



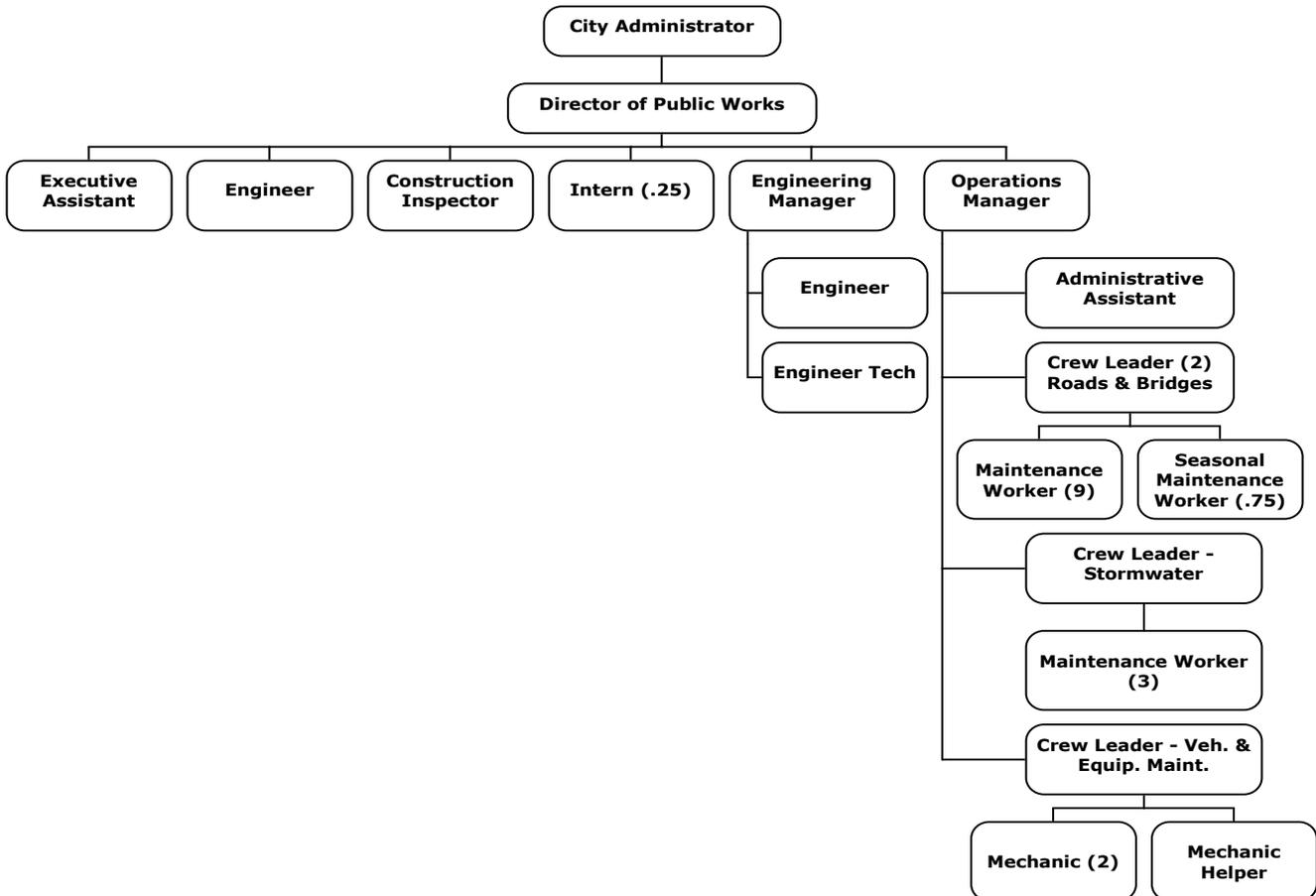
# Public Works

# Public Works

## Department Summary

<u>Program</u>	<u>General Fund</u>	<u>Streetlight Fund</u>	<u>Capital Improvement Fund</u>	<u>Sewer Lateral Fund</u>	<u>Total</u>
Engineering & Administration	405,712				405,712
Roads & Bridges	2,058,885				2,058,885
Stormwater	606,385				606,385
Streetlighting		474,200			474,200
Solid Waste	1,703,602				1,703,602
Vehicle & Equip. Maintenance	527,993				527,993
Sewer Lateral Repairs				250,000	250,000
Capital Projects		10,000	6,330,000		6,340,000
Capital Projects Management			241,761		241,761
<b>Total</b>	<b>\$5,302,577</b>	<b>\$484,200</b>	<b>\$6,571,761</b>	<b>\$250,000</b>	<b>\$12,608,538</b>

## Organization Chart



# Engineering and Administration

Department	No.	Program	No.	Program Manager
Public Works	50	Engineering & Admin.	001	Director of Public Works

## Program Activities

### *Department Administration*

The Director of Public Works oversees the Roads and Bridges, Stormwater, Capital Projects, Streetlighting, Solid Waste, Vehicle Maintenance, Sewer Lateral programs, budget preparation and control, public service requests, personnel management, clerical and record-keeping functions, and the planning and evaluation of department programs.

### *Engineering*

This activity involves engineering design and right-of-way acquisition for all city capital improvement projects. This activity is also responsible for plan review of all development proposals for public improvements, processing of special use permits, administration of the sanitary sewer lateral program, records maintenance and planning for future projects.

## Strategic Goal(s) Activity for 2020

### Goal 7: Creating Identity

**Objective: Improve signage at significant entry points.**

#### Activities and Steps

1. *Develop entry signage/ monuments.*
2. *Install way finding signs.*

## 2020 Programmatic Goals

### Goals

- Submit 5-year capital improvement program update by end of September 2020.
- Begin all approved and funded capital improvement program projects by December 2020.
- Process 90% of right-of-way permits within three (3) working days.

## 2019 Programmatic Goals - Status

Goals	Status	Comments
Submit 5-year capital improvement program update by beginning of September 2019.	Goal met	
Begin all approved and funded capital improvement program projects by December 2019.	Goal met	
Process 90% of right-of-way permits within three (3) working days.	Ongoing	

Performance Measures				
Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Right-of-way use permits	122	135	155	165
Right-of-way permits processed within three (3) working days.	100%	100%	100%	100%



DEPARTMENT	NUMBER	PROGRAM	NUMBER
<b>Public Works</b>	<b>50</b>	<b>Engineering &amp; Administration</b>	<b>001</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
PERSONNEL SERVICES	341,675	353,508	369,042
CONTRACTUAL SERVICES	9,708	25,400	35,370
COMMODITIES	2,802	2,000	1,300
CAPITAL	0	28,000	0
TOTAL EXPENDITURES	354,185	408,908	405,712
<b>Personnel Schedule</b>			
Position	2018	2019	2020
DIRECTOR OF PUBLIC WORKS	1.00	1.00	1.00
ENGINEERING MANAGER	1.00	1.00	1.00
EXECUTIVE ASSISTANT	1.00	1.00	1.00
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	3.00	3.00	3.00



**Annual Budget -2020**

**General Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Engineering &amp; Administration</b>			<b>001</b>
Personnel Services		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
710.00	SALARIES	256,891	267,572	279,193	Supervisory	214,886
					Regular	58,711
					Overtime	500
					Longevity pay	5,096
711.00	BENEFITS	84,784	85,936	89,849	FICA	21,356
					Workers' compensation	1,178
					Health insurance	29,600
					Life & Disability insurance	2,734
					Dental insurance	1,200
					Pension	33,781
	TOTALS	341,675	353,508	369,042		



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Engineering &amp; Administration</b>			NUMBER <b>001</b>
<b>Contractual Services</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
720.11	MISC. CONTRACTUAL	1,282	8,600	20,640	Smart phones (2)	1,440
					Equipment maintenance	500
					APWA Re-accreditation	13,700
					APWA 2021 PWX Local Booster	5,000
720.12	PROFESSIONAL SERVICES	2,150	7,000	7,000	Surveys-minor	3,000
					Traffic studies-minor	4,000
720.26	PRINTING & BINDING	33	500	500	Printing	500
720.51	PROFESSIONAL DEVELOPMENT	6,243	9,300	7,230	See professional development request	7,230
	<b>TOTALS</b>	<b>9,708</b>	<b>25,400</b>	<b>35,370</b>		



DEPARTMENT	NUMBER	PROGRAM	NUMBER
<b>Public Works</b>	<b>50</b>	<b>Engineering &amp; Administration</b>	<b>001</b>
<b>Professional Development Request</b>			
Organization/Conference	Location	Amount	Detail
AMER TRAFFIC SAFETY SERVICES ASSOC		175	Membership dues (2)
AMERICAN PUBLIC WORKS ASSN		525	Annual membership (3)
AMERICAN SOCIETY OF CIVIL ENGINEERS		140	Membership dues (1)
APWA MISSOURI CHAPTER (FALL)	TBD	600	State conference (1)
APWA MISSOURI CHAPTER (SPRING)	TBD	1,000	State conference (2)
APWA PUBLIC WORKS EXPO (PWX)	New Orleans, LA	1,600	Annual conference (1)
APWA ST LOUIS METRO BRANCH	Local	750	Membership dues & mtgs (3)
ENGINEERS CLUB OF ST. LOUIS	Local	170	Annual membership (1)
INSTITUTE OF TRANSPORTATION ENGRS.		350	Membership dues (1)
MISSOURI TRAFFIC CONFERENCE	Columbia, MO	400	Annual conference (2)
NATIONAL SOCIETY OF PROF ENGRS		220	Membership dues (1)
PROFESSIONAL DEVELOPMENT TRAINING	Local	1,000	Staff development
TRANS ENGR ASSN METRO ST. LOUIS		300	Annual dues and mtgs. (3)
	TOTAL REQUEST	7,230	



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Engineering &amp; Administration</b>			NUMBER <b>001</b>
<b>Commodities</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
730.20	OPERATIONAL SUPPLIES	2,736	1,700	1,000	Publications/supplies	500
					Traffic counter supplies	500
730.25	UNIFORMS	66	300	300	Safety equipment/shirts/jackets	300
	TOTALS	2,802	2,000	1,300		

**This page left intentionally blank.**



# Roads and Bridges

Department	No.	Program	No.	Program Manager
Public Works	50	Roads and Bridges	002	Operations Manager

## Program Activities

### *Roadway and Bridge Maintenance*

This activity includes patching of potholes, sweeping streets, sealing of pavement cracks, and maintenance of all asphalt and concrete pavements, sidewalks, rights-of-way maintenance and bridge maintenance.

### *Traffic Control Devices*

This activity installs and maintains all traffic control signs, pavement markings and traffic signals within the public rights-of-way on city-maintained streets.

### *Snow Removal*

This activity is responsible for snow and ice control operations on city streets to maintain traffic flow.

### *Forestry*

This activity involves the planting and trimming of trees and the removal of dead and diseased trees within all public rights-of-way in the City.

### *Vector Control*

This activity is responsible for applying mosquitoicide throughout the City. Larviciding services are provided by St. Louis County under contract.

### *Facility Operations & Maintenance*

This activity is responsible for operation and maintenance of the city garage at Fee Fee and Midland Roads.

2020 Programmatic Goals
<b>Goals</b>
Implement year 5 of tree management plan by December 2020.
Add Community Center trees into the asset management database by December 2020.
Develop a honeysuckle removal plan by December 2020.

## 2019 Programmatic Goals - Status

Goals	Status	Comments
Implement year 5 of tree management plan by December 2019.	Goal met	
Inventory and add Community Center trees into the asset management database by December 2019.	In progress	
Inventory and add Dorsett/I-270 trees into the asset management database by December 2019.	Goal met	
Inventory and add Government Center trees into the asset management database by December 2019.	Goal met	

## Performance Measures

Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Concrete pavement replacement (sq. yds.)	2,335	1,883	1,800	1,800
Concrete pavement replacement (each)	111	86	70	70
Concrete sidewalk replacement (sq. ft.)	10,108	9,647	10,000	10,000
Forestry (tree maintenance, each)	1,707	1,685	1,500	1,500
Right-of-way mowing (each)	13	13	10	10
Street sweeping (centerline lane miles)	369	531	350	500
Traffic control signs installed/replaced (each)	615	648	400	400
Mosquitocide applications city-wide	19	19	19	19
Plant new street trees	178	171	200	200
Asphalt pavement repair (tons)	83	41	75	70



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Roads &amp; Bridges</b>	NUMBER <b>002</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
PERSONNEL SERVICES	1,188,003	1,243,676	1,242,000
CONTRACTUAL SERVICES	278,630	196,895	365,905
COMMODITIES	291,210	355,340	382,980
CAPITAL	87,937	107,000	68,000
TOTAL EXPENDITURES	1,845,780	1,902,911	2,058,885
<b>Personnel Schedule</b>			
Position	2018	2019	2020
OPERATIONS MANAGER	1.00	1.00	1.00
CREW LEADER	2.00	2.00	2.00
MAINTENANCE WORKER	9.00	9.00	9.00
ADMINISTRATIVE ASSISTANT	1.00	1.00	1.00
SEASONAL MAINT. WORKER	1.50	1.50	0.75
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	14.50	14.50	13.75



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Roads &amp; Bridges</b>			NUMBER <b>002</b>
Personnel Services		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
710.00	SALARIES	819,726	844,314	848,859	Supervisory	91,239
					Regular	689,898
					Overtime	31,500
					On-call pay	3,500
					Part-time	15,600
					Longevity pay	17,122
711.00	BENEFITS	368,277	399,362	393,141	FICA	64,930
					Workers' compensation	73,788
					Health insurance	140,600
					Life & Disability insurance	7,806
					Dental insurance	5,200
					Pension	100,817
	TOTALS	1,188,003	1,243,676	1,242,000		



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Roads &amp; Bridges</b>			NUMBER <b>002</b>
Contractual Services		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
720.11	MISC. CONTRACTUAL	170,727	79,580	249,080	Smart phones (4)	2,880
					Facility maintenance	7,500
					Landfill charges	15,000
					Vehicle location services (14)	5,100
					Mulch (Dorsett/I-270)	11,500
					Pest control	1,500
					Radio maintenance/mounting	500
					Security monitoring	500
					Traffic signal maintenance	15,000
					Tree removal	15,000
					Weather forecast service	3,600
					Dorsett 270 Lighting Replacement	18,000
					Pavement Marking	153,000
720.18	LEVEE DISTRICT ASSESSMENT	51,410	57,000	57,000	Levee district assessment	57,000
720.19	LARVICIDING SERVICES	0	3,000	3,000	County contract for larviciding	3,000
720.28	RENTAL - EQUIPMENT	221	3,500	3,500	Specialized equipment (as needed)	3,500
720.30	UTILITIES SERVICES	51,520	49,000	49,000	Electric - traffic signals	5,500
					Gas & electric - bldg.	24,000
					Water (Dorsett/I-270)	4,500
					Water & sewer	15,000
720.51	PROFESSIONAL DEVELOPMENT	4,360	4,315	3,825	See professional development request	3,825
720.79	PROP. RESTORATION	392	500	500	Small claims	500
	<b>TOTALS</b>	<b>278,630</b>	<b>196,895</b>	<b>365,905</b>		



DEPARTMENT		NUMBER	PROGRAM	NUMBER
<b>Public Works</b>		<b>50</b>	<b>Roads &amp; Bridges</b>	<b>002</b>
Professional Development Request				
Organization/Conference	Location	Amount	Detail	
AMERICAN PUBLIC WORKS ASSN		175	Annual membership (1)	
APWA MEMBERSHIP STL METRO BRANCH	St. Louis, MO	250	Membership dues & mtgs (1)	
APWA MO CHAPTER (FALL)	TBD	600	Annual conference (1)	
APWA SNOW CONFERENCE	Cleveland OH	1,100	Annual conference (1)	
MO COMM. FORESTRY COUNCIL CONF	TBD	400	Annual conference (1)	
TRAINING/SKILL DEVELOPMENT	Local	1,300	Annual program (13)	
	TOTAL REQUEST	<u>3,825</u>		



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Roads &amp; Bridges</b>			NUMBER <b>002</b>
Commodities		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
730.20	OPERATIONAL SUPPLIES	125,139	125,000	117,500	Asphalt & cold patch, barricades and cones, bridge sealer, concrete & supplies, crosswalk sealer, facility supplies, first aid supplies, flagging tape/stakes, hand tools, ice, lumber, paint/paint supplies, sign materials, sod/seed/straw/ stone/topsoil	100,000
					Trees	2,500
					Dorsett/I-270 maintenance sprinkler, street lighting, fertilizer, weed control, plants, bulbs	12,500
					Network Switch	2,500
730.21	MOTOR FUEL & LUBRICANTS	56,178	55,000	55,000	Diesel fuel, gasoline	55,000
730.22	VECTOR SUPPLIES	9,900	12,000	12,000	Mosquitocide	12,000
730.24	SALT & ABRASIVES	95,126	157,000	192,000	Calcium chloride	12,000
					Salt - 2,500 tons	180,000
730.25	UNIFORMS	4,867	6,340	6,480	Safety shoes (12)	1,680
					Uniform pants, shirts, jackets, t-shirts, coveralls, hats, shorts, rubber boots	4,800
	TOTALS	291,210	355,340	382,980		



# Stormwater

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Stormwater	003	Engineering/Operations Manager

## Program Activities

### *Stormwater System Maintenance*

This activity addresses the problems of damaged storm sewers, erosion and flooding throughout the City and includes the maintenance of storm sewers and publicly-maintained open channels.

\* Prior to 2015, Stormwater program expenditures were funded by the Stormwater Fund.

2020 Programmatic Goals
<b>Goals</b>
Present 2021 stormwater capital improvements recommendations by September 2020.
Respond to all service requests regarding stormwater within 48 hours.

2019 Programmatic Goals - Status		
Goals	Status	Comments
Present 2020 stormwater capital improvements recommendations by September 2019.	Goal met	
Respond to all service requests regarding stormwater within 48 hours.	Goal met	

Performance Measures	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Linear feet of creeks cleaned	2,550	2,650	2,850	2,850
Inlet structures repaired	41	51	50	50
Inlet structures inspected	989	890	1,000	1,000



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Stormwater</b>	NUMBER <b>003</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
PERSONNEL SERVICES	572,841	581,007	593,290
CONTRACTUAL SERVICES	1,570	7,535	7,045
COMMODITIES	884	6,050	6,050
TOTAL EXPENDITURES	575,295	594,592	606,385
<b>Personnel Schedule</b>			
Position	2018	2019	2020
ENGINEER	1.00	1.00	1.00
CREW LEADER	1.00	1.00	1.00
ENGINEERING TECHNICIAN	1.00	1.00	1.00
MAINTENANCE WORKER	3.00	3.00	3.00
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	6.00	6.00	6.00



**Annual Budget -2020**

**General Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Stormwater</b>			<b>003</b>
Personnel Services		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
710.00	SALARIES	406,993	411,104	415,538	Regular	400,580
					Overtime	1,000
					Longevity pay	13,958
711.00	BENEFITS	165,848	169,903	177,752	FICA	31,786
					Workers' compensation	24,485
					Health insurance	64,800
					Life & Disability insurance	4,004
					Dental insurance	2,400
					Pension	50,277
	TOTALS	572,841	581,007	593,290		



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Stormwater</b>			NUMBER <b>003</b>
<b>Contractual Services</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
720.11	MISC. CONTRACTUAL	875	1,220	720	Smart phone (1)	720
720.12	PROFESSIONAL SERVICES	0	5,000	5,000	Consultant services	5,000
720.51	PROFESSIONAL DEVELOPMENT	695	1,315	1,325	See professional development request	1,325
	TOTALS	1,570	7,535	7,045		



DEPARTMENT	NUMBER	PROGRAM	NUMBER
<b>Public Works</b>	<b>50</b>	<b>Stormwater</b>	<b>003</b>
<b>Professional Development Request</b>			
Organization/Conference	Location	Amount	Detail
APWA AGENCY MEMBERSHIP		175	Membership dues (1)
APWA METRO BRANCH MEMBERSHIP	Local	250	Membership dues (1)
TECHNICAL TRAINING	Local	500	
TRAINING/SKILL DEVELOPMENT	Local	400	Annual program (4)
	TOTAL REQUEST	1,325	



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Stormwater</b>			NUMBER <b>003</b>
<b>Commodities</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
730.20	OPERATIONAL SUPPLIES	150	4,150	4,150	Brick and mortar	300
					Dye	300
					Hand tools	250
					Inlet lids/sills/risers	1,000
					Pipe	300
					Sod/seed/straw/mats	500
					Stone	500
					Topsoil	1,000
730.25	UNIFORMS	734	1,900	1,900	Uniform pants, shirts, jackets, t-shirts, hats, shorts, rubber boots	1,200
					Safety shoes (5)	700
	TOTALS	884	6,050	6,050		

# Capital Projects - Stormwater

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Capital Projects Mgmt.	009	Engineering Manager/Director

## Program Activities

### Capital Planning

Capital planning involves the investigation, analysis and recommendations for major stormwater and erosion control projects.

### Capital Projects

Capital projects are major stormwater & erosion control projects with an estimated cost of more than \$100,000.

<b>Stormwater Capital Improvement Projects - 2020</b>					
<b>Project No.</b>	<b>Project Name</b>	<b>Estimated project cost</b>	<b>Estimated expenditures through 2019</b>	<b>2020 budget (proposed)</b>	<b>Future cost</b>
240	Proj. Mon./Maint. of Mitigation Areas	110,000	0	25,000	85,000
243	Rose Acres Tributary <i>(west of Bennington Pl. to west of Rose Acres Ln.)</i>	1,317,000	217,000	1,100,000	0
247	Fee Fee Creek <i>(Dorsett Creek Confluence to RR)</i>	1,209,000	209,000	1,000,000	0
252	11814 Jonesdale Court <i>(east of street, rear of property)</i>	250,000	65,000	185,000	0
260	12102 Glenpark Drive	65,000	0	65,000	0
262	12059 Autumn Lakes Drive	170,000	0	65,000	105,000
263	2703 Wagner Place	885,000	0	150,000	735,000
264	Essex Avenue <i>(north of street, east of property)</i>	120,000	0	120,000	0
<b>TOTAL 2020</b>				<b>\$2,710,000</b>	



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 240	<b>Name of Project</b> PROJ. MON./MAINT. OF MITIGATION AREAS PER USACE			
<b>Description</b> This activity provides for the monitoring and maintenance of mitigation sites established during prior year projects. The Army Corps of Engineers requires that annual reporting be conducted for selected locations for a period of five (5) years following construction. Corrective measures necessary to insure the viability of the sites shall be instituted during this time. This provision is currently in effect for the Hollybrook Tributary, Galaxy/Meteor/Brierhall/Inverness; Venus Lane channel stabilization projects and Heights Area stormwater improvements.				
<b>Status of Project</b> This is an on-going activity.				
<b>Impact on Operating Budget</b> Negligible				
<b>Performance Measures</b> Each site shall be monitored and a report submitted to the Army Corps of Engineers on the anniversary of the project completion. Maintenance to be performed whenever required.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	110,000	0	25,000	85,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$110,000	\$0	\$25,000	\$85,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
-----------------------------------	---------------------	------------------------------------	----------------------

Capital Improvement Project

<b>Capital Project Number</b> 243	<b>Name of Project</b> ROSE ACRES TRIBUTARY (WEST OF BENNINGTON PLACE TO WEST OF ROSE ACRES LANE)
--------------------------------------	--

**Description**

This project stabilizes the channel and banks along the reach of Rose Acres Tributary, located south of Thomas Patrick Court, east to Bennington Place and west to Rose Acres Lane, using grade control structures and bio stabilization techniques. A gabion wall will be repaired or replaced with a composite revetment or other protective measure, and a storm sewer system may be installed at strategic points along the stream to control over-the-bank drainage. Urban forestry techniques may be used to restore and enhance the riparian corridor.

**Status of Project**

Engineering design and easement acquisition complete.

**Impact on Operating Budget**

Positive

**Performance Measures**

Award construction contract for improvements by September 30, 2020.

**Project Budget**

	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$217,000	\$217,000	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	1,100,000	0	1,100,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$1,317,000	\$217,000	\$1,100,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
-----------------------------------	---------------------	------------------------------------	----------------------

Capital Improvement Project

<b>Capital Project Number</b> 247	<b>Name of Project</b> FEE FEE CREEK (DORSETT CREEK CONFLUENCE TO RAILROAD TANGENT)
--------------------------------------	--

**Description**  
This project stabilizes the channel and banks along the reach of Fee Fee Creek, extending from the confluence of Dorsett Creek to a railroad tangent section located south of James Christopher Drive, using grade controls and bio-stabilization techniques. The work will focus on an area adjacent to Weshill Court where erosion is undermining a 40 foot high bank and threatening property between 12016 and 12028 Weshill Court. An abandoned road bridge located upstream of this location that collects logs and other debris and restricts channel flow will be removed. Urban forestry practices may be used to restore and enhance the riparian corridor.

**Status of Project**  
Engineering design and easement acquisition complete.

**Impact on Operating Budget**  
Positive.

**Performance Measures**  
Award construction contract for improvements by September 30, 2020.

Project Budget

	Estimated Total Project Cost	Estimated Expenditures through 2019	2020 Budget	Future Costs
<b>Engineering</b>	\$209,000	\$209,000	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	1,000,000	0	1,000,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$1,209,000	\$209,000	\$1,000,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
-----------------------------------	---------------------	------------------------------------	----------------------

Capital Improvement Project

<b>Capital Project Number</b> 252	<b>Name of Project</b> 11814 JONESDALE COURT (EAST OF STREET, REAR OF PROPERTY)
--------------------------------------	--

**Description**

This project provides for the construction of an underground storm sewer along the rear of the residential property in the vicinity of 11814 Jonesdale Court to intercept and convey storm water. The new system shall connect to an existing storm sewer extending through the McKelvey Park Subdivision. The improvement consists of approximately 280 feet of 12 inch reinforced concrete pipe, 150 feet of 15 inch reinforced concrete pipe along with associated appurtenances.

**Status of Project**

Engineering design and easement acquisition complete.

**Impact on Operating Budget**

Positive.

**Performance Measures**

Award construction contract for improvements by March 31, 2020.

Project Budget

	Estimated Total Project Cost	Estimated Expenditures through 2019	2020 Budget	Future Costs
<b>Engineering</b>	\$65,000	\$65,000	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	185,000	0	185,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$250,000	\$65,000	\$185,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>	
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 260	<b>Name of Project</b> 12012 GLENPARK DRIVE (WEST OF STREET, REAR OF PROPERTY)			
<b>Description</b> This project provides for the construction of any underground storm sewer within residential property to intercept and convey storm water. The system would consist of approximately 200' of 12" reinforced concrete pipe and appurtenances. The new system would connect to an existing curb inlet located in front of 12068 Glenpark Drive and extend west and thence north across residential property to a wetland area located along the north edge of 12102 Glenpark Drive				
<b>Status of Project</b> Project is new and no work has been initiated.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Award construction contract for improvements by June 30, 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	65,000	0	65,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$65,000	\$0	\$65,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
-----------------------------------	---------------------	------------------------------------	----------------------

Capital Improvement Project

<b>Capital Project Number</b> 262	<b>Name of Project</b> 12059 AUTUMN LAKES DRIVE
--------------------------------------	--

**Description**

This project restores and/or improves stormwater flow between 4' x 4' box culvert extending under I-270 to the west, discharge from the Autumn Lakes lower dam to the north and 4' x 6' box culvert located at the rear of Washington Court to the south that conveys the drainage away. The work includes the removal of vegetation and sediment, the installation of new culvert(s) at the access point to a rear parcel to replace an existing culvert that is totally submerged, and placement of heavy stone revetment or other channel protection measures at vulnerable points along the open drainage system to deter and control surface erosion. Biostabilization techniques may be used to restore and enhance the channel corridor.

**Status of Project**

Project is new and no work has been initiated.

**Impact on Operating Budget**

Postiive.

**Performance Measures**

Complete engineering design by March 31, 2021.

**Project Budget**

	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$65,000	\$0	\$65,000	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	105,000	0	0	105,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$170,000	\$0	\$65,000	\$105,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 263	<b>Name of Project</b> 2703 WAGNER PLACE			
<b>Description</b> This project provides for the construction of an underground storm sewer system to intercept and convey stormwater. The system would extend along an established street/alley right-of-way that is unimproved and convey drainage to an adequate discharge point. The system would consist of approximately 2,000 linear feet of reinforced concrete pipe or approved alternative and appurtenances.				
<b>Status of Project</b> Project is new and no work has been initiated.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Complete engineering design by June 30, 2021.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$150,000	\$0	\$150,000	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	735,000	0	0	735,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$885,000	\$0	\$150,000	\$735,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 264	<b>Name of Project</b> ESSEX AVENUE (NORTH OF STREET, EAST OF PROPERTY)			
<b>Description</b> This project provides for the construction of an underground storm sewer to intercept and convey stormwater. The new system would connect to an existing area inlet located in right-of-way of Haas Avenue and adjacent to the front yard at 11465 Essex Avenue. The improvement would consist of approximately 200' of 12" reinforced concrete pipe and appurtances.				
<b>Status of Project</b> Project is new and no work has been initiated.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Complete engineering design by September 30, 2020. Award construction contract for improvements by December 31, 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$50,000	\$0	\$50,000	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	70,000	0	70,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$120,000	\$0	\$120,000	\$0

**This page left intentionally blank.**



# Streetlighting

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Streetlighting	004	Director of Public Works

## Program Activities

### *Streetlighting Operations*

The City funds a streetlighting program to provide for vehicle and pedestrian safety. This activity includes the maintenance and energy charges from Ameren Missouri for the lighting of streets and other public properties. In addition, this program installs new streetlighting in conjunction with capital improvements of streets. These services are provided under contract with Ameren.

2020 Programmatic Goals
<b>Goals</b>
Continue to monitor Ameren Missouri maintenance effectiveness and upgrade lights as appropriate on roadway projects.
Conduct streetlight survey once per year.
Perform a comprehensive audit of streetlights on the City's account and reconcile discrepancies with Ameren Missouri.

2019 Programmatic Goals - Status		
Goals	Status	Comments
Conduct street light survey once per year	Not met	
Continue to monitor Ameren Missouri maintenance effectiveness and upgrade lights as appropriate on roadway projects.	Ongoing	
Perform a comprehensive audit of streetlights on City's account and reconcile discrepancies with Ameren Missouri.	In progress	

Performance Measures				
Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Street lights maintained*	1,963	1,961	1,962	1,978
*Includes:				
New street lights installed	8	0	1	1
Existing street lights removed	1	2	0	0
Street lights upgraded	0	7	13	0



**Annual Budget -2020**

**Streetlight Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Streetlighting</b>	NUMBER <b>004</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
CONTRACTUAL SERVICES	451,977	488,000	474,200
TOTAL EXPENDITURES	451,977	488,000	474,200
<b>Personnel Schedule</b>			
Position	2018	2019	2020
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	0.00	0.00	0.00



**Annual Budget -2020**

**Streetlight Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Streetlighting</b>		NUMBER <b>004</b>
<b>Contractual Services</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>
<b>Account Number</b>	<b>Account Description</b>				
720.33	STREETLIGHTING	451,977	488,000	474,200	Ameren contract 460,000 Maintenance (interchange) 10,000 Street lighting electric (interchange) 4,200
	TOTALS	451,977	488,000	474,200	

**This page left intentionally blank.**



# Capital Projects - Streetlighting

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Capital Projects	009	Director of Public Works

## Program Activities

### *Streetlighting improvements*

This activity is responsible for funding the installation of new and upgraded street lighting.

<b>Capital Improvement Projects - 2020</b>					
<b>Project No.</b>	<b>Project Name</b>	<b>Estimated project cost</b>	<b>Estimated expenditures through 2019</b>	<b>2020 budget (proposed)</b>	<b>Future cost</b>
064	Streetlighting	42,000	0	10,000	32,000
<b>TOTAL 2020</b>				<b>\$10,000</b>	



DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 064	<b>Name of Project</b> STREETLIGHTING			
<b>Description</b> Locations are: Requests from residents for new streetlights. Locations are undetermined and based on citizen reports for new/additional streetlights. Local Streets, Sidewalk Projects - Relocate Street Lights (Glen Aire, Future Projects); Wesco Drive.				
<b>Status of Project</b>				
<b>Impact on Operating Budget</b> Potential increase in cost of contract with Ameren for electricity and maintenance service.				
<b>Performance Measures</b>				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	42,000	0	10,000	32,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$42,000	\$0	\$10,000	\$32,000

# Solid Waste

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Solid Waste	005	Director of Public Works

## Program Activities

### *Solid Waste*

The City provides weekly trash collection to all single-family households and condominiums.

### *Recycling*

The City provides single-stream recycling collection to all single-family homes and condominiums that have curbside collection. Condominium units with dumpster service are not included.

### *Yard Waste*

The City provides yard waste collection to all single family homes and condominiums that have curbside collection. Condominium units with dumpster service are not included.

The City contracts with Allied Waste for all the above services. The contract will expire at the end of 2019. These services are funded by the City's General Fund.

## 2020 Programmatic Goals

### Goals

Continue to do community education through the newsletter and website to promote single stream recycling and work toward 50% diversion of waste to recycling.

## 2019 Programmatic Goals - Status

### Goals

### Status

### Comments

Continue to do community education through the newsletter and website to promote single stream recycling and work toward 50% diversion of waste to recycling.

Ongoing

## Performance Measures

Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Number of households served	8,102	8,163	8,165	8,175
Recycling quantity, tons annually	1,801	1,829	1,784	1,785
Municipal solid waste, tons annually	4,413	5,249	5,292	5,293
Yard waste, cubic yards annually	8,500	8,011	8,868	8,868



DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Solid Waste</b>	NUMBER <b>005</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
CONTRACTUAL SERVICES	1,948,268	2,047,579	1,703,602
TOTAL EXPENDITURES	1,948,268	2,047,579	1,703,602
<b>Personnel Schedule</b>			
Position	2018	2019	2020
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	0.00	0.00	0.00



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Solid Waste</b>		NUMBER <b>005</b>
<b>Contractual Services</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>
<b>Account Number</b>	<b>Account Description</b>				
720.11	MISC. CONTRACTUAL	1,948,268	2,047,579	1,703,602	Republic Services Contract 1,703,602
	TOTALS	1,948,268	2,047,579	1,703,602	

**This page left intentionally blank.**



# Vehicle and Equipment Maintenance

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Vehicle & Equip. Maint.	006	Operations Manager

## Program Activities

### *Fleet Management*

This activity involves repairing and maintaining vehicles, motorcycles and other city-owned equipment for Public Works, Parks and Recreation, Community Development and Police to ensure they are operable when needed.

## 2020 Programmatic Goals

### Goals

All vehicles will receive preventative maintenance at scheduled intervals.

All snow removal equipment will be inspected and ready to go by November 2020.

Conduct parts inventory on the first working day of each month.

## 2019 Programmatic Goals - Status

Goals	Status	Comments
All vehicles will receive preventative maintenance at scheduled intervals.	Goal met	
All snow removal equipment inspected and ready to go by November 2019.	Goal met	

## Performance Measures

Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Repair work orders completed	690	771	700	700
Vehicles maintained	116	115	116	116
Equipment maintained	55	55	55	55



**Annual Budget -2020**

**General Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Vehicle &amp; Equip. Maintenance</b>	NUMBER <b>006</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
PERSONNEL SERVICES	337,338	347,176	354,763
CONTRACTUAL SERVICES	26,804	46,970	46,970
COMMODITIES	97,095	128,260	126,260
TOTAL EXPENDITURES	461,237	522,406	527,993
<b>Personnel Schedule</b>			
Position	2018	2019	2020
CREW LEADER	1.00	1.00	1.00
MECHANIC	2.00	2.00	2.00
MECHANIC HELPER	1.00	1.00	1.00
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	4.00	4.00	4.00



**Annual Budget -2020**

**General Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Vehicle &amp; Equip. Maintenance</b>			<b>006</b>
Personnel Services		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
710.00	SALARIES	237,360	243,636	251,020	Regular	244,742
					Overtime	1,000
					Longevity pay	5,278
711.00	BENEFITS	99,978	103,540	103,743	FICA	19,200
					Workers' compensation	9,925
					Health insurance	40,200
					Life & Disability insurance	2,446
					Dental insurance	1,600
					Pension	30,372
TOTALS		337,338	347,176	354,763		



**Annual Budget -2020**

**General Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Vehicle &amp; Equip. Maintenance</b>			<b>006</b>
Contractual Services		2018	2019	2020		
Account Number	Account Description	Budget (Actual)	Budget (Amended)	Budget (Proposed)	Detail	
720.11	MISC. CONTRACTUAL	23,809	42,320	42,320	Smart phones (1)	720
					Diagnostic service & software	1,500
					Grease trap maint.	7,500
					Mechanical inspections	600
					Sandblasting & painting	3,500
					Towing service	500
					Vehicle repair services	28,000
720.25	DATA PROCESSING	2,995	3,500	3,500	Equipment maintenance software license/support	3,500
720.51	PROFESSIONAL DEVELOPMENT	0	1,150	1,150	See professional development request	1,150
	TOTALS	26,804	46,970	46,970		



DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Vehicle &amp; Equip. Maintenance</b>	NUMBER <b>006</b>
<b>Professional Development Request</b>			
<b>Organization/Conference</b>	<b>Location</b>	<b>Amount</b>	<b>Detail</b>
TRAINING/SKILL DEVELOPMENT	Local	1,150	Annual program (4)
	TOTAL REQUEST	1,150	



Annual Budget -2020

General Fund

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Vehicle &amp; Equip. Maintenance</b>			<b>006</b>
Commodities		2018	2019	2020		
Account Number	Account Description	Budget (Actual)	Budget (Amended)	Budget (Proposed)	Detail	
730.14	TIRES, PARTS & EQUIPMENT	69,104	90,000	95,000	Tires & parts	95,000
730.20	OPERATIONAL SUPPLIES	26,892	29,000	22,000	Diag. computers/ upgrades	1,500
					Misc. shop supplies	17,000
					Tools & equipment	3,500
730.21	MOTOR FUEL & LUBRICANTS	60	7,500	7,500	Oil, grease and anti-freeze	7,500
730.25	UNIFORMS	1,039	1,760	1,760	Safety shoes (4)	560
					Uniform pants, shirts, jackets, t-shirts, coveralls, hats, shorts, rubber boots	1,200
	TOTALS	97,095	128,260	126,260		

# Sewer Lateral Repairs

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Sewer Lateral Repairs	008	Engineering Manager/Director

## Program Activities

### *Sewer Lateral Repairs*

This program addresses problems with defective sewer laterals serving all residential property located in the City containing six or fewer dwelling units. The program is funded by a \$50 annual tax assessment on single-family structures.

## 2020 Programmatic Goals

### Goals

The contractor will complete 95% of sewer lateral investigations within 5 working days of receiving the notice to proceed from the City.

The contractor will complete 95% of sewer later repairs within 14 working days of receiving the notice to proceed from the City.

## 2019 Programmatic Goals - Status

Goals	Status	Comments
After the notice to proceed is received from the City, the contractor will complete the sewer lateral investigation within 5 calendar days.	Goal met	
After the notice to proceed is received from the City, the contractor will complete the sewer lateral repairs within 14 calendar days.	Goal met	

## Performance Measures

Metrics	2017 Actual	2018 Actual	2019 Estimate	2020 Projected
Sewer lateral investigations	70	75	75	75
Sewer lateral repairs	55	65	65	65



**Annual Budget -2020**

**Sewer Lateral Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Sewer Lateral Repairs</b>	NUMBER <b>008</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
CONTRACTUAL SERVICES	208,229	250,000	250,000
TOTAL EXPENDITURES	208,229	250,000	250,000
<b>Personnel Schedule</b>			
Position	2018	2019	2020
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	0.00	0.00	0.00



**Annual Budget -2020**

**Sewer Lateral Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Sewer Lateral Repairs</b>			NUMBER <b>008</b>
<b>Contractual Services</b>		<b>2018 Budget (Actual)</b>	<b>2019 Budget (Amended)</b>	<b>2020 Budget (Proposed)</b>	<b>Detail</b>	
<b>Account Number</b>	<b>Account Description</b>					
720.11	MISC. CONTRACTUAL	208,229	250,000	250,000	Investigations & repairs	250,000
	TOTALS	208,229	250,000	250,000		

**This page left intentionally blank.**



# Capital Projects Management

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Capital Projects Mgmt.	009	Director of Public Works

## Program Activities

### *Construction Management*

This program provides contract administration and inspections for the City’s capital improvement projects.

<b>2020 Programmatic Goals</b>
<b>Goals</b>
Projects will be constructed on time and within budget.
Update Accela asset inventory (signs, trees)

<b>2019 Programmatic Goals - Status</b>		
<b>Goals</b>	<b>Status</b>	<b>Comments</b>
Projects will be constructed on time and under budget.	Goal met	
Update Accela asset inventory (signs, trees).	Ongoing	



**Annual Budget -2020**

**Capital Improvement Fund**

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects Management</b>	NUMBER <b>059</b>
<b>Program Budget</b>			
Object of Expenditure	2018 Budget	2019 Budget	2020 Budget
PERSONNEL SERVICES	207,766	222,277	231,336
CONTRACTUAL SERVICES	17,566	10,435	9,445
COMMODITIES	459	980	980
TOTAL EXPENDITURES	225,791	233,692	241,761
<b>Personnel Schedule</b>			
Position	2018	2019	2020
ENGINEER	1.00	1.00	1.00
CONSTRUCTION INSPECTOR	1.00	1.00	1.00
INTERN	0.25	0.25	0.25
EMPLOYEES - FULL TIME EQUIVALENTS (FTE)	2.25	2.25	2.25



**Annual Budget -2020**

**Capital Improvement Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Capital Projects Management</b>			<b>059</b>
Personnel Services		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
710.00	SALARIES	151,569	160,347	167,108	Regular	152,410
					Part-time	5,520
					Overtime	6,000
					Longevity pay	3,178
711.00	BENEFITS	56,197	61,930	64,228	FICA	12,783
					Workers' compensation	771
					Health insurance	28,800
					Life & Disability insurance	1,523
					Dental insurance	800
					Pension	19,551
TOTALS		207,766	222,277	231,336		



**Annual Budget -2020**

**Capital Improvement Fund**

DEPARTMENT		NUMBER	PROGRAM			NUMBER
<b>Public Works</b>		<b>50</b>	<b>Capital Projects Management</b>			<b>059</b>
Contractual Services		2018	2019	2020		
Account Number	Account Description	Budget (Actual)	Budget (Amended)	Budget (Proposed)	Detail	
720.11	MISC. CONTRACTUAL	11,401	720	720	Smart phones (1)	720
720.25	DATA PROCESSING	6,000	9,000	8,000	Paver	1,000
					Project management software license	7,000
720.51	PROFESSIONAL DEVELOPMENT	165	715	725	See professional development request	725
	TOTALS	17,566	10,435	9,445		



DEPARTMENT		NUMBER	PROGRAM		NUMBER
<b>Public Works</b>		<b>50</b>	<b>Capital Projects Management</b>		<b>059</b>
Professional Development Request					
Organization/Conference	Location	Amount	Detail		
APWA AGENCY MEMBERSHIP		175	Membership dues (1)		
APWA METRO BRANCH MEMBERSHIP	Local	250	Membership dues & mtgs (1)		
TRAINING CONFERENCE	Local	300	Construction inspection and local seminars		
	TOTAL REQUEST	<u>725</u>			



**Annual Budget -2020**

**Capital Improvement Fund**

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects Management</b>			NUMBER <b>059</b>
Commodities		2018 Budget (Actual)	2019 Budget (Amended)	2020 Budget (Proposed)	Detail	
Account Number	Account Description					
730.20	OPERATIONAL SUPPLIES	459	400	400	Survey supplies	400
730.25	UNIFORMS	0	580	580	Safety shoes (2)	280
					Shirts, jackets, coveralls	300
	TOTALS	459	980	980		

# Capital Projects

<b>Department</b>	<b>No.</b>	<b>Program</b>	<b>No.</b>	<b>Program Manager</b>
Public Works	50	Capital Projects	009	Director of Public Works

## Program Activities

### *Capital Planning*

Capital planning involves the investigation, analysis and recommendations for major road, facility and other infrastructure projects.

### *Capital Projects*

Capital projects are major infrastructure and facility construction projects that typically have an estimated cost of more than \$100,000.

## Capital Improvement Projects - 2020

Project No.	Project Name	Estimated project cost	Estimated expenditures through 2019	2020 Budget (proposed)	Future Cost
004	Pavement Maintenance	5,700,000	0	1,000,000	4,700,000
079	Equipment Replacement	875,000	0	175,000	700,000
126	Public R/W - Property Enhancements	250,000	0	50,000	200,000
141	Sidewalk Construction	315,000	0	315,000	0
149	McKelvey Road (Ameling to Railroad Bridge)	200,000	0	100,000	100,000
162	Casino Riverport Connector	350,000	0	350,000	0
164	Wesglen Estates Trail Connection	1,250,000	0	1,000,000	250,000
165	Westport Plaza Drive Fence Replacement	250,000	0	250,000	0
168	Fee Fee Greenway Extension (Aquaport to east of I-270)	200,000	0	200,000	0
169	Fee Fee Road Pavement Rehab (Westport Plaza Dr. to Schuetz Rd.)	1,180,000	0	180,000	1,000,000
<b>TOTAL 2020</b>				<b>\$3,620,000</b>	



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 004	<b>Name of Project</b> PAVEMENT MAINTENANCE: CONCRETE, ASPHALT & MICROSURFACING			
<b>Description</b> This program involves the replacement of deteriorated pavement sections and cracksealing. In addition, this program includes an annual resurfacing of asphaltic pavement and microsurfacing of asphaltic pavement based on pavement conditional analysis.				
<b>Status of Project</b> All pavement types are evaluated using a pavement management program. The proposed pavement maintenance program will be presented in January 2020.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Complete 20,000 square yards of concrete pavement by November 2020.  Complete 15,000 square yards of asphalt overlay by November 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	5,700,000	0	1,000,000	4,700,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$5,700,000	\$0	\$1,000,000	\$4,700,000



DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 079	<b>Name of Project</b> EQUIPMENT REPLACEMENT			
<b>Description</b> Funding is provided to purchase replacements of tandem and single-axle dump trucks with plows and spreaders, street sweeper and other high value equipment for the Department of Public Works. The 2020 planned purchase is a replacement chipper truck with bucket.				
<b>Status of Project</b> The equipment replacement order will be placed in the first quarter of 2020.				
<b>Impact on Operating Budget</b> Positive				
<b>Performance Measures</b>				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	0	0	0	0
<b>Equipment/Other</b>	875,000	0	175,000	700,000
<b>Total Cost</b>	\$875,000	\$0	\$175,000	\$700,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 126	<b>Name of Project</b> PUBLIC R/W - PROPERTY ENHANCEMENTS (TREES, ENTRY & WAYFINDING SIGNAGE)			
<b>Description</b> This project will implement improvements to the rights-of-way of public streets and public property to enhance their appearance. These projects will include planting of street trees. The City Council has adopted a goal to increase the number of street trees planted annually. Residential streets being reconstructed may be enhanced by the installation of decorative crosswalks, new post-top type streetlighting, and street trees. Funds are also included for installation of new entryway signage at city limits were determined appropriate.				
<b>Status of Project</b> On-going.				
<b>Impact on Operating Budget</b> Minimal annual increase in right-of-way maintenance costs are anticipated.				
<b>Performance Measures</b>				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	250,000	0	50,000	200,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$250,000	\$0	\$50,000	\$200,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
-----------------------------------	---------------------	------------------------------------	----------------------

Capital Improvement Project

<b>Capital Project Number</b> 141	<b>Name of Project</b> SIDEWALK CONSTRUCTION
--------------------------------------	---

**Description**

This project will provide for connecting gaps in the existing neighborhood sidewalk network, along public streets, in order to increase pedestrian safety, accessibility, and neighborhood walkability.

**Status of Project**

Construction is scheduled for sidewalks along Glenridge Drive and Glengrove Drive during 2020.

**Impact on Operating Budget**

Positive.

**Performance Measures**

Construction services are scheduled to be completed by the third quarter of 2020 for the sidewalks.

Project Budget

	Estimated Total Project Cost	Estimated Expenditures through 2019	2020 Budget	Future Costs
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	315,000	0	315,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	<u>\$315,000</u>	<u>\$0</u>	<u>\$315,000</u>	<u>\$0</u>



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 149	<b>Name of Project</b> MCKELVEY ROAD (AMELING TO RAILROAD BRIDGE)			
<b>Description</b> This project will consist of providing partial funding to the county for the design and construction of McKelvey Road.				
<b>Status of Project</b> The county is in the process of designing the project.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Design is scheduled to be completed in 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	200,000	0	100,000	100,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$200,000	\$0	\$100,000	\$100,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 162	<b>Name of Project</b> CASINO RIVERPORT CONNECTOR			
<b>Description</b> This project involves the paving of the existing gravel connecting roadway between the casino and Riverport. The new roadway is proposed to be 27 feet wide asphalt pavement with concrete curb and gutters.				
<b>Status of Project</b> Professional engineering services are scheduled to begin during the fourth quarter of 2019.				
<b>Impact on Operating Budget</b> Positive				
<b>Performance Measures</b> Construction plans will be completed during 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	350,000	0	350,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$350,000	\$0	\$350,000	\$0



DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 164	<b>Name of Project</b> WESGLEN ESTATES TRAIL CONNECTION			
<b>Description</b> This project will continue the development of hiking/biking trails in the City. This trail will provide an additional connection point to the recently completed Fee Fee Greenway (McKelvey Woods Trail). This project will require a pedestrian bridge and includes paving of an existing gravel trail.				
<b>Status of Project</b> Professional engineering services are scheduled to be completed during the second quarter of 2020.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Construction plans will be completed during 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	1,250,000	0	1,000,000	250,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$1,250,000	\$0	\$1,000,000	\$250,000



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>	NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>	
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 165	<b>Name of Project</b> WESTPORT PLAZA DRIVE FENCE REPLACEMENT			
<b>Description</b> This project entails the removal of the existing chain link fence and replacing it with a decorate fence.				
<b>Status of Project</b> Professional engineering services are scheduled to be completed during the first quarter of 2020.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Construction will be completed during 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$0	\$0	\$0	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	250,000	0	250,000	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$250,000	\$0	\$250,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 168	<b>Name of Project</b> FEE FEE GREENWAY EXTENSION AQUAPORT TO EAST OF I-270			
<b>Description</b> This project would entail a preliminary engineering study to establish a location of the trail from the existing Fee Fee Greenway Trail to a new trailhead on the east side of I-270. This project will provide the residents improved pedestrian access to Aquaport and the Community Center.				
<b>Status of Project</b> Professional services to begin during the first quarter of 2020.				
<b>Impact on Operating Budget</b> Negligible from a planning/engineering design perspective. Moderate if construction of improvements is completed.				
<b>Performance Measures</b> Complete the location study by the fourth quarter of 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$200,000	\$0	\$200,000	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	0	0	0	0
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$200,000	\$0	\$200,000	\$0



Capital Improvement Fund

DEPARTMENT <b>Public Works</b>		NUMBER <b>50</b>	PROGRAM <b>Capital Projects</b>	NUMBER <b>009</b>
<b>Capital Improvement Project</b>				
<b>Capital Project Number</b> 169	<b>Name of Project</b> FEE FEE ROAD PAVEMENT REHAB (WESTPORT PLAZA DRIVE TO SCHUETZ ROAD)			
<b>Description</b> The project will consist of removing and replacing concrete slabs and milling and overlaying the asphalt section of Fee Fee Road. Additionally, the concrete pavement along the total corridor will have diamond grinding to correct surface imperfections. The bridge deck will be replaced as part of this project.				
<b>Status of Project</b> Design services are scheduled to begin during the second quarter of 2020.				
<b>Impact on Operating Budget</b> Positive.				
<b>Performance Measures</b> Design will be completed during 2020.				
<b>Project Budget</b>				
	<b>Estimated Total Project Cost</b>	<b>Estimated Expenditures through 2019</b>	<b>2020 Budget</b>	<b>Future Costs</b>
<b>Engineering</b>	\$180,000	\$0	\$180,000	\$0
<b>Right-of-Way/Property Acquisition</b>	0	0	0	0
<b>Construction</b>	1,000,000	0	0	1,000,000
<b>Equipment/Other</b>	0	0	0	0
<b>Total Cost</b>	\$1,180,000	\$0	\$180,000	\$1,000,000

**This page left intentionally blank.**

