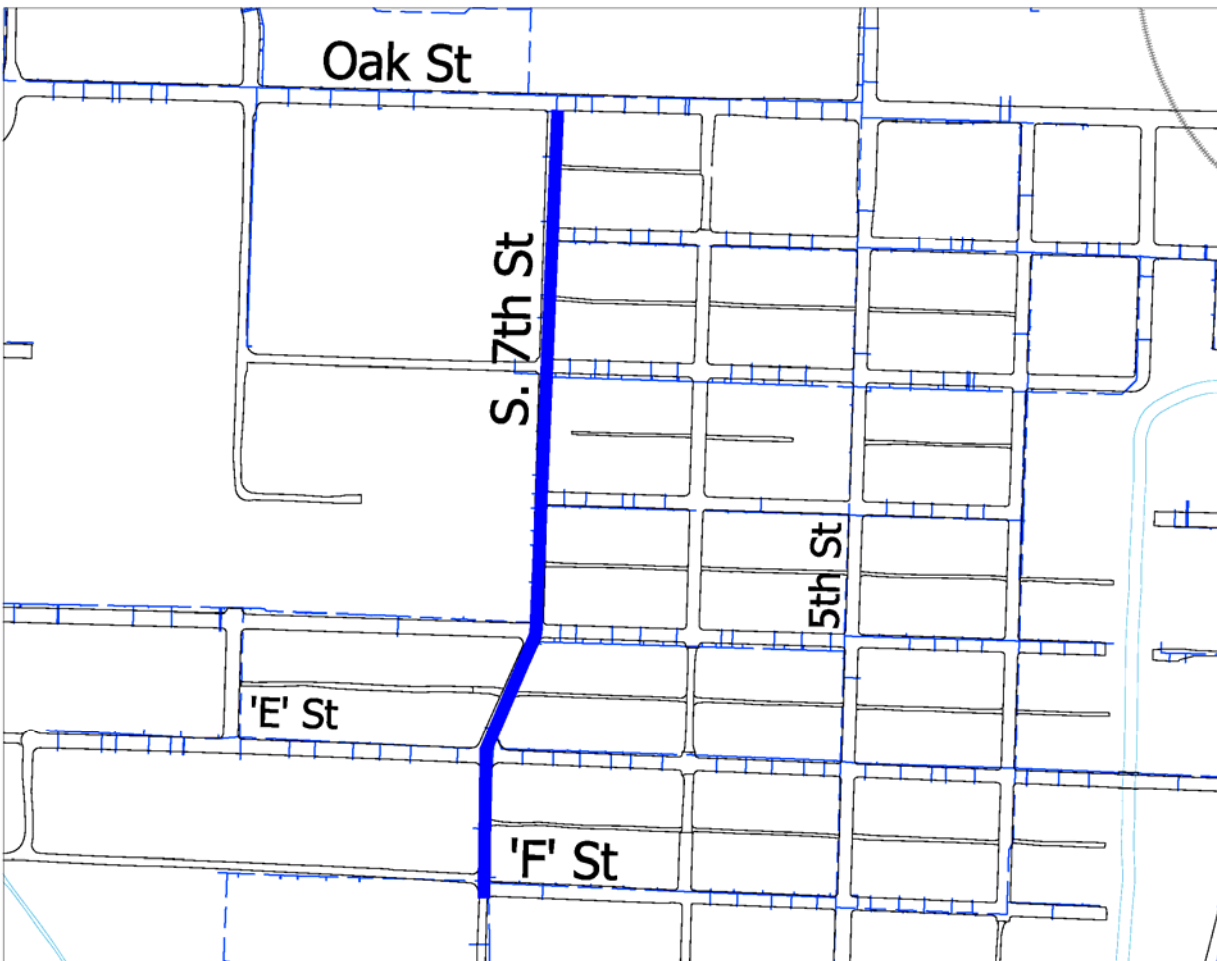
Project Year: 2023–2024

Submitted By: City Staff

Description: Seventh Street between Oak Street and 'F' Street has an aged waterline that needs replacing. This project will install a 12-inch waterline along this length of Seventh Street to provide network connectivity in the area thus increasing pressure and flow for fire protection.

Projected Budget: \$800,000

Proposed Funding: Fund 430 – Water



THE CITY THAT FRIENDLINESS BUILT

Hwy 20 Water Mainline Replacement (Airport Road to Division Way)

Project Year: 2024-2026

Submitted By: City Staff

Description: The existing water main along Santiam Highway (Hwy 20) is a combination of 8-inch and 6-inch asbestos concrete (AC) pipe. The plan to replace this pipe with new 12-inch ductile iron (DI) pipe will upgrade network connectivity from the new WTP thus increasing pressure and flow for fire protection.

Projected Budget: \$1,500,000

Proposed Funding: Fund 430 – Water



THE CITY THAT FRIENDLINESS BUILT

7th Street Water Mainline Installation (Kees Street to Wassom Street)

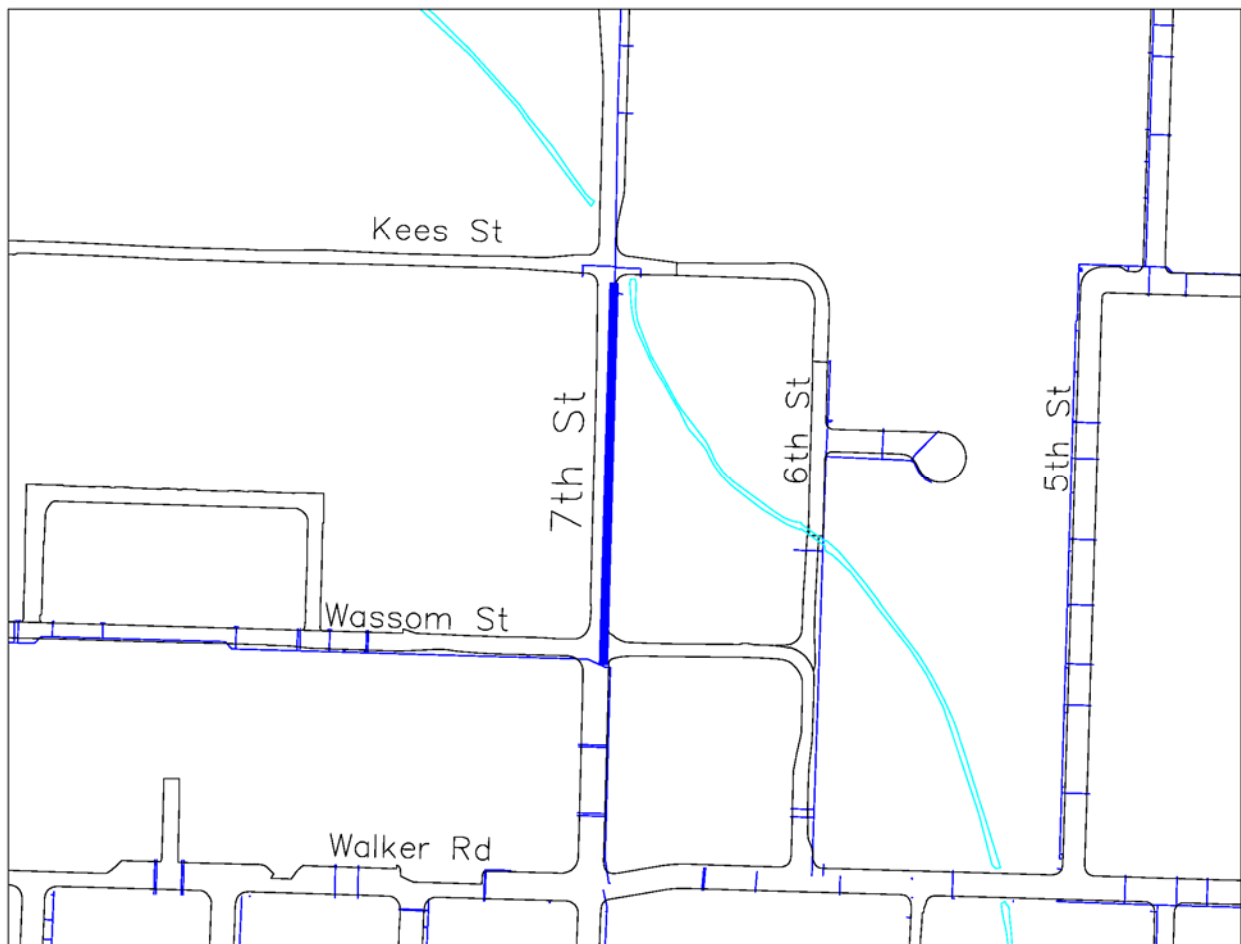
Project Year: Future

Submitted By: City Staff

Description: Seventh Street between Kees and Wassom does not have a waterline installed. This project will install a 12-inch waterline along this block of Seventh Street to provide network connectivity in the area thus increasing pressure and flow for fire protection.

Projected Budget: \$400,000

Proposed Funding: Fund 430 – Water



Grant Street Reservoir Upgrades

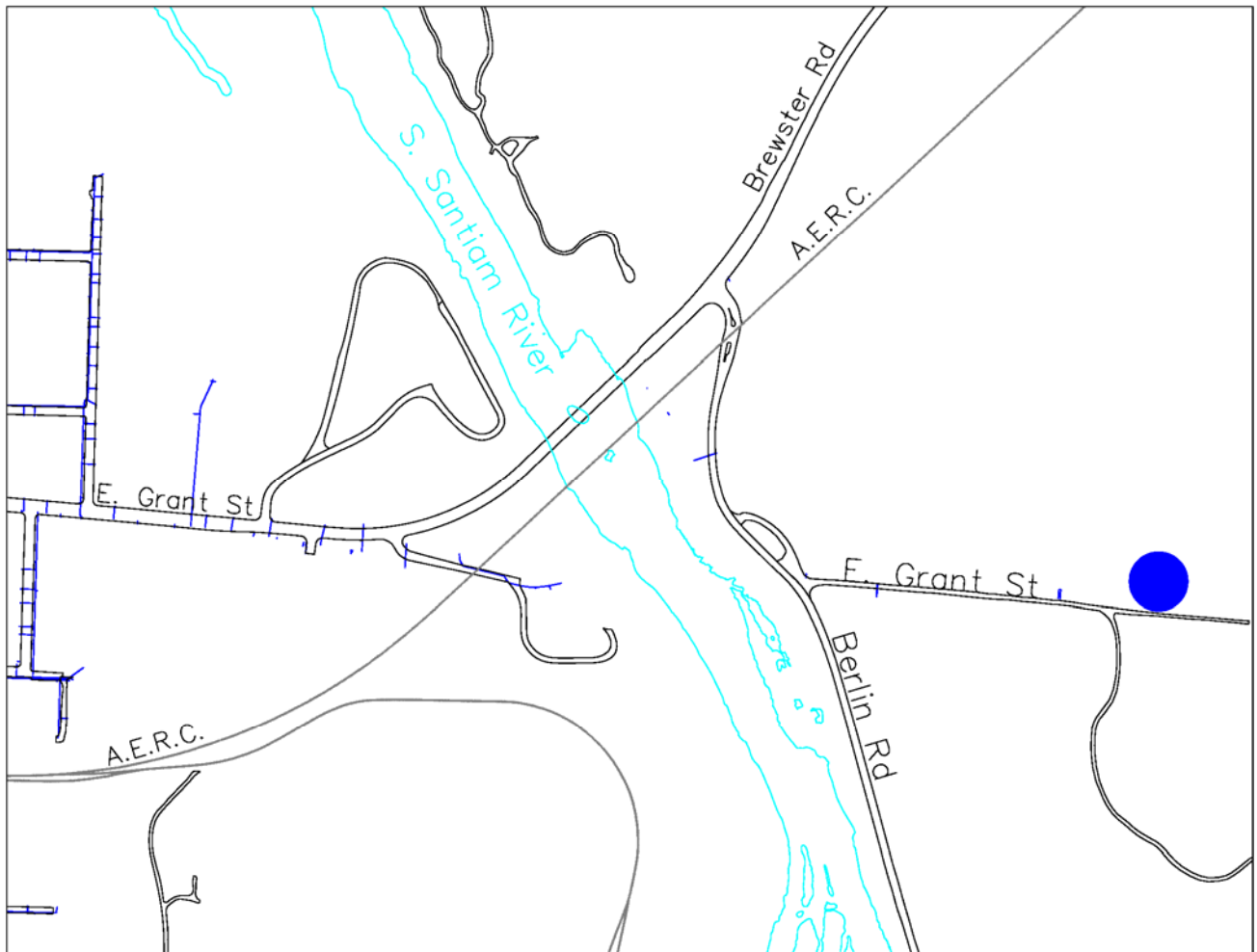
PROJECT YEAR: Future

SUBMITTED BY: Water System Master Plan.

DESCRIPTION: This project will rehabilitate the existing Grant Street reservoir. The reservoir needs to be repainted and have seismic reinforcement installed between the tank and footing.

BUDGET PROJECTION: \$2,000,000

PROPOSED FUNDING: Fund 430 - Water



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CIP Water Accomplishments

2014-2016 WATER IMPROVEMENTS

CASCADE DRIVE WATERLINE INSTALLATION

A 16-inch waterline was extended south along Cascade Drive through the length of the proposed roadway improvements. This new section of waterline completes a portion of the water system perimeter loop as identified in the Water Master Plan

OAK STREET WATER LINE REPLACEMENT

Replaced and added waterline along Oak Street from 5th to the RR-Xing to 2nd Street during the Oak Street Improvement Project

RUSSELL DRIVE/RIVER ROAD WATERLINE EXTENSION

This project constructed a new waterline along Russell Drive and River Road from McKinney Lane east to the River Road WTP and Raw Water Intake site with a 16" ductile iron pipe. This mainline is required to provide greater distribution capacity for the new WTP. It will also complete a portion of the water system perimeter loop as identified in the Water Master Plan.

2017 WATER IMPROVEMENTS

AIRPORT RD/RUSSELL DR IMPROVEMENTS

Extended the 12" water main from the east side of Safeway on E. Airport Road along the new alignment of Airport Road and Russell Drive. Also provided network connectivity at Porter Street and McKinney Lane.

2019 WATER IMPROVEMENTS

WTP PLANT & RIVER ROAD INTAKE

This project constructed a new water treatment plant and raw water intake on River Road. This mainline is required to provide greater distribution capacity for the new WTP. It will also complete a portion of the water system perimeter loop as identified in the Water Master Plan.

2021 WATER IMPROVEMENTS

RIVER ROAD MAINLINE REPLACEMENT: Franklin St to Garvord St

In conjunction with a street replacement project, the City replaced the existing 6-inch asbestos concrete water pipe with a new 8-inch ductile iron pipe to provide network connectivity and fire protection in an area that has seen the development of a lot for multi-family housing.