



Public Works Department



## Public Works Department CIP Presentation May 8, 2018


Public Works Department



### Street Capital Projects

- ❑ Maintenance/Preservation/Rehabilitation Projects – Improvements to extend the life of the roadway pavement, curbs, gutters and sidewalks to provide quality transportation system.
- ❑ Circulation Projects – New roadway, sidewalks, bicycle facilities and other extensions of existing infrastructure.
- ❑ Roadway Reconstruction Projects – Major improvements to existing roadways to improve historic operating conditions.
- ❑ Drainage Projects – Stormwater related projects to improve drainage flows to provide a reasonably safe environment from flooding and to meet FEMA and other regulatory requirements.


**Maintenance Preservation Rehabilitation  
Capital Projects**



**Public Works Department**

- Pavement Preservation Program
- Pavement Rehabilitation Program
- Sidewalk Improvement Program
  
- In-House Design
- Streets Fund and CDBG matching Funds


**Circulation System  
Capital Projects**



**Public Works Department**

- **Corsair Extension**
- Safe Routes to School Program
- Intersection Signalization Project
  
- Streets Fund, Grant Funds


**Roadway Reconstruction  
Capital Projects**



**Public Works Department**

- E. Goodwin/S. Washington Streets
- N. Washington/Churchill Streets
- Penn/Eastwood Streets
- Summit/Beach/McCormick Streets
- Gail Gardner Way
- Hope Street
- Carleton/Cortez Streets
- Gurley Street
- W. Haisley Road
  
- Streets, Water, Wastewater Funds
- Consultant Design


**Drainage Improvement  
Capital Projects**



**Public Works Department**


- **Citywide Drainage Improvement Program**
- **Stormwater Master Plan**
- **Willow Creek Berm Improvement**
- North Fork Miller Creek Channel Improvement
- Sheldon Street Drainage Improvements
  
- Yavapai County Flood Control Funds, Streets Fund, FEMA Grant

### Street Capital Projects



Public Works Department

Public Works Capital Program						
FY19	FY20	FY21	FY22	FY23	FY24	Total
<b>Maintenance/Preservation/Rehabilitation Projects</b>						
\$4,185,000	\$4,185,000	\$4,185,000	\$4,185,000	\$4,185,000	\$4,185,000	\$25,110,000
<b>Circulation Projects</b>						
\$1,070,000	\$200,000	\$20,000	\$200,000	\$20,000	\$200,000	\$1,710,000
<b>Reconstruction Projects</b>						
\$23,252,028	\$6,190,000	\$4,740,000	\$3,025,000	\$5,020,000	\$8,055,000	\$50,283,028
<b>Drainage Projects</b>						
\$725,000	\$925,000	\$2,225,000	\$825,000	\$1,000,000	\$261,000	\$6,425,000
<b>Totals by Fiscal Year</b>						
\$29,268,028	\$11,500,000	\$11,170,000	\$8,235,000	\$10,225,000	\$13,165,000	\$83,563,028

- ### Water Capital Projects
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- Public Works Department
- Water Production Projects** – Installation, rehabilitation, maintenance of wells, tank and pump station improvements to insure an adequate water supply to meet the City’s needs.
  
  - Water Distribution Projects** – Replacement, rehabilitation, and upsizing of pipeline improvements to existing facilities due to age, condition, maintenance history, improved pressure, improved capacity, management of water system.
  
  - Water Quality Projects** – TMDL and Stormwater related projects to address water quality and drainage system management associated with regulatory requirements.

**Water Production Capital Projects**

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Public Works Department

- Chino 5 mg Tank
- **Water Interconnect and Booster Pump Station CMAR**
- Zone 16 Tank, Pump Station, Water Mains
- Production Well Rehabilitation Program
- Zone 56/76 Pump Station
- Storage Tank Rehabilitation Program



**Water Distribution Capital Projects**

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Public Works Department

- Small Water Mains Phase 3
- SCADA Standardization
- Zone 61/41/40/0 Main Upgrades
- Zone 24/27 Pipeline Upsizing




## Water Quality Capital Projects




Public Works Department

- TMDL Action Plan
- Dam Repairs and Rehabilitation





## Water Capital Projects



Public Works Department

Public Works Capital Program						
FY19	FY20	FY21	FY22	FY23	FY24	Total
Water Production Projects						
\$21,145,300	\$29,540,000	\$12,564,500	\$4,915,700	\$275,000	\$262,500	\$68,706,000
Water Distribution Projects						
\$957,800	\$1,366,500	\$926,000	\$1,882,500	\$2,955,800	\$1,694,200	\$9,782,800
Water Quality Projects						
\$2,200,000	\$261,000	\$301,000	\$261,000	\$261,000	\$261,000	\$3,545,000
Totals by Fiscal Year						
\$24,303,100	\$31,167,500	\$13,791,500	\$7,059,200	\$3,491,800	\$2,492,900	\$82,306,000

**Wastewater Capital Projects** 

**Public Works Department**

- ❑ Wastewater Collection Projects –Rehabilitation and upsizing of trunk mains and lift stations improvements to insure an adequate wastewater system capacity to meet the City’s needs.
  
- ❑ Wastewater Treatment Projects – Rehabilitation, modernization and expansion of treatment facilities. Centralization of treatment facilities for improved efficiencies.


**Wastewater Collection Capital Projects** 

**Public Works Department**

- Sundog Trunk Main (Phase B and C)
- Airport Trunk Main
- Hassayampa Sewer Trunk Main Upsizing
- City Lights Sewer Main Replacement

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## Wastewater Treatment Capital Projects



- Sundog Equalization Basin and Plant Decommissioning
- Effluent Tank, Pipeline and Conversion
- Airport Wastewater Reclamation Facility Expansion Phase 2

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## Wastewater Capital Projects



Public Works Capital Program						
FY19	FY20	FY21	FY22	FY23	FY24	Total
Wastewater Collection Projects						
\$11,625,000	\$6,600,000	\$5,200,000	\$4,853,000	\$360,500	\$1,655,000	\$30,293,500
Wastewater Treatment Projects						
\$125,000	\$0	\$0	\$0	\$4,050,000	\$11,587,500	\$15,762,500
Totals by Fiscal Year						
\$11,750,000	\$6,600,000	\$5,200,000	\$4,853,000	\$4,410,500	\$13,242,500	\$46,056,000