

DEPARTMENTAL PURPOSE

Public Works Divisions are responsible for providing and maintaining a safe, reliable roadway network and associated infrastructure in unincorporated Solano County for the benefit of the travelling public.

Budget Summary:	
FY2016/17 Third Quarter Projection:	23,341,427
FY2017/18 Recommended:	18,906,366
County General Fund Contribution:	0
Percent County General Fund Supported:	0%
Total Employees (FTEs):	64

FUNCTION AND RESPONSIBILITIES

The Public Works Budget for the Department of Resource Management consists of two organizational Divisions – Operations and Engineering. These units receive general direction from the Director of Resource Management, have administrative authority over the unincorporated areas of the county, and provide a variety of legally mandated and non-mandated programs and services as summarized below:

Public Works Operations Division

Public Works Operations’ primary responsibilities are to:

- Maintain 578 miles of County roads and bridges, including pavement surfaces, roadside drainage ditches and culverts, vegetation management, signing and striping, sidewalks, curbs, gutters, and gravel roads.
- Maintain 93 bridges and 42 large drainage culverts, including the bridge/culvert structures, the roadway surfaces and the associated drainage channels within the road rights-of-way.
- Perform maintenance work on road, airport, parking lot, and drainage facilities for County departments and other agencies on a reimbursable basis.
- Maintain 45 miles of drainage channels under contract with the Solano County Water Agency.

Public Works Engineering Division

Public Works Engineering’s primary responsibilities are to:

- Design and construct County roads and bridges, including major road and bridge rehabilitation and reconstruction projects.
- Participate in regional transportation planning and the development of regional transportation projects as a member agency of the Solano Transportation Authority (STA).

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- Provide traffic engineering services, including traffic orders and signage.
 - Issue various permits, including transportation, encroachment, grading and assembly permits.
 - Secure/account for various transportation funding sources utilized in the design and construction of the County Transportation system.
 - Provide engineering, surveying and construction work on road, airport, parking lot, and drainage facilities for County departments and other agencies on a reimbursable basis.
 - Provide County Surveyor Services (see separate budget).
 - Contract with local public agencies to maintain Solano County's three traffic signals.
 - Contract with PG&E and local contractors to maintain Solano County's 607 existing street lights and install additional lights as needed. Costs are reimbursed from the Consolidated County Service Area budget.
 - Administer the County's storm water pollution prevention program.
 - Administer the County's Road State Match Program which tracks approximately \$100,000 in revenues received annually from the state, such as state matching funds. These state funds can be used to provide matching funds on federally funded projects.
 - Staff and administer the County's Federal Roads & Bridge Projects, including tracking all the expenditures related to federally funded projects as well as federal reimbursements. Public Works Engineering uses the federal funds to pay for the replacement and rehabilitation of deficient bridges, the paving of federally eligible roads and the construction of road improvement projects. The funds come from a variety of federal programs, and reimburse the County for project costs at a rate ranging from 80 to 100 percent, depending on the specific program.

Administrative Support

Administration supports the Division by handling incoming phone calls and inquiries; maintaining and assisting with accounting, recordkeeping, inventories, fees, imaging processing and retention schedules; and data processing information system operations.

SIGNIFICANT CHALLENGES AND ACCOMPLISHMENTS

- Achieved a pavement condition index of 81 (up from 77), which is an average of the County's road pavement conditions. This ranking places Solano County roads in the "very good" category and among the highest ranked jurisdictions in the Bay Area for road pavement condition.
- Delivered a significant number of construction projects by completing construction on Vacaville Dixon Bike Route – Hawkins Road, Hartley Road – Rockville Road Safety Improvements, Dixon Avenue West – Putah Creek Road Safety Improvements, installation of Metal Beam Guardrail Project, completion of the Steiger Hills Road Storm Repair Project, completion of Cordelia Campus Driveway Improvements, and the Winters Road Bridge.

WORKLOAD INDICATORS

- Chip-sealed 53 miles of County roads on 44 roads to extend the life of the paved surfaces.
- Completed work on 7 moderate to large sized road improvement projects.
- Continued engineering work on three different bridges at various stages of project development.

Functional Area Summary

**3010 – Fund 101-Public Works
Bill Emlen, Director of Resource Management
Public Ways**

DETAIL BY REVENUE AND APPROPRIATION FUNCTIONAL AREA	2015/16 ACTUAL	2016/17 ADOPTED BUDGET	2017/18 RECOMMENDED	FROM ADOPTED TO RECOMMENDED	PERCENT CHANGE
REVENUES					
ROADS STATE MATCH PROGRAM	100,000	100,000	100,000	0	0.0%
FEDERAL ROADS & BRIDGE PROJECTS	6,428,675	3,506,000	5,210,000	1,704,000	48.6%
ENGINEERING SERVICES	919,533	470,748	825,540	354,792	75.4%
OPERATION ROAD SERVICES	695,852	635,200	627,723	(7,477)	(1.2%)
ADMINISTRATIVE SERVICES	9,109,080	8,879,832	9,204,936	325,104	3.7%
TOTAL REVENUES	17,253,140	13,591,780	15,968,199	2,376,419	17.5%
APPROPRIATIONS					
FEDERAL ROADS & BRIDGE PROJECTS	7,315,901	3,680,895	4,606,300	925,405	25.1%
ENGINEERING SERVICES	4,003,023	4,013,030	3,901,803	(111,227)	(2.8%)
OPERATION ROAD SERVICES	6,382,092	7,832,019	8,139,529	307,510	3.9%
ADMINISTRATIVE SERVICES	2,172,804	2,184,604	2,258,734	74,130	3.4%
TOTAL APPROPRIATIONS	19,873,820	17,710,548	18,906,366	1,195,818	6.8%
NET CHANGE					
ROADS STATE MATCH PROGRAM	(100,000)	(100,000)	(100,000)	0	0.0%
FEDERAL ROADS & BRIDGE PROJECTS	887,226	174,895	(603,700)	(778,595)	(445.2%)
ENGINEERING SERVICES	3,083,490	3,542,282	3,076,263	(466,019)	(13.2%)
OPERATION ROAD SERVICES	5,686,240	7,196,819	7,511,806	314,987	4.4%
ADMINISTRATIVE SERVICES	(6,936,275)	(6,695,228)	(6,946,202)	(250,974)	3.7%
NET CHANGE	2,620,681	4,118,768	2,938,167	(1,180,601)	(28.7%)
STAFFING					
ROADS STATE MATCH PROGRAM	0	0	0	0.0	0.0
FEDERAL ROADS & BRIDGE PROJECTS	0	0	0	0.0	0.0
ENGINEERING SERVICES	17	17	17	0.0	0.0
OPERATION ROAD SERVICES	42	42	42	0.0	0.0
ADMINISTRATIVE SERVICES	5	5	5	0.0	0.0
TOTAL STAFFING	64	64	64	0.0	0.0

DEPARTMENTAL BUDGET SUMMARY

The Recommended Budget represents increases of \$2,376,419 or 17.5% in revenues and \$1,195,818 or 6.8% in appropriations when compared to the FY2016/17 Adopted Budget.

The increase in revenue is largely a result of a \$1,779,000 increase in federal funding due to more federal projects planned for FY2017/18.

The increase in appropriations primarily reflects a \$867,269 increase in Services and Supplies for more federal project activity. Any gap between projected revenues and appropriations in FY2017/18 will be funded by the Road Fund Reserve.

The primary funding source for Public Works is the Highway Users Tax Assessment (HUTA), commonly referred to as the gas tax, and property taxes. There are two components of the HUTA, often referred to as old HUTA and new HUTA. Old HUTA consists of Solano County’s portion of the federal gas tax which was established at 18.4 cents per gallon in 1995. There has been no adjustment for inflation since then, so the buying power of the funding has decreased substantially with time.

New HUTA represents Solano County’s portion of the State’s gas tax established in 2010, which is indexed on the price of gas and includes an inflation index. The significant reduction in the price of gas over the last few years has substantially reduced the gas tax revenue that the County receives. The State voted to adjust the excise tax downward in FY2016/17 due to the declining price of fuel, but has indicated the potential for a 3-4% increase in FY2017/18.

Public Works anticipates receiving a total of \$7,903,024 million of HUTA funding in FY2017/18 and \$1,099,732 million in property taxes. Public Works also receives federal funding on a project specific reimbursement basis. In FY2017/18, \$5,155,000 million in federal funding is anticipated.

Non-federal public works contracts included in the FY2017/18 Recommended Budgets are:

- \$659,000 for Microsurfacing Project 2017, funded by the Road Fund.
- \$200,000 for Regional Transportation Impact Fee (RTIF) Improvements 2017, funded by RTIF funds.
- \$40,000 for Metal Beam Guardrail Project 2017, funded by insurance reimbursements.

Notable Federally funded projects included in the FY2017/18 budget are:

- \$1,835,000 for Phase 2 Farm to Market improvements in the Suisun Valley Priority Conservation Area.
- \$1,220,000 for Surface Transportation Project Overlay 2017.
- \$770,000 for Cordelia Road – Lake Herman Road Safety Improvements.
- \$370,000 in federal funds for construction engineering services on the projects mentioned above.
- \$250,000 for Stevenson Road Bridge right of way acquisition.

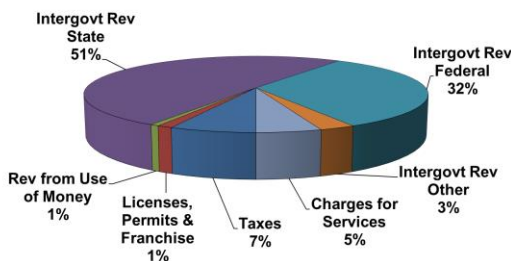
See related Budget Unit 9401 – Fund 101 Contingencies (refer to Contingencies section of the Budget).

DEPARTMENT COMMENTS

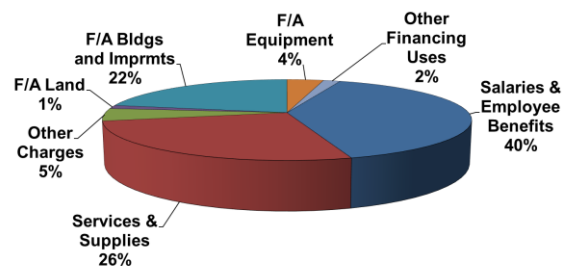
Due to an ongoing decrease in gas tax revenue, the Department has significantly reduced discretionary project expenditures. While the needs exist for a number of these projects, they will be deferred until new or alternative sources of funding (federal, state, or special grant) are available. Projects with current federal grant monies have become the focus of project delivery, which include a number of safety improvements and bridge replacements, but the mix of projects will likely need to be adjusted based upon California legislature’s recent passing of SB-1-2017 Transportation funding.

The Department maintains a broad capital improvement plan with some unfunded projects. When the revenue outlook improves, the Department will return to the Board to set additional priorities and begin new projects.

SOURCE OF FUNDS



USE OF FUNDS



Functional Area Summary

DETAIL BY REVENUE CATEGORY AND APPROPRIATION CATEGORY	2015/16 ACTUAL	2016/17 ADOPTED BUDGET	2017/18 RECOMMENDED	FROM ADOPTED TO RECOMMENDED	PERCENT CHANGE
REVENUES					
TAXES	1,178,306	1,155,821	1,099,732	(56,089)	(4.9%)
LICENSES, PERMITS & FRANCHISE	200,668	194,100	196,500	2,400	1.2%
REVENUE FROM USE OF MONEY/PROP	114,443	114,000	109,000	(5,000)	(4.4%)
INTERGOVERNMENTAL REV STATE	8,022,419	7,656,471	8,011,321	354,850	4.6%
INTERGOVERNMENTAL REV FEDERAL	6,379,698	3,376,000	5,155,000	1,779,000	52.7%
INTERGOVERNMENTAL REV OTHER	84,387	130,000	455,000	325,000	250.0%
CHARGES FOR SERVICES	817,352	804,103	827,946	23,843	3.0%
MISC REVENUE	34,867	41,285	1,700	(39,585)	(95.9%)
OTHER FINANCING SOURCES	421,000	90,000	112,000	22,000	24.4%
GENERAL FUND CONTRIBUTION	0	30,000	0	(30,000)	(100.0%)
TOTAL REVENUES	17,253,140	13,591,780	15,968,199	2,376,419	17.5%
APPROPRIATIONS					
SALARIES AND EMPLOYEE BENEFITS	6,909,194	7,448,357	7,506,355	57,998	0.8%
SERVICES AND SUPPLIES	3,226,405	4,135,223	5,002,492	867,269	21.0%
OTHER CHARGES	741,225	835,835	941,189	105,354	12.6%
F/A LAND	0	250,000	260,000	10,000	4.0%
F/A BLDGS AND IMPRMTS	8,191,076	3,947,000	4,145,000	198,000	5.0%
F/A EQUIPMENT	412,052	807,000	720,000	(87,000)	(10.8%)
OTHER FINANCING USES	393,866	287,133	331,330	44,197	15.4%
TOTAL APPROPRIATIONS	19,873,819	17,710,548	18,906,366	1,195,818	6.8%
NET CHANGE	2,620,680	4,118,768	2,938,167	(1,180,601)	(28.7%)

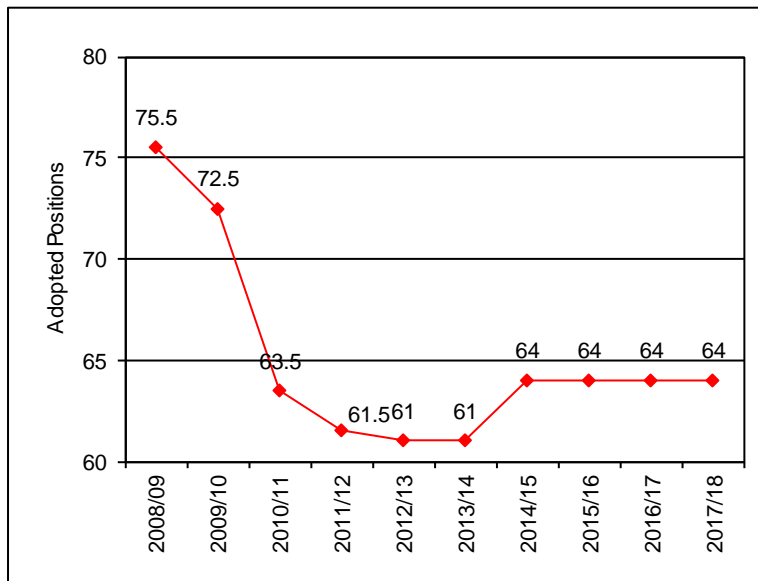
SUMMARY OF SIGNIFICANT ADJUSTMENTS

None.

SUMMARY OF POSITION CHANGES

There are no changes in position allocation.

STAFFING TREND



PENDING ISSUES AND POLICY CONSIDERATIONS

In April 2017, the passage of the SB-1-2017 Transportation funding Gas Tax revenue package was approved by the legislature and signed by the Governor. The new revenue consists of several sources that will be made available for road maintenance and safety projects, beginning in November, 2017. Portions of the tax revenue sources phase in during FY2018/19 and FY2019/20.

While FY2017/18 has a reduced project load from FY2016/17, the Department anticipates increased construction project delivery in FY2018/19 and beyond and will return in FY2018/19 with recommended changes to the Road Improvement Plan and additional budget changes for further Board consideration and action.

Summary of Other Administered Budgets

3010 – Fund 101-Public Works
Bill Emlen, Director of Resource Management
Public Ways

DETAIL BY REVENUE AND APPROPRIATION OTHER ADMINISTERED BUDGETS	2015/16 ACTUAL	2016/17 ADOPTED BUDGET	2017/18 RECOMMENDED	FROM ADOPTED TO RECOMMENDED	PERCENT CHANGE
REVENUES					
3030 REGIONAL TRANSPORTATION PROJ	0	11,000	13,000	2,000	18.2%
3020 PUBLIC WORKS IMPROVEMENT	113,301	65,800	86,000	20,200	30.7%
APPROPRIATIONS					
3030 REGIONAL TRANSPORTATION PROJ	10,000	11,000	13,000	2,000	18.2%
3020 PUBLIC WORKS IMPROVEMENT	322,000	1,000	1,000	0	0.0%
NET CHANGE					
3030 REGIONAL TRANSPORTATION PROJ	(10,000)	0	0	0	0.0%
3020 PUBLIC WORKS IMPROVEMENT	(208,699)	64,800	85,000	20,200	31.2%

A summary of the budgets administered by the Public Works Department is provided on the following pages.

FUNCTION AND RESPONSIBILITIES

This Budget tracks funds for regional transportation projects. Regional transportation projects typically consist of local roads that provide major points of access to the State highway system, or provide regional connections between communities and key transportation facilities. The Public Works Engineering Division of the Department of Resource Management typically represents the County in the planning and implementation of such projects, many of which are coordinated with the Solano Transportation Authority (STA).

In FY2006/07 the Board of Supervisors approved a loan up to \$3 million from the General Fund to support regional transportation projects, with the goal of repaying the loan with future transportation impact fees. The current loan outstanding as of June 30, 2017 is \$881,000.

On December 3, 2013 the Board adopted a resolution as part of the County Public Facilities Fee (PFF) Update which included a transportation fee component. This fee was established as a means to address the impact of growth on the county regional road system. The transportation fee has two parts: The first part, Part A, of the fee is designed to generate fair-share funding from new development to recover County debt service obligations on the Vanden Road segment of the Jepson Parkway and Suisun Parkway in the unincorporated area. The second part, Part B, is the Regional Transportation Impact Fee (RTIF), which was included at the request of the Solano Transportation Authority (STA), in consultation with the STA's RTIF Policy Committee, composed of the seven City Managers, the Mayors, County Administrator, and one County Supervisor. The County will receive approximately five (5) percent of all RTIF fee revenue for county road projects. This revenue is reflected in the Public Facilities Fund (Fund 296).

DEPARTMENTAL BUDGET SUMMARY

The Recommended Budget represents increases of \$2,000 or 18.2% in revenues and \$2,000 or 18.2% in appropriations when compared to the FY2016/17 Adopted Budget, which represents long-term debt proceeds and the interest payment towards the debt.

DETAIL BY REVENUE CATEGORY AND APPROPRIATION CATEGORY	2015/16 ACTUAL	2016/17 ADOPTED BUDGET	2017/18 RECOMMENDED	FROM ADOPTED TO RECOMMENDED	PERCENT CHANGE
REVENUES					
OTHER FINANCING SOURCES	0	11,000	13,000	2,000	18.2%
TOTAL REVENUES	0	11,000	13,000	2,000	18.2%
APPROPRIATIONS					
OTHER CHARGES	10,000	11,000	13,000	2,000	18.2%
TOTAL APPROPRIATIONS	10,000	11,000	13,000	2,000	18.2%
NET CHANGE	10,000	0	0	0	0.0%

SUMMARY OF SIGNIFICANT ADJUSTMENTS

None.

PENDING ISSUES AND POLICY CONSIDERATIONS

There are no pending issues or policy considerations at this time.

FUNCTION AND RESPONSIBILITIES

The Public Works Improvement Fund Budget exists to fund the construction of roads and other public works improvements in certain areas of the county. Property owners who make an application to develop their property, such as a subdivision or building permit, are required in some locations to pay for road improvements. The payments are placed in this Fund as a holding account until the road improvements are made, at which time the funds are used to reimburse the actual cost of the work performed. The improvements are restricted to the area where the property development occurred. The largest sources of such payments are the English Hills Zone of Benefit, Green Valley Zone of Benefit, and the Recology Hay Road Landfill Road Damage Agreement. The work is performed by Public Works Division employees on a reimbursable basis.

DEPARTMENTAL BUDGET SUMMARY

The Recommended Budget represents an increase of \$20,200 or 30.7% in revenues and no changes in appropriations when compared to the FY2016/17 Adopted Budget. The increase in revenue is the result of the receipt of impact fees for the English Hills Zone of Benefit. There are no road projects proposed using this source of funding in FY2017/18.

See related Budget Unit 9122 - Fund 278 Contingencies (refer to Contingencies section of the Budget).

DETAIL BY REVENUE CATEGORY AND APPROPRIATION CATEGORY	2015/16 ACTUAL	2016/17 ADOPTED BUDGET	2017/18 RECOMMENDED	FROM ADOPTED TO RECOMMENDED	PERCENT CHANGE
REVENUES					
REVENUE FROM USE OF MONEY/PROP	2,798	800	1,000	200	25.0%
INTERGOVERNMENTAL REV FEDERAL	52,358	0	0	0	0.0%
MISC REVENUE	58,146	65,000	85,000	20,000	30.8%
TOTAL REVENUES	113,301	65,800	86,000	20,200	30.7%
APPROPRIATIONS					
OTHER CHARGES	0	1,000	1,000	0	0.0%
OTHER FINANCING USES	322,000	0	0	0	0.0%
TOTAL APPROPRIATIONS	322,000	1,000	1,000	0	0.0%
NET CHANGE	208,699	(64,800)	(85,000)	(20,200)	31.2%

SUMMARY OF SIGNIFICANT ADJUSTMENTS

None.

SUMMARY OF POSITION CHANGES

There are no positions allocated to this budget.

PENDING ISSUES AND POLICY CONSIDERATIONS

There are no pending issues or policy considerations at this time.

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