

Capital Improvement Plan

Town of Yountville, California

'16/'17 thru '20/'21

Project # ST-0004
Project Name Surveys and Monument



Type Improvement **Department** Streets and Transportation
Useful Life **Contact**
Category Project **Priority** 2 Medium
GL Account 20-6000-5900
Object Code 5900-Capital Maintenance
Status Active

Description

It is an industry best practice standard for municipalities to have a book of survey monuments with horizontal and vertical information. When private development or capital improvement projects are designed, the surveyor is required to use the closest monument to ensure that the project is built to the appropriate vertical datum and horizontal coordinate system.

When a subdivision is built, the surveyor is required to set new monuments at intersections, and curves in new streets. The new information about the new monuments is then added to the Monument Book.

It is recommended that the monuments be reset from past Record of Survey information, so a global positioning system (GPS) survey of Town infrastructure can be accurately located for the GIS.

It is recommended that a surveyor be hired to survey several important monuments, reestablish missing centerline monuments, file a Record of Survey, and create a Monument Book. This program should be complete as of FY 2016/17.

Justification

The following Strategic Plan goals apply:
 6.4.1 Implement Key Streets and Sidewalk CIP Projects.
 6.6.4 Evaluate Emerging Technologies and Methods.

Prior	Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
35,000	Gas Tax Fund (20)	25,000	25,000				50,000
Total	Total	25,000	25,000				50,000

Capital Improvement Plan

Town of Yountville, California

'16/'17 thru '20/'21

Project # ST-0006
Project Name Hopper Creek Bridge Barrier Rail



Type Improvement **Department** Streets and Transportation
Useful Life **Contact**
Category Project **Priority** 2 Medium
GL Account
Object Code
Status Active

Description

The Town owns and maintains several bridge crossings over Hopper Creek in various locations. A number of these bridges were constructed prior to the 1950's and the Town's incorporation in 1965. As these bridges are reaching a useful service life in excess of fifty (50) years it is appropriate to evaluate the bridge decks, bridge railings and barriers, approaches, and pedestrian access for compliance with current engineering design standards.

Staff has identified the following bridge crossings as having bridge railings, barriers and approaches that do not meet 2011 engineering design standards:

- Washington Street over Hopper Creek
- Jefferson Street over Hopper Creek

These projects will be similar to that of the Finnell Road Bridge Repair and Enhancement Project (ST-51), which was completed in 2010. Each project will be site specific, but will address drainage in the area and install curbs and visual barriers along the existing bridge. The Project will evaluate providing a pedestrian crossing and/or dedicated space at Jefferson Street where no dedicated pedestrian crossing currently exists.

Street lighting will also be evaluated as a potential part of this project to enhance the safety and visibility of the bridge and crosswalk.

Funding for the project is comprised from several sources including impact fees, gas tax funding, and General Fund contributions. Engineering and design for these projects was initiated in FY 2015-16.

Justification

The following Strategic Plan goals apply:
 1.1.2 Protecting Community Health and Safety.
 6.4.1 Implement Key Streets and Sidewalk CIP Projects

Prior	Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
65,000	Capital Projects Fund (50)	90,000					90,000
Total	Total	90,000					90,000

Capital Improvement Plan
Town of Yountville, California

'16/'17 thru '20/'21

Project # ST-0015
Project Name Yountville Crossroads Street Reconstruction



Type Improvement **Department** Streets and Transportation
Useful Life **Contact**
Category Project **Priority** 2 Medium
GL Account 50-6000-5400
Object Code 5400-Infrastructure
Status Active

Description

Yountville Crossroads has a current PCI 43 and will have a full reconstruction of the street. A review of our most recent paving projects that are similar have been estimated for the costs as they pertain to this project. At the same time staff is evaluating the potential to include a Class 1 bike path as well as installing basic needs for conduits for an eventual undergrounding project. This will allow for minimal impact to the road if, and when an undergrounding project is undertaken. These design and construction elements will cause an increase to the estimated costs that have been provided for this project. The water main and services will also need to be included along with the street reconstruction project, but will be a water utility cost (WA-0008).

Justification

The following Strategic Plan goals apply:
 1.1.2 Protecting Community Health and Safety.
 2.1 Maintain & Enhance the Appearance of Yountville.
 6.4.1 Implement Key Streets and Sidewalk CIP Projects.

Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Capital Projects Fund (50)	600,000					600,000
Total	600,000					600,000

Capital Improvement Plan
Town of Yountville, California

'16/'17 thru '20/'21

Project # ST-0016
Project Name Heather St and Heritage Ct Emergency Access Route



Type Unassigned **Department** Streets and Transportation
Useful Life **Contact** Public Works Director
Category Project **Priority** n/a
GL Account 50-6000-5400
Object Code 5400-Infrastructure

Status Active

Description

This emergency pass through, when constructed will allow emergency vehicles to pass through between Heritage and Toyon terrace neighborhoods should that need arise. The pass through will be constructed with grass block or a similar material. This project will allow vehicle access only during an emergency with a series of bollards or some natural obstruction to prohibit other than emergency use. This project is consistent with the Town Council adopted policy in the 2015 Circulation Element.

Justification

1.1.2 Protecting Community Health and Safety
 1.3.4 Emergency Preparedness and Response
 6.4.1 Implement Key Streets and Sidewalk CIP Projects

Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Capital Projects Fund (50)		50,000				50,000
Total		50,000				50,000

Capital Improvement Plan

Town of Yountville, California

'16/'17 thru '20/'21

Project #	ST-3017
Project Name	Annual Street Maintenance and Paving Program



Type	Improvement	Department	Streets and Transportation
Useful Life		Contact	
Category	Program	Priority	1 High
GL Account	50-6000-5400		
Object Code	5400-Infrastructure		
		Status	Active

Description

The Annual Street Maintenance Program is the Town's annual program for routine maintenance and repair of public streets throughout the Town. The Public Works Engineering Department assesses the condition of roadways and designs projects to repair and mitigate travelway damage, and extend the service life of the travelway. The Pavement Management Program (PMP) and yearly field review are the primary tools for determining the priority and appropriate method of roadway maintenance and rehabilitation.

Slurry seals or micro-surfacing are ideal for roads that are still in good condition, and can extend the usable life of the existing road surface by three to five years. The length of time depends on the type of traffic, volume of traffic, total number of trips, and other factors.

If a street has a Pavement Condition Index (PCI) between 50 and 70, then it should have a thin overlay or seal coat (cape seal). If a street has a PCI about 70, then it should receive a micro-surfacing, which is about \$0.30 per square foot. It is common practice to Micro-surface a street approximately every 10 years. If the Pavement Condition Index (PCI) is less than 50, then it may require a full reconstruct. The design standard and intent of the Public Works team is such that with proper maintenance the pavement should last at least 25 years.

Typically, Gas Tax and Traffic Facilities Impact Fee funds contribute to project funding. In November 2012, Napa County voters passed Measure "T" by a 2/3 vote to continue a 1/2 cent sales tax for street maintenance in 2018.

Justification

The following Strategic Plan goals apply:

- 1.1.2 Protecting Community Health and Safety.
- 2.1 Maintain & Enhance the Appearance of Yountville.
- 6.4.1 Implement Key Streets and Sidewalk CIP Projects.
- 6.4.3 Complete Accessibility Implementation Plan.

Prior	Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total	Future
200,000	Gas Tax Fund (20)	0	300,000	300,000	300,000	300,000	1,200,000	600,000
Total	Total	0	300,000	300,000	300,000	300,000	1,200,000	Total

Capital Improvement Plan

Town of Yountville, California

'16/'17 thru '20/'21

Project # ST-4017
Project Name Traffic Calming



Type Improvement **Department** Streets and Transportation
Useful Life **Contact**
Category Program **Priority** 2 Medium
GL Account
Object Code
Status Active

Description

This is the Town's program for addressing various traffic calming needs and issues throughout the Town. This program may be used in concert with other programs such as Pedestrian Walkways (CP-3011).

The projects and work performed as a part of this program are guided by the recommendations of the Circulation Element which was adopted by the Town Council at The March 3, 2015 Town Council meeting.

Locations will be reviewed and selected for improvement from a variety of methods and sources.

Based on traffic patterns, traffic studies, and public input, the following locations have been identified as desirable future locations for the program:

POSSIBLE FUTURE PROJECT:
 Crosswalk and bulb-out at Creek St. and Washington St.
 Diagonal Parking on west side of Washington from Hopper Creek to Webber Ave with development of property.
 South Washington St at Town Limits

Justification

The following Strategic Plan goals apply:
 1.1.2 Protecting Community Health and Safety.
 2.1 Maintain & Enhance the Appearance of Yountville.
 6.4.1 Implement Key Streets and Sidewalk CIP Projects.

Prior	Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
30,000	Gas Tax Fund (20)	30,000	30,000				60,000
Total	Total	30,000	30,000				60,000

Capital Improvement Plan

Town of Yountville, California

'16/'17 thru '20/'21

Project #	ST-5017
Project Name	Streetlight Replacement



Type	Improvement	Department	Streets and Transportation
Useful Life		Contact	
Category	Program	Priority	2 Medium
GL Account	50-6000-5400		
Object Code	5400-Infrastructure		
		Status	Active

Description

The Town owns, maintains or contracts with Pacific Gas & Electric (PGE) to provide street lighting along a number of Town streets. The replacement program replaces the Town's existing mix of a variety of light standards and fixtures with a more cohesive and uniform system of lighting, which the Town Council adopted. These would include street lights, lighting around public buildings, and in parks and public recreation areas. This replacement program is intended to replace the existing streetlights and related lights with newer energy efficient LED lighting and site appropriate lighting that will unify the appearance and feel of lighting throughout Town.

In addition to increased energy efficiency, the fixtures will also help to reduce nighttime light pollution. The Town's current streetlight fixtures do not meet the Town's adopted night sky ordinance requirements. Installation of new energy efficient lighting will reduce the Town's current lighting expenditures. The streetlight replacement program project will ultimately provide a unified look and feel to the lighting that will meet the needs of the Town well in to the future.

The total number of existing street lights at this time is approximately 214, with about half owned and maintained by the Town. In 2014/15 town projects completed 32 additional light installations. The new sidewalk at Washington and South Washington included 6. There were Five new lights added to the Hopper Creek project at Finnell. Town staff is working on replacing 12 lights in the Oak Circle neighborhood., with 7 new light added at Yountville Community Park. These are core pedestrian corridors and areas where additional lighting will help to improve safety. The project will move into residential neighborhoods and areas that do not currently have streetlights. Per Town Council policy, the Town will replace any damaged streetlight or streetlight needing to be replaced for structural safety with the new Town standard light design. Any new streetlight installed or replaced will become Town owned and maintained if it is not already.

As of 2011, 167 street lights have been retrofitted or replaced from high pressure sodium to light emitting diode (LED) as a part of this project.

This is an ongoing project that will take several years and funding cycles to complete. Potential funding source(s) is a combination of Capital Projects (50), Streets/Gas Tax Funds, PGE program rebates, potential State and Federal grants, and developer construction requirements for new development or significant new redevelopment.

Justification

The following Strategic Plan goals apply:

- 1.1.2 Protecting Community Health and Safety.
- 2.1 Maintain & Enhance the Appearance of Yountville.
- 6.4.1 Implement Key Streets and Sidewalk CIP Projects.
- 2.5 Environmental Sustainability

Prior	Funding Sources	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total	Future
57,000	Measure T		100,000	50,000	25,000	25,000	200,000	75,000
	Street Reserves (21)	75,000					75,000	
Total	Total	75,000	100,000	50,000	25,000	25,000	275,000	Total