



WWRP Tertiary Filters



WWRP Recharge Wells



Transportation Master Plan



Ranger Station Park



Coffee Pot Drainage



Dog Park Improvements



## City of Sedona Public Works Department Capital Improvements Plan (CIP)



Brewer/Tlaquepaque Drainage



PD Shooting Range



Juniper Hills Area Drainage

## January 2018 - FY 18 Project Updates

WEB  
LINK:  
[www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP)



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**City of Sedona**  
**Public Works Department**  
 102 Roadrunner Drive Sedona, AZ 86336  
 (928) 204-7111 • Fax: (928) 282-5348

**Transportation Master Plan Update**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Kimley-Horn

**Contractor:** N/A

**Timing:** April 2016 – December 2017

**Construction Challenges:**

- N/A

**Project Manager:**

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 (928) 203-5059

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**City Engineer:**

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**\$ FY18 Project Budget:** \$10,000

**Total Project Budget:** \$250,000

This study was needed due to the growing congestion issues the City has experienced. The update provides a comprehensive plan to improve multimodal transportation throughout the City. Kimley-Horn was selected through a competitive Request for Qualification process. The design contract was approved by Council on April 12, 2016. The scope of work included a review of previous plans and studies, data collection, stakeholder interviews, current/future conditions analysis, toolbox workshops, and two phases of public outreach through an online engagement survey. All proposed strategies were discussed at Council on January 10, 2017, and more detailed discussions with Council occurred over the next several months. The consultant collected Google travel time data between February 2017 and January 2018 to measure the quantity and frequency of delays.

**Status:** On January 9, 2018, City Council approved a resolution and ordinance amending the City Tax Code Article IV to temporarily increase the City's Transaction Privilege Tax by .5% for a period of 10 years, dedicated to transportation related projects, services, and administration. The final Master Plan document has been completed. Staff will move forward with prioritized projects such as the Uptown Roadway Improvements and the Forest Road Connection. These projects, resulting from the Master Plan, will be denoted as Sedona in Motion projects indicating they are funded by the transportation sales tax.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	100%	December 2017
Construction	N/A	N/A



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**Dog Park Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Norris Design

**Contractor:** Valwest Construction

**Construction Challenges:**

- Phasing of construction per Master Plan

**Project Manager:**

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**\$ FY18 Project Budget:** \$180,000

**Const. Contract Awarded:** \$228,548

**Total Project Budget:** \$266,968

The Posse Grounds Dog Park Project will renovate and upgrade the existing dog park in Sedona’s largest community park, Posse Ground Park. Depending on future fiscal years’ budgets, the City would construct the phased improvements proposed in the Dog Park Master Plan. The Master Plan proposes an improved ground surface, K9/human drinking fountains, and other upgrades that can be included to improve the park based on best practices and community feedback. Phase 1 improvements include: Parking improvements, water station/drainage improvements, and artificial turf and other surface material improvements.

**Status:** The Master Plan was developed with input from the public and staff in FY 2016-2017. Phase 1 design was completed in April 2017. The construction contract was advertised for bid and re-advertised due to funding issues. Staff was ultimately able to recommend award and Council awarded a construction contract on August 8, 2017.

Construction began on September 11 and was complete in mid November 2017.

The grand opening held on November 30 was well attended and the park is open for canines and their humans.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Construction (Phase 1)	100%	November 2017



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**Ranger Station Park**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Norris Design

**Contractor:** TBD

**Timing:** Master Plan design complete  
 Phase 1 Design-June 2017

**Construction Challenges:**

- Phasing of construction due to Master Plan
- Maintaining historic elements
- Finding a qualified contractor

**Project Managers:**

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**City Engineer:**

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**\$ FY18 Project Budget:** \$120,175  
**Total Project Budget:** \$261,600

The following summarizes the Ranger Station Park Master Plan:

**Major elements** consist of the Barn and House: multi-purpose community rental spaces; the Plaza: multi-purpose open area between the house and barn and the Open Lawn: large open area south of the barn.

**Possible activities** include community events, weddings, family reunions; concerts, dances, plays, movies; historic talks and tours; classes and workshops; meetings and small conferences; farmers market and temporary art galleries.

**Recreation Amenities** include walking path, picnic tables, swings, play features and pickleball courts.

**Possible Recreation Activities** include horseshoes, croquet, hopscotch, yoga and frisbee.

**Park Features** include historic interpretive information, art murals and sculptures, benches and food truck vendor space.

**Design Features** include green building: energy and water efficient; native landscaping: plants representative of the natural, local landscape and orchard trees for shade and in recognition of the historic orchards in Sedona.

Phase 1A includes: Installing underground utilities and rough grading the site. Design of the gravity sewer system has been completed.

**Status:** In FY 2018 we will complete construction of the Phase 1A improvements. For further project information visit the project web page: [www.sedonaaz.gov/rangerstation](http://www.sedonaaz.gov/rangerstation).

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Construction (Phase 1A)	0%	May 2018



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**Courtroom Remodel**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Don Woods Architect

**Contractor:** TBD

**Construction Challenges:**

- Efficiently utilize space to create a functional court house

**Project Manager:**

Ryan Mortillaro, EIT  
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**\$ FY18 Project Budget:** \$272,500

**Total Project Budget:** \$272,500

The court and City Council often compete for the usage of the existing court chambers at City Hall. As court usage steadily increases, the need for a dedicated full time court house is becoming a basic need. The extent of this project is to remodel the interior of the building on 55 Sinagua Drive. This will be a full remodel and will ensure court functions and needs are met.

**Status:** Don Woods Architect has been selected and an as-built of the building has been completed. Design is underway.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	25%	March 2018
Construction	0%	TBD



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**PD Facility Renovation**

**FY18 CIP Update**



**KEY FEATURES:**

Consultant: TBD

Contractor: TBD

Construction Challenges:

- Remodel with minimal disruption to Police Department function

Project Manager:

Ryan Mortillaro, EIT  
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City Engineer:

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**\$ FY18 Project Budget:** \$150,000

**Total Project Budget:** \$150,000

The Police Department has determined the need to efficiently remodel underutilized floor space. This project will assess the full needs of the Police Department, and may result in a full remodel of the existing station, and the addition of new floor space.

Status: The City of Sedona is currently reviewing a design proposal from a consultant.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	0%	TBD
Construction	0%	TBD



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**PD Shooting Range Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Lyon Engineering

**Contractor:** TBD

**Construction Challenges:**

- N/A

**Project Manager:**

Ryan Mortillaro, EIT

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**\$ FY18 Project Budget:** \$272,500

**Total Project Budget:** \$726,250

The Police Department has determined the need for a more functional shooting range facility. The shooting range will see improvements to restroom facilities, storage, and an additional briefing/presentation room.

**Status:** The bid opening took place on October 26, 2017. All bids received were unsuccessful. A modular classroom is currently in the process of procurement.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	100%	Summer 2017
Construction	0%	Summer 2018





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**Brewer Road/Tlaquepaque Drainage Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Shepherd-Wesnitzer, Inc.

**Contractor:** Tiffany Construction Co.

**Timing:**

Phase 4:

Design: Jan 2016 – Oct 2016

Construction: FY 2017 & 2018

**Construction Challenges:**

- Pedestrian access
- Business access
- Utility Coordination
- Maintenance of Drainage
- Maintenance of Traffic

**Project Manager:**

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**City Engineer:**

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**\$ FY18 Project Budget:** \$1,418,805

**Total Project Budget:** \$3,623,896

Phases 1 and 2 of this project included installing barriers along the top of the wash bank. These improvements increased the entire channel capacity between Brewer Road and Oak Creek. However, the ultimate design capacity of the channel will not be reached until Phase 4 is complete; see below.

Phase 3 included the replacement of double box culverts at Portal Lane and the pedestrian walkway with a single box culvert at Portal Lane and a clear span steel pedestrian bridge. The work for this phase was completed in June 2016.

Phase 4 design includes improving the entire channel cross section between Brewer Road and Oak Creek to convey the 25-year flow.

**Status:** Phase 4 design began in January 2016 and was completed in October 2016. Phase 4A (Portal Lane to Oak Creek) construction was budgeted in FY 2017 and Phase 4B (Brewer Road to Portal Lane) construction is budgeted in FY 2018. On January 24, 2017, City Council approved a resolution to enter into Cost-Sharing Agreements with Tlaquepaque and Los Abridados in the amount of \$250,000 for each party to construct the Phase 4 improvements. Phase 4A construction began on March 6, 2017, and reached final completion on August 18, 2017. Phase 4B construction began on October 16, 2017, and is expected to be complete by March 29, 2018.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design – Phase 4	100%	October 2016
Construction (Portal Ln–Oak Creek)	100%	August 2017 (Phase 4A)
Construction (Brewer Rd-Portal Ln)	55%	Spring 2018 (Phase 4B)



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**Brewer Road Crossing Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Shepherd-Wesnitzer, Inc.

**Contractor:** Tiffany Construction Co.

**Timing:**

Design: FY 2017

Construction: FY 2018

**Construction Challenges**

- Business and Residential Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

**Project Manager:**

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**\$ FY18 Project Budget:** \$856,900

**Total Project Budget:** \$951.850

This project involves the removal of an existing corrugated metal arch culvert and its replacement with a reinforced concrete box culvert. The new box culvert will be designed to convey the 25-year storm event. The project will include channel improvements for approximately 75' downstream to tie into the upstream extent of the Brewer Road / Tlaquepaque Drainage Improvements – Phase 4 (once those Phase 4 improvements are complete). Brewer Road / Ranger Road surface improvements and intersection alignment improvements will be made in the vicinity of the crossing as well.

**Status:** The design work for this project was budgeted in FY 2017 and completed in June 2017. A water main, three pressure gas mains, and a telephone cable need to be relocated to make room for this project. This utility relocation work is expected to take approximately four months of the initial part of the construction schedule. The construction for this project is budgeted in FY 2018, and began on October 30, 2017. This project is expected to be complete by June 29, 2018.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	100%	June 2017
Construction	15%	Summer 2018



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**Coffee Pot Drainage Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** JE Fuller, Inc.

**Contractor:** Tiffany Construction Co.

**Timing:**

Phase 3: FY 2018

Phase 4: FY 2019

**Construction Challenges**

- Business and Residential Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

**Project Manager:**

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**\$ FY18 Project Budget:** \$1,295,000

**Total Project Budget:** \$4,699,441

Phase 1 included improvements in front of the Casa Bonita Condominium Subdivision. The improvements upgraded existing storm drain infrastructure and added new 72" storm drainage pipe. This work was completed in March 2016.

Phase 2 included installing 72" storm drainage pipe at the Coffee Pot Drive Crossing and along Grasshopper Lane, just past the existing Grasshopper Lane drainage crossing. This work was completed in April 2017.

Phase 3 (Grasshopper Phase) includes installing 72" storm drainage pipe along Grasshopper Lane, up to the downstream (south) side of Sanborn Drive. At the completion of this phase, Grasshopper Lane will be completely repaved.

Phase 4 (Little Elf Phase) includes installing 72" storm drainage pipe from the downstream side of Sanborn Drive, then along Little Elf Drive, to the City of Sedona parcel, north of the Coffee Pot Subdivision. This will include an inlet structure and a sediment basin. At the completion of this phase, Little Elf Drive will be completely repaved.

**Status:** Design of all phases is complete. The utility relocation work of placing overhead utilities underground and relocating a gas main for Phase 3 is complete. The Phase 3 construction is budgeted in FY 2018, and began on January 2, 2018. The expected completion date is June 15, 2018. Phase 4 construction is budgeted in FY 2019.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design (all four phases)	100%	January 2016
Construction (Grasshopper Phase)	12%	Summer 2018 (Phase 3)



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**Juniper Hills Area Drainage Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Shepherd-Wesnitzer, Inc.

**Contractor:** Tiffany Construction Co.

**Timing:**

Design: FY 2018

Construction: FY 2019

**Construction Challenges**

- Residential Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

**Project Manager:**

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**\$ FY18 Project Budget:** \$100,000

**Total Project Budget:** \$701,000

This project involves design and installation of storm drainage improvements in the Juniper Lane Area. Capacity of existing drainage conveyances will be increased from a point along Juniper Lane, just north of Cindy Lane, to an outlet near Oak Creek. The new improvements will be designed to convey the 25-year storm event. The installation of these drainage improvements will involve removal of approximately 800 feet of existing private street structure. The City will replace the street, but will not take ownership of, or maintain, the replaced street in the future; however, the City will maintain these storm drainage improvements after they are installed.

**Status:** The design work for this project is budgeted in FY 2018. The design process began in October 2017, and is expected to be complete in March 2018. The construction for this project is budgeted in FY 2019. Drainage easements from residents in the project area will be necessary. David Peck is meeting with property owners to keep them informed regarding the project's design/progress.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

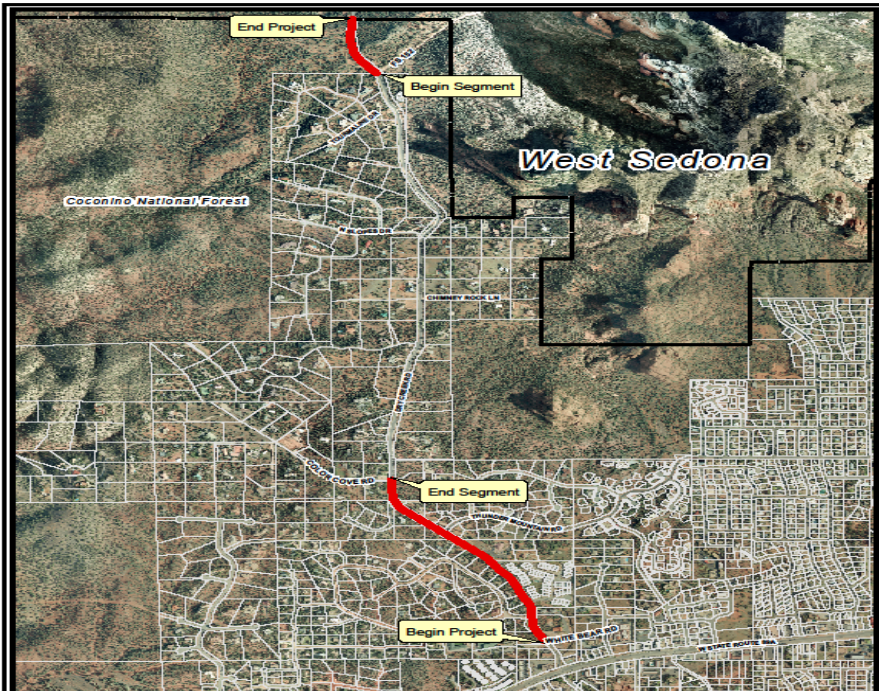
Project Phase	% Completion	Completion Date
Design	50%	Spring 2018
Construction	0%	FY 2019



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**Dry Creek Road Overlay**

**FY18 CIP UPDATE**



**KEY FEATURES:**

**Consultant:** Woodson Engineering, Inc

**Contractor:** TBD

**Timing:** FY18 Construction

**Construction Challenges:**

- Environmental Clearances
- Maintenance of Traffic

**Project Manager:**

Stephen Craver, PE  
 (928) 203-5059

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**City Engineer:**

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**\$ FY18 Project Budget:** \$425,533

**Total Project Budget:** \$497,829

The project will include a mill and overlay, with minor shoulder widening. The segments of Dry Creek Road included are between White Bear Road and Color Cove Road and between Forest Service Road 152 and the city-limit boundary.

This project is part of the Surface Transportation Program (STP), which utilizes federal funds administered by the Arizona Department of Transportation (ADOT) through the Northern Arizona Council of Governments (NACOG). The city has partnered with Yavapai County to combine this project with their Boynton Pass Road Project. City Council and the Yavapai County Board of Directors approved an Intergovernmental Agreement (IGA) in March 2016 for the county to manage the project, with the city contributing funding for the city's portion of the project. The city and county intend to utilize ADOT's HURF Exchange program which will eliminate the need to design and construct the roadway to federal standards, reducing overall costs in the process.

**Status:** Final plans, specifications and cost estimate are expected by early February 2018. Yavapai County is working with ADOT to formalize the HURF exchange IGA by early March. Construction advertisement would occur in late March.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

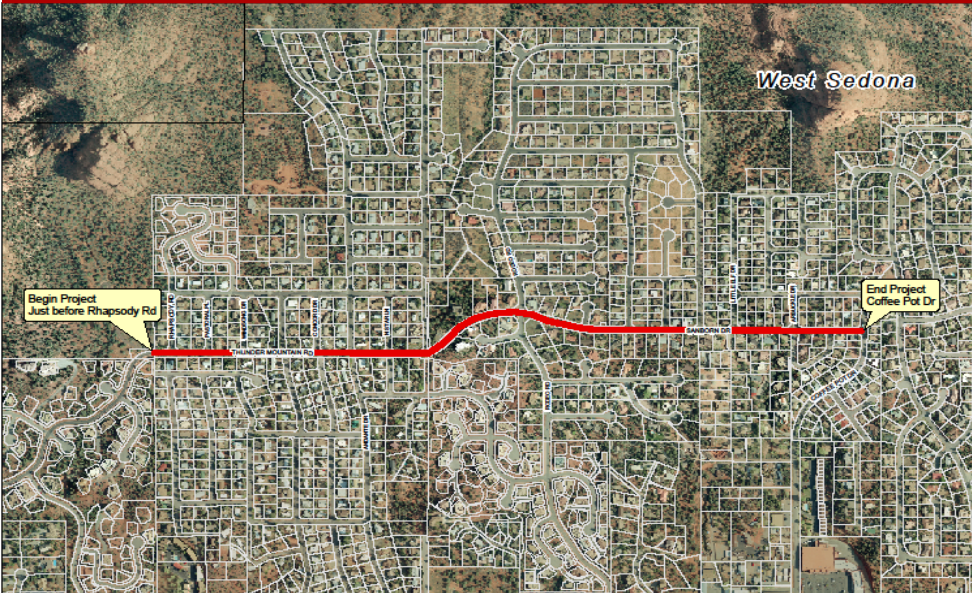
**January 2018**

Project Phase	% Completion	Completion Date
Design	95%	February 2018
Construction	0%	June 2018



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**Sanborn Drive/Thunder Mountain Road Overlay** **FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Woodson Engineering, Inc.

**Contractor:** TBD

**Timing:** Fall 2018 Construction

**Construction Challenges:**

- Environmental Clearances
- Maintenance of Traffic

**Project Manager:**

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**City Engineer:**

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**\$ FY18 Project Budget:** \$75,750

**Total Project Budget:** \$682,174

The project will include a mill and overlay, with minor shoulder widening. The approximate one mile segment of Sanborn Drive/Thunder Mountain Road is between Rhapsody Road and Coffee Pot Drive.

This project is part of the Surface Transportation Program (STP), which utilizes federal funds administered by the Arizona Department of Transportation (ADOT) through the Northern Arizona Council of Governments (NACOG). Council approved an Intergovernmental Agreement with ADOT at the July 12, 2016 meeting. The IGA allows the City and State to work together to develop project plans and specifications for the project, in compliance with federal requirements. A professional services contract with Woodson Engineering was approved by Council on September 13, 2016. The project will include curb along the south side of the roadway allowing for the construction of a shared use path in the future. The City intends to utilize ADOT's HURF Exchange program which will eliminate the need to design and construct the roadway to federal standards, reducing overall costs in the process.

**Status:** Final plans, specifications, and cost estimate are expected in March 2018. A template IGA has been provided by ADOT and staff is compiling the documents necessary to establish the project in the HURF exchange program.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status** **January 2018**

Project Phase	% Completion	Completion Date
Design	95%	March 2018
Construction	0%	Summer/Fall 2018



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**Sedona in Motion – Uptown Roadway Improvements**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** TBD

**Contractor:** TBD

**Timing:** April 2018 – FY 19

**Construction Challenges:**

- Heavy vehicular and pedestrian traffic
- Land acquisition
- Potential for restricted work hours based on public outreach feedback

**Project Manager:**

Stephen Craver, PE  
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**City Engineer:**

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**\$ FY18 Project Budget:** \$632,000

**Total Project Budget:** \$3,512,000

This project is a result of the Transportation Master Plan. It was identified by Council as the highest priority project. The project will include construction of a raised median with decorative barrier or landscaping; construction of a turn around on the north end of Uptown; construction of an additional southbound travel lane on SR 89A through Uptown; construction of a roundabout on SR 89A at Jordan Road; development of a new access to public parking via Schnebly Road; and traffic signal alterations.

**Status:** The request for qualifications (RFQ) solicitation is in process. A pre-submittal conference was held on January 9, 2018 and Statements of Qualification (SOQ) have been received from three interested consultants. Staff is currently reviewing SOQ's and will conduct interviews with qualified candidates on February 22, 2018. It is anticipated that a design contract would be taken to City Council in March 2018 for approval.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	0%	December 2018
Construction	0%	TBD



**Sedona in Motion – Forest Road Connection**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Southwestern Environmental Consultants (SEC)

**Contractor:** TBD

**Timing:** December 2017 – FY 19

**Construction Challenges:**

- Extremely steep slopes
- Land acquisition

**Project Manager:**

Stephen Craver, PE  
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**City Engineer:**

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**\$ FY18 Project Budget:** \$520,000  
**Total Project Budget:** \$1,320,000

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The connection will allow for residents who live in the Uptown area, to avoid SR 89A and the “Y” when traveling to and from West Sedona. Land acquisition will be necessary in order to make this a public connection.

**Status:** Feasibility/Concept design is in progress by Southwestern Environmental Consultants, Inc. (SEC) to identify the preferred alignment of the connection. It is currently anticipated that the feasibility study will be completed by May 2018. Following completion of the Feasibility Study staff anticipates moving forward with a solicitation for design services and completing the project design by early calendar year 2019.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

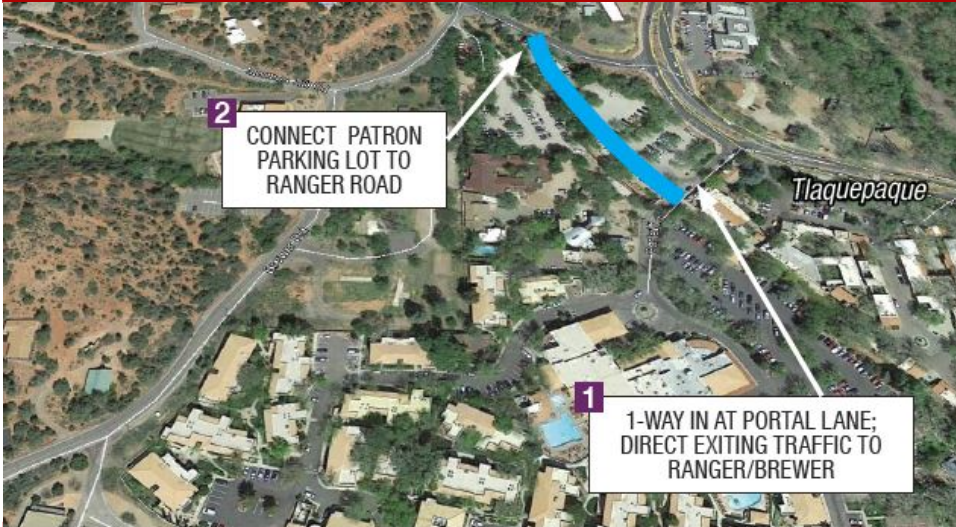
Project Phase	% Completion	Completion Date
Design	5%	December 2018
Construction	0%	TBD





**Sedona in Motion – Brewer-Ranger Connection**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Shephard-Wesnitzer (SWI)

**Contractor:** TBD

**Timing:** December 2017 – FY 19

**Construction Challenges:**

- Land acquisition
- Maintenance of parking / traffic

**Project Manager:**

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**\$ FY18 Project Budget:** \$460,000

**Total Project Budget:** \$760,000

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The project considers making Portal Lane a one-way entrance during high peak tourist seasons, and during special events, and directing exiting vehicles on to Ranger Road and/or Brewer Road. This will greatly reduce the number of vehicles needing to make a U-turn at the Schnebly Hill roundabout, which will reduce congestion and improve travel time for northbound SR 179. Land acquisition will be necessary in order to make this a public connection.

**Status:** A design proposal received from SWI to conduct a feasibility study and preliminary design to identify the preferred location of the connection remains under review and consideration. Staff is currently focused on identifying project opportunities and needs with stakeholder input in order to capture all appropriate components of the feasibility and design work scope.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

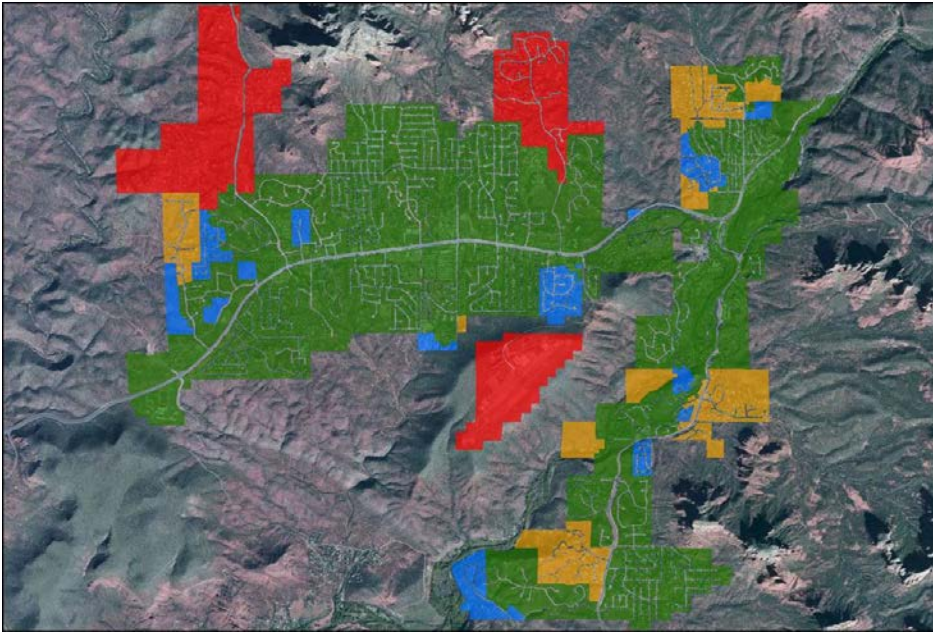
Project Phase	% Completion	Completion Date
Design	0%	June 2018
Construction	0%	TBD



**City of Sedona**  
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**Wastewater Master Plan Update**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Carollo Engineers, Inc.

**Contractor:** TBD

**Construction Challenges:**

- N/A

**Project Manager:**

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**\$ FY18 Project Budget:** \$150,000

**Total Project Budget:** \$980,000

The Wastewater Master Plan Update is a project that will evaluate the wastewater collections system. The report that is completed as part of this project will be an update to the previous Wastewater Master Plan, which was completed in 2000.

The report will identify service areas, system capacities, and future capital projects needed for repair or extension of the collection system.

**Status:** Information on the project can be found at [www.SedonaAZ.gov/wwmp](http://www.SedonaAZ.gov/wwmp).

Staff presented the final draft to Council and the public at a special City Council meeting on November 29, 2017. Council provided direction to staff to further analyze the cost and options for sewer extensions into areas that do not currently have sewer availability. Staff will present that analysis to Council in Spring 2018.

The final draft of the 2017 Wastewater Master Plan Update is expected to be completed in early February 2018.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status** **January 2018**

Project Phase	% Completion	Completion Date
Design	99%	February 2018
Construction	N/A	N/A



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**WWRP Bar Screen & Headworks Replacement**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Sunrise Engineering, Inc.  
**Contractor:** Fann Environmental, LLC

**Construction Challenges:**

- Treatment Plant must remain operational during construction

**Project Manager:**  
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**\$ FY18 Project Budget:** \$716,775  
**Total Project Budget:** \$935,000

The WWRP Bar Screen & Headworks Replacement Project will replace two existing bar screens with new bar screens. The bar screens are a vital part of wastewater treatment which remove solids at the start of the treatment process.

**Status:** The project was advertised for bid in September 2017 and City Council approved a construction contract with Fann Environmental, LLC at the September 26, 2017 City Council meeting. Notice to proceed was issued on October 9, 2017. The project will take 250 days to complete because of long lead times for production of the bar screen equipment.

Engineered drawings of equipment have been approved by the City, and the manufacturer has started building the custom bar screens. Physical construction at the WWRP will begin in spring 2018.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	100%	December 2016
Construction	10%	June 2018



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**WWRP Recharge Well No. 3 and No. 4**

**FY18 CIP Update**



The Wastewater Department began operating Recharge Well No. 1 and Well No. 2 in July 2017 after final completion and start-up of the two wells was achieved.

This project includes design, drilling and equipping of Recharge Well No. 3 and/or Well No. 4. The need to complete both wells will be determined during the design phase.

Status: Design for the recharge wells has begun and is approximately 15% complete. In addition to the recharge wells, the city is required to install a Point of Compliance (POC) well.

A Job Order Contract was awarded to KP Ventures Well Drilling and Pump Company for the drilling of the POC well and drilling of future recharge wells. KP Ventures experienced several unanticipated issues with the POC well and is continuing to drill, however the well is not expected to be complete until spring due to the issues.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**KEY FEATURES:**

Consultant: Carollo Engineers, Inc.  
Contractor: KP Ventures Well Drilling and Pump Company, LLC

Construction Challenges:

- Start-up and Programming

Project Manager:  
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**\$ FY18 Project Budget:** \$1,990,275  
**Total Project Budget:** \$12,664,758

**Project Status** **January 2018**

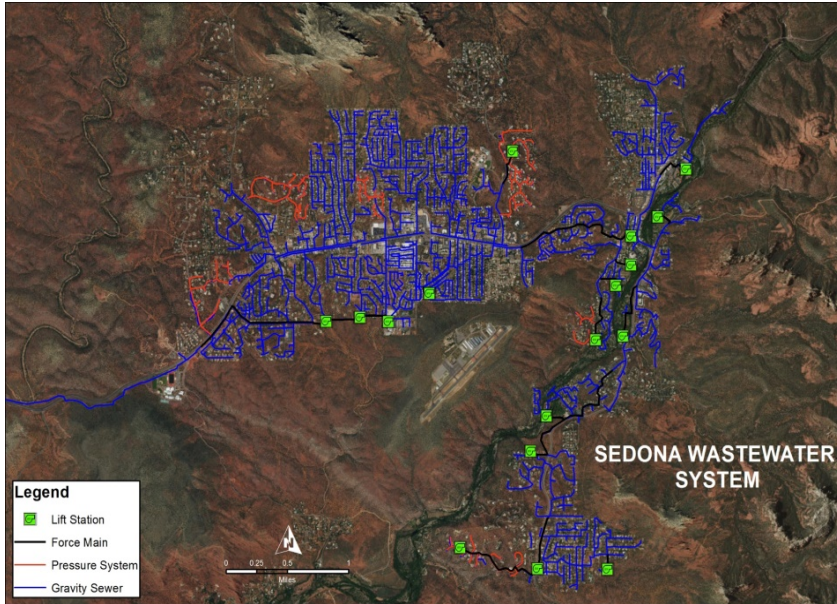
Project Phase	% Completion	Completion Date
Design	15%	Fall 2018
Construction (POC Well)	60%	Spring 2018



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**Mystic Hills & Chapel Lift Station Replacement**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Sunrise Engineering, Inc.

**Contractor:** TBD

**Construction Challenges:**

- Maintaining operation during construction

**Project Manager:**

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**\$ FY18 Project Budget:** \$1,170,000

**Total Project Budget:** \$5,373,800

A condition assessment of existing sewer infrastructure and capacity analysis of the City's Wastewater Collection System was completed as part of the Wastewater Master Plan Update. Evaluation of the operation of the City's 17 lift stations led to identification of improvements needed at 2 of the lift stations: Mystic Hills and Chapel.

This project will provide design and construction for an increase in the wet well capacity and upgrades to the pumps.

**Status:** After review of five submitted Statements of Qualifications and interviewing three consulting firms, Sunrise Engineering, Inc. was selected to complete the design services for the Mystic Hills and Chapel Lift Station Replacement Project. Staff is working with Sunrise Engineering to develop a scope of work for the project. The contract is scheduled for approval at the March 13, 2018 City Council meeting. Once approved, design will begin and is expected to take 6 months to complete.

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status** **January 2018**

Project Phase	% Completion	Completion Date
Design	0%	Summer 2018
Construction	0%	Winter 2018/19



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**WWRP Tertiary Filters Upgrade**

**FY18 CIP Update**



**KEY FEATURES:**

**Consultant:** Carollo Engineers, Inc.

**Contractor:** TBD

**Construction Challenges:**

- Maintaining operation during construction

**Project Manager:**

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**\$ FY18 Project Budget:** \$965,000

**Total Project Budget:** \$1,485,000

The tertiary filters at the Wastewater Reclamation Plant (WWRP) are essential to the treatment process. Currently the tertiary filters consist of sand filters, which are part of the original design of the WWRP. Recently, inefficiencies of the filters have surfaced and costly repairs are needed.

This project will evaluate the efficiencies, capital cost, and operating cost of rehabilitating the existing sand filters vs. switching to a different type of media for tertiary filtration. The project will also consist of design and construction.

**Status:** Carollo Engineers is preparing a Preliminary Design Report (PDR) which will compare rehabilitation of the existing sand filters to new media in order to determine the most cost effective and efficient filtration process over a 20-year life cycle. The PDR is expected to be complete in Spring 2018

For a copy of this update, or updates for other projects, visit the projects website at: [www.sedonaaz.gov/CIP](http://www.sedonaaz.gov/CIP).

**Project Status**

**January 2018**

Project Phase	% Completion	Completion Date
Design	0%	Spring 2018
Construction	0%	Fall 2018