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### STAFF REPORT

**TO:** TOM DUBOIS, CITY MANAGER  
**MEETING DATE:** SEPTEMBER 15, 2025  
**FROM:** DAN LAFONTAINE, PUBLIC WORKS DIRECTOR  
**SUBJECT:** PUBLIC WORKS DEPARTMENT REPORT FOR AUGUST 2025

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**Objective:** The objective of this staff report is to provide a monthly status update regarding activities within the Public Works Department.

**Executive Summary:** August has come and gone, and we are in the middle of some very large projects. The largest project affecting residents is the Miscellaneous Sewer Main Replacement Project and we are happy to report that the project is over 75% completed. This project will wrap up by the end of September and the City appreciates all the patience with the road closures. We also began work on the Henderson Underdrain Project at the face of the Henderson Reservoir. Our first big problem was dealing with the amount of existing sludge, which proved a much bigger problem than anticipated. Campbell construction has mitigated the sludge, and the project is moving forward. We completed some more vegetation clearing along old Hwy 49 and are far ahead of schedule this year thanks to the availability of the Cal Fire crews. We received approval from the council and the Measure P oversight committee to pave the other half of Broadway. This work should be completed by the end of the year through AWA. See more details of the major projects below:

*The Miscellaneous Sewer Main Replacement Project* – Work continues on the 2025 collection system projects as we finish up the largest section of work putting the project over 75% complete. As of September 5, 2025, the contractor has finished Areas A (Napa Auto Parts – Installed one manhole), Area B (Raylan Drive - Installed two new manholes and 160 feet of open cut), Area C (Dennis Street - Installing one new cleanout and 400 feet of pipe bursting), Area E (Old Highway 49 – Highland Drive to Old Sutter Hill Road) and Area F (Greenstone Terrace - Installed one new cleanout, two new manholes and 30 feet of open cut, and approximately 800 feet of pipe bursting) and is finishing up on Area G (Eureka Street at Broad Street – Installing one cleanout and 160 feet of pipe bursting).

The crew is currently working on Area D (Sutter Hotel/Fiefield Alley – Installing one manhole and 215 feet of pipe bursting) which will be our most difficult access area of the project. Fiefield will most likely be closed (due to the limited width of the road).

*ARSA Henderson Underdrain Project* – The Henderson reservoir is empty, and construction prep is underway as of August 18, 2025. A temporary rip-rap wall has been erected along the front of the

entrance to the vault in front of the underdrain pipe. The initial cleaning and video inspection of the pipe has been completed. It was discovered that the underdrain pipe, although deteriorating, is encased in concrete. Based on this new evidence, the contractor has proposed to remove what remains of the pipe and replace by cure in place pipe (CIPP) vs slip lining. The new design has been sent to DSOD and we are currently waiting for approval to proceed. Water is being supplied to the troughs by water trucks and the pump around when viable.

*Wastewater Treatment Request for Proposals* – The City is working with Schnieder Electric to finalize the scope of work and sign a contract.

**Upcoming:** *Miscellaneous Sewer Main Replacement Project* – After Area D and G the project will be complete, and the City will do a final punch list of items for closeout. The project will be completed around the beginning of October.

*Wastewater Treatment Plant* – An update is being presented to the council tonight

*ARSA Henderson Underdrain* – Construction will continue as soon as DSOD approval is granted.

**Detailed Summary:** Below is a detailed summary and/or status of the main PW responsibilities; Collection System, Wastewater Treatment Plant, Effluent Disposal, Streets and City Right of Way, Parks and Buildings, and Service Callouts.

### **Collection System Status:**

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#### *CIP work*

- *Miscellaneous Sewer main Replacement Projects.* – Work continues on the 2025 collection system projects as we finish up the largest section of work putting the project over 75% complete. As of September 5, 2025, the contractor has finished Areas A (Napa Auto Parts – Installed one manhole), Area B (Raylan Drive - Installed two new manholes and 160 feet of open cut), Area C (Dennis Street - Installing one new cleanout and 400 feet of pipe bursting), Area E (Old Highway 49 – Highland Drive to Old Sutter Hill Road) and Area F (Greenstone Terrace - Installed one new cleanout, two new manholes and 30 feet of open cut, and approximately 800 feet of pipe bursting). The work on Area B and Area E had many obstacles to overcome. We encountered gas lines that were installed right next to our sewer lines, concrete encased pipe across old Hwy 49, and a multitude of paving issues that had to be addressed. We also encountered an old storm drain that was well past its lifespan that needed to be replaced. See below:



Additional paving had to be completed to return the road to drivable conditions. The crew is finishing up on Area G (Eureka Street at Broad Street – Installing one cleanout and 160 feet of pipe bursting) with some landscaping left to restore the area. The crew is currently working on Area D (Sutter Hotel/Fiefield Alley – Installing one manhole and 215 feet of pipe bursting), which will be our most difficult access area of the project.

- *Upcoming Miscellaneous Sewer Main Replacement Projects* – After Area D and G the project will be complete, and the City will do a final punch list of items for closeout.
- RH Borden presented the results of the collection system flow meters from the sewer manholes in March. Generally, the results show that infiltration is occurring in four of the basins located downtown in varying degrees. The assessment also found some manholes that have signs of degradation (not properly sealed from groundwater). With the spill in the creek last month and pending repairs, staff is putting together a targeted list of items to investigate/repair further for next year's collection system repairs. This list will be presented to council by the end of October and finalized before the end of the year.
- The City excavation on Eureka St to replace 120 feet of pipe and install a cleanout halfway down Eureka St. was postponed as priorities shifted to identifying deficiencies in the leak detection areas for the upcoming AWA construction. This work will be accomplished before the rainy season.

#### *SSMP Activity*

Calls for service.

- 9/1/25; Pump station failure. The primary pump failed in the pump station resulting in a backup into the emergency vault. The emergency contractor was called to pump 3 truckloads (approximately 10K gallons) from the vault. A spare pump was installed on September 3, 2025. A replacement pump has been ordered.

#### *Sewer System Cleaning and Maintenance.*

- Last month reported an error in footage cleaned as 0 feet. The correct totals are, In July 2025 there was 4,437 Lineal feet and in August 2025, there was 100 Lineal feet of pipe cleaned. The total amount cleaned for the calendar year 2025 is 8,374 ft. The total cleaned for the calendar year 2024 is 19,207 feet.

### **Wastewater Treatment Plant Status:**

The WWTP met all the effluent quality discharge requirements for the month of August 2025.

**Table 1. Monthly Status of required reporting constituents.**

Constituent	Monthly Results	Monthly Limits
Monthly Influent Flow	9.577 MG 0.315 MGD daily avg	0.48 mgd <sup>1</sup>
Effluent BOD, mg/L	19 mg/L	30 mg/l
Effluent Settleable Matter, mL/L	< 0.1 mL/L	0.5 ml/l
Effluent TSS, mg/L	8.2 mg/L	30 mg/l
Total Coliform, MPN	< 1.8 MPN	23 MPN
Sludge Wasted	46,349 gallons	
Rain	0.00 in.	24.15 in. YTD –27.52” Last YTD

<sup>1</sup> The 0.48 MGD is daily dry weather flow (May through October).

*Plant Compliance Issues:* The monthly July 2025 report was electronically submitted to the Regional Water Quality Control Board.

#### *Operational Strategy Modifications:*

- The rag bin was hauled on August 20, 2025.
- We continued normal sludge wasting in August with 46K gallons dewatered.

- The Aerator has been shipped back to the manufacturer to receive a new power section.
- The second Chlorine tank has been installed and piping connected in the chlorine building. The chlorine line was clogged causing some restrictions in the line. Upon clearing the line, we discovered that the pumps were still running hotter than the old pumps (136° vs 82°). We are talking with the field representative and waiting for correspondence back from the manufacturer.

*Wastewater RFP updates* – In August the City has been working with Schneider to come to terms on a contract for the new treatment plant. The contract is expected to be brought to council on the second meeting of September.

## **Effluent Disposal**

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- Bowers and irrigation resumed for the irrigation season on May 27, 2025. Ione has started receiving ARSA water on June 6, 2025, for the disposal season. On August 26, 2025, Ione stopped receiving water from ARSA. As of August 31, 2025, Ione has received approximately 250 acre-feet of ARSA water.
- *Henderson Underdrain* – The underdrain project commenced on August 18, 2025. A rip-rap wall was installed in front of the valve vault to keep the sludge away from the work area. The initial camera inspection of the underdrain pipe was completed on August 26, 2025. The initial investigation revealed that the underdrain pipe is deteriorating and is believed to be encased in concrete the entire length of the pipe. The contractor has proposed to change the new pipe installation method to cure in place pipe vs slip lining. This will save the project time as CIPP is much faster to install. Design drawings of the proposed change are being developed and will be submitted to DSOD upon completion along with the initial camera inspection.







- On September 2, 2025, The waterman valve tech arrived onsite to inspect the valve. The technician indicated that the valve looked in great condition and just needs to be filed adjusted. A spare gasket was purchased to install prior to field adjustment. The majority of the problem with the valve lies in the alignment of the elongated valve stem. When the pier is reinforced the valve stem will be plumed up to help the valve travel. See pictures of the existing pier hardware below (note that this will be changed out when we retrofit the pier)



- The manufacturer of the flow meter for Bowers has proposed a shorter spool length with a restocking cost of 2K. City staff reviewed using the existing flow meter at the Preston

- Forebay but due to the size of the existing pipe the flow meter would not be feasible in that section of the pipe. The City has elected to pay the restocking fee and once an RMA has been received the existing flow meter will be returned to the manufacturer.
- The joint water balance was submitted on August 8, 2025. The technical memo concludes that both the City of Ione WWTF and the Combined System indicated there will be excess effluent volume from both system's respective water balance calculations.
  - Ongoing maintenance of the cattle water troughs along the pipeline are occurring during the underdrain project. Irrigation sprinklers and valves were being repaired constantly (only at Bowers irrigation).
  - Weed and rodent abatement at the three reservoirs.
  - Send weekly updates to the Regional Board on reservoir levels and volumes.
  - Daily flow checks and level readings.

### **Streets and City Right of Way.**

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- The City has sent drawings and cost estimates to AWA for the additional work (approved by the council) to replace the storm drain line, install 2 new DI's and pave the other half of Broadway. AWA will work with the contractor and the City to get this newly approved work completed. The City has issued an encroachment permit for the work and expects the work to be completed by the end of October. Per the grant, all work must be completed by the end of the calendar year.
- The City has received bids to fix the gutter on David drive and is waiting for the contractor to find time in the schedule to begin this repair. We hope to have this repair done before the rainy season.
- August 28, 2025 – City Staff removed a tree limb on Sutter Hills Rd that was blocking the stop sign.
- On August 12, 2025 – City Staff patched a section of asphalt in front of 67 Woodworth Street that had become broken up by the water meter.
- On September 4, 2025 – City employees ground down a concrete tripping hazard that was caused by our previous grinding that left an unintentional lip on the concrete.



- In August, City crews cleared the triangle on Sutter Ione Rd and Spanish Street





## **Parks and Buildings**

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- The CalFire crews have had a few days of availability to help with fuel mitigation in Sutter Creek in August. We took advantage of the road closure on Old Hwy 49 and had crews clear both sides of the road along with some of the “Big ditch” along Lorinda Dr. for a few days. The crew also got out to ARSA to do some brush work at Preston. Crews were scheduled to perform cleaning on Bryson but were called away to fight fires in the area. We will most likely not see the crews again until after the fire season. We are grateful to all the assistance they provide and made some real headway this year.



- Bryson Bathroom – WGA has finalized the plans for the new bathroom and has sent them to the City to review. After the City review, the work will be sent out for bid.