

# Public Works

## About Public Works

The Public Works Department is responsible for maintenance and improvements to the City’s infrastructure, which includes 133 miles of streets and 36 miles of storm sewers throughout the City.

Public Works administers and polices all construction activities within the street right-of-ways. In addition, the City’s fleet vehicles and equipment are managed and maintained through Public Works.

Public Works also assists the Community Development Department in review of commercial and residential development projects and building permit applications as related to engineering matters.

**2012  
Budget  
Highlights**

- Widening 32nd Avenue at Youngfield Street
- Installation of bus stop shelters
- Developing additional revenue sources



Grant award money was used to construct the multi-use trail along Wadsworth.



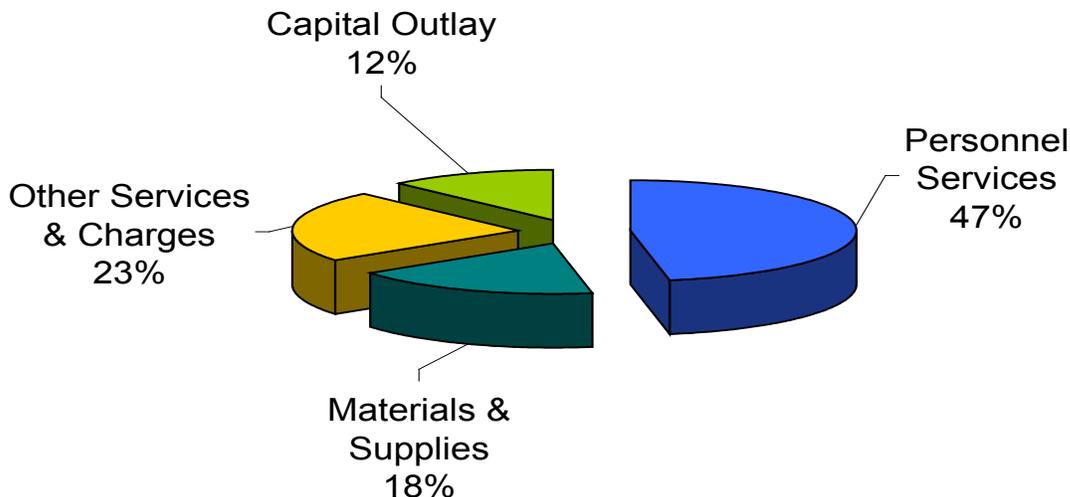
# Public Works

## Staffing and Financial Summary

	2009 Authorized	2010 Authorized	2011 Authorized	2012 Authorized
Administration	1	1	1	1
Engineering	12	12	12	12
Operations	16	16	16	16
<b>TOTAL</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>

	2010 Actual	2011 Adjusted	2011 Estimated	2012 Adopted
Personnel Services	\$1,959,454	\$2,029,413	\$2,029,413	\$2,077,732
Materials & Supplies	\$454,932	\$650,850	\$650,850	\$787,180
Other Services & Charges	\$724,195	\$998,980	\$998,980	\$1,007,060
Capital Outlay	\$184,361	\$820,850	\$823,105	\$527,400
<b>TOTAL</b>	<b>\$3,322,942</b>	<b>\$4,500,093</b>	<b>\$4,502,348</b>	<b>\$4,399,372</b>

### Total 2012 Budget by Object

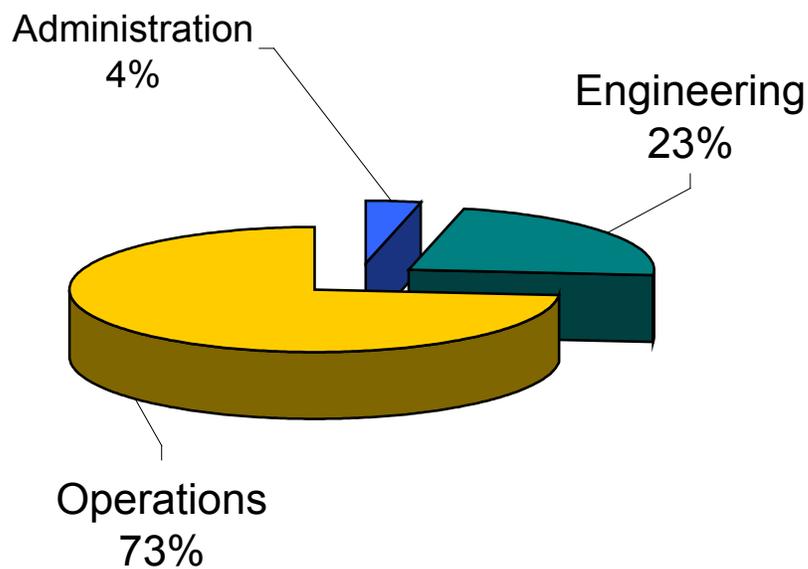


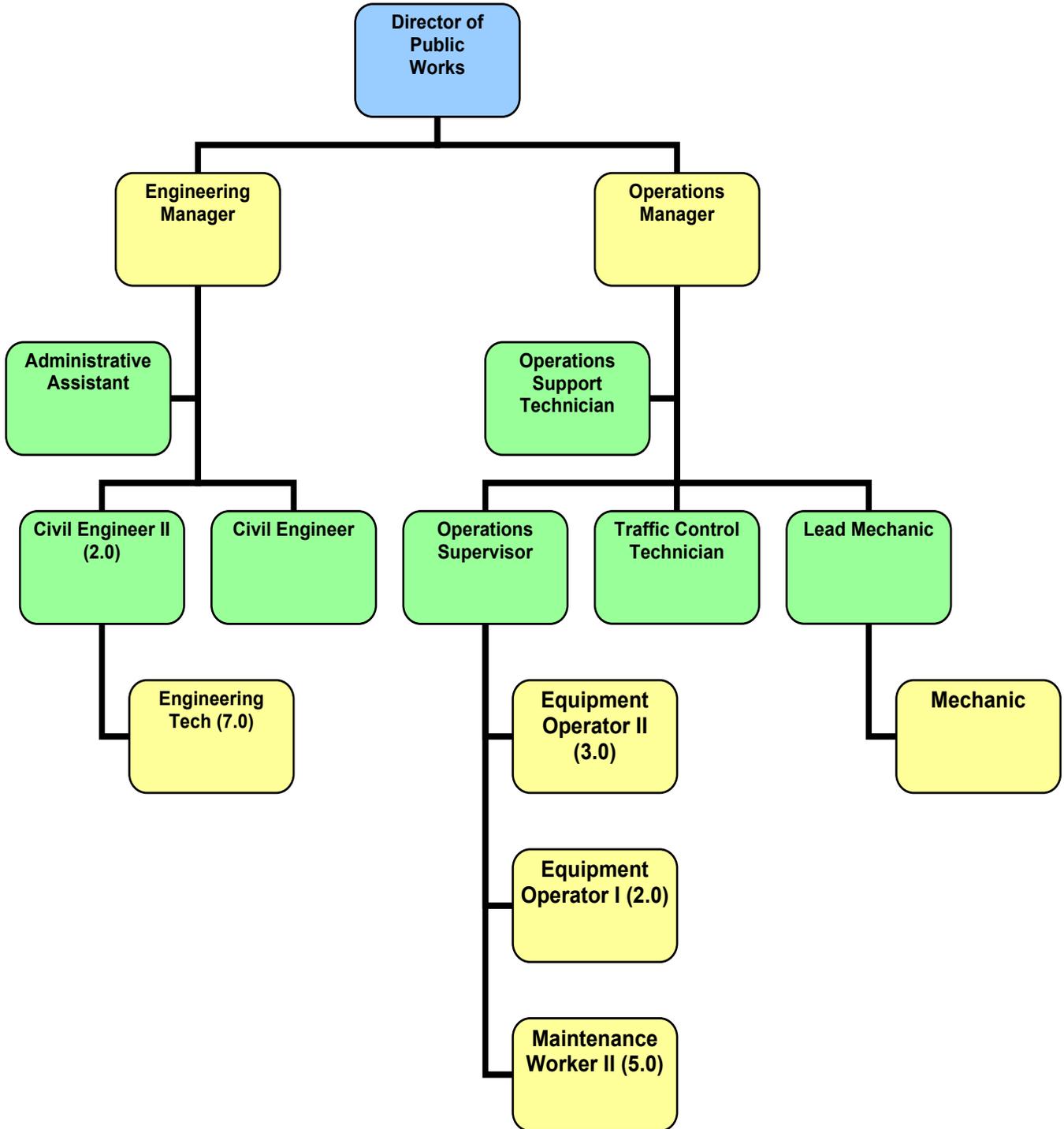
# Public Works

## Total Budget by Program

	2010 Actual	2011 Adjusted	2011 Estimated	2012 Adopted
Administration	\$149,400	\$154,227	\$154,227	\$156,308
Engineering	\$888,360	\$1,065,284	\$1,067,539	\$1,001,931
Operations	\$2,285,182	\$3,280,582	\$3,280,582	\$3,241,133
<b>TOTAL</b>	<b>\$3,322,942</b>	<b>\$4,500,093</b>	<b>\$4,502,348</b>	<b>\$4,399,372</b>

## Total 2012 Budget by Program







**PUBLIC WORKS  
PROGRAMS**

**Administration**

Engineering

Operations



**DID YOU KNOW**

*The first bicycle was a wooden contraption with two wheels of the same size and a pole that linked them together? It was developed around 1790 in France and was called a celerifere.*

## Administration

### Overview

- Maintain and manage improvements for 133 miles of streets and 36 miles of storm sewers throughout the City
- Assist the Community Development Department in review of commercial and residential development projects and building permit applications
- Administer and police construction activities in street rights-of-way
- Manage and maintain the City's fleet vehicles and equipment

### 2011 Achievements

- Applied for and received a \$2,924,000 federal grant for the widening of 32nd Avenue from Wright Court to Braun Court
- Applied for and received a \$2,473,000 federal grant to construct a multi-use trail along Kipling Street from 32nd Avenue to 44th Avenue
- Applied for and received a \$288,000 state FASTER grant to purchase and install thirty bus stop shelters
- Negotiated an intergovernmental agreement with RTD for construction of the Gold Line
- Negotiated an intergovernmental agreement with the Urban Drainage and Flood Control District to construct a \$1,500,000 trunk storm sewer to serve the new RTD Gold Line

### 2012 Objectives

- Develop a stormwater franchise
- Develop alternative revenue sources for transportation projects

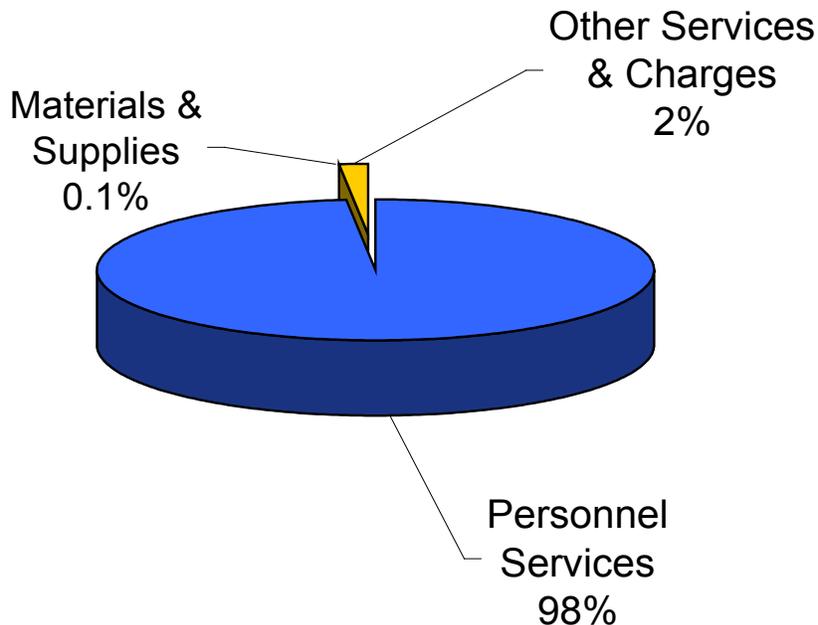
# Administration

## Staffing and Financial Summary

	2009 Authorized	2010 Authorized	2011 Authorized	2012 Authorized
Public Works Director	1	1	1	1
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

	2010 Actual	2011 Adjusted	2011 Estimated	2012 Adopted
Personnel Services	\$148,687	\$151,477	\$151,477	\$153,558
Materials & Supplies	\$0	\$100	\$100	\$100
Other Services & Charges	\$713	\$2,650	\$2,650	\$2,650
Capital Outlay	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$149,400</b>	<b>\$154,227</b>	<b>\$154,227</b>	<b>\$156,308</b>

### Total 2012 Budget by Object



**PUBLIC WORKS  
PROGRAMS**

Administration

**Engineering**

Operations



***DID YOU KNOW***

*The electric traffic signal was invented in 1923 by Garrett Morgan in Cleveland Ohio? The lights were changed manually by an operator positioned at the intersection.*

## Engineering

### Overview

- Plan and administer the design and construction of street, drainage and traffic improvement projects and preventive street maintenance projects identified in the Capital Investment Program
- Review proposed development construction documents such as: roadway design plans, grading and drainage plans, along with final drainage reports, for compliance with City specifications
- Process right-of-way construction permits and approve traffic control plans
- Respond to service requests as required
- Support the Community Development Department on proposed development matters related to engineering

### 2011 Achievements

- Completed Phase 3 of the Bike and Pedestrian Master Plan
- Prepared conceptual designs for high priority streetscape corridors
- Completed a federal grant-funded Wadsworth Boulevard median project
- Completed a federal grant-funded Wadsworth Boulevard multi-use trail project

### 2012 Objectives

- Complete the 32nd Avenue widening project
- Complete the bus stop shelter project
- Design the Kipling multi-use trail project, acquire needed rights-of-way
- Design and construct a City gateway sign on Wadsworth Boulevard
- Implement an asset management system for the City's streets and sidewalks
- Design and construct a storm sewer to drain 29th Avenue at Chase Street

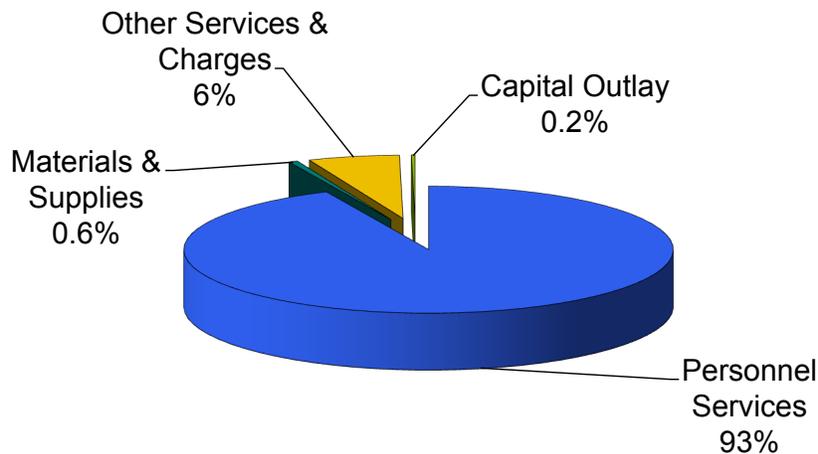
# Engineering

## Staffing and Financial Summary

	2009 Authorized	2010 Authorized	2011 Authorized	2012 Authorized
Engineering Manager	1	1	1	1
Administrative Assistant	1	1	1	1
Civil Engineer II	2	2	2	2
Civil Engineer	1	1	1	1
Engineering Technician	7	7	7	7
<b>TOTAL</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>

	2010 Actual	2011 Adjusted	2011 Estimated	2012 Adopted
Personnel Services	\$851,005	\$908,454	\$908,454	\$933,241
Materials & Supplies	\$1,006	\$3,750	\$3,750	\$5,880
Other Services & Charges	\$31,173	\$150,730	\$150,730	\$60,410
Capital Outlay	\$5,176	\$2,350	\$4,605	\$2,400
<b>TOTAL</b>	<b>\$888,360</b>	<b>\$1,065,284</b>	<b>\$1,067,539</b>	<b>\$1,001,931</b>

### Total 2012 Budget by Object



**PUBLIC WORKS  
PROGRAMS**

Administration

Engineering

**Operations**



**DID YOU KNOW**

*The first electric/ gasoline hybrid automobile was invented in 1900 by Ferdinand Porsche in Vienna, Austria? It travelled 38 miles on a full battery charge and had a gasoline engine to recharge the batteries and extend the range.*

## Operations

### Overview

- Provide routine and preventive maintenance services for streets, alleys, storm sewers and walkways within the public rights-of-way
- Manage the City's automotive fleet and power equipment of more than 230 pieces
- Provide snow removal and ice control on City streets

### 2011 Achievements

- Upgraded the traffic signal at 44th Avenue and Eldridge Street
- Maintained the City's infrastructure with a limited budget

### 2012 Objectives

- Continue to enhance traffic signal communications capabilities
- Upgrade the traffic signals
- Implement a traffic sign retro reflectivity program in compliance with federal standards

### 2012 Vehicle and Equipment Replacement

- 4 Police sedans, Units 80, 94, 97 & 98
- 1 Police motorcycle, Unit 6
- 1 Parks large 4X4 pickup with plow, Unit 246
- 1 Facilities small 4X4 pickup, Unit 304
- 1 Recreation minivan, Unit 70
- 1 Public Works tandem dump truck with plow, Unit 247
- 1 Building small 4X4 pickup , new addition

# Operations

## Staffing and Financial Summary

	2009 Authorized	2010 Authorized	2011 Authorized	2012 Authorized
Operations Manager	1	1	1	1
Operations Supervisor	1	1	1	1
Administrative Assistant	1	0	0	0
Operations Support Technician	0	1	1	1
Equipment Operator II	3	3	3	3
Equipment Operator I	2	2	2	2
Maintenance Worker II	5	5	5	5
Traffic Control Technician	1	1	1	1
Lead Mechanic	1	1	1	1
Mechanic	1	1	1	1
<b>TOTAL</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>

	2010 Actual	2011 Adjusted	2011 Estimated	2012 Adopted
Personnel Services	\$959,762	\$969,482	\$969,482	\$990,933
Materials & Supplies	\$453,926	\$647,000	\$647,000	\$781,200
Other Services & Charges	\$692,309	\$845,600	\$845,600	\$944,000
Capital Outlay	\$179,185	\$818,500	\$818,500	\$525,000
<b>TOTAL</b>	<b>\$2,285,182</b>	<b>\$3,280,582</b>	<b>\$3,280,582</b>	<b>\$3,241,133</b>

### Total 2012 Budget by Object

