

Stanislaus County Department of Public Works 2024 Annual Report



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Mission: Manage and improve infrastructure through safe and efficient use of resources and assets for the benefit of our Community.

Vision: Building Community through efficient stewardship of infrastructure and environment.

Leadership:

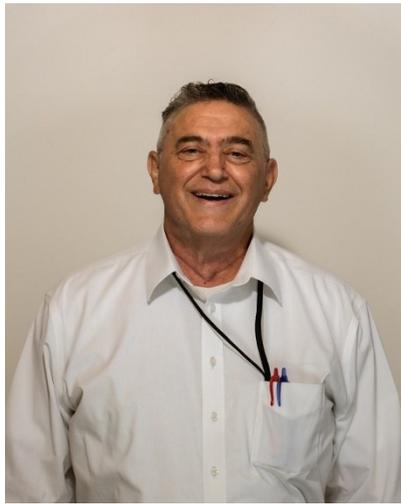
David A. Leamon

Director



Frederic Clark

Deputy Director,
Operations



Sambath (Sam) Chrun

Deputy Director,
Engineering



Andrew Malizia

Deputy Director,
Development Services,
Traffic and Special
Projects



Tracie Madison

Assistant Director of
Operations



Janelle Kostlivy

Senior Business
Manager



Leadership continued...

Congratulations Tracie Madison! Promoted to Assistant Director of Operations as of April 2024: Tracie has been with Public Works (PW) for five years and has transformed our Finance and business operations into a well-run, high-functioning team. Before coming to Stanislaus County, Tracie was at the City of Manteca as the Deputy Finance Director for 13 years. Prior to that, she was at the City of Modesto for three years as an Analyst. Tracie looks forward to working with the Roads and Shop team in her new role.

Congratulations Bill Martins! Promoted to Roads Superintendent as of April 2024: Bill has over 23 years of experience in the PW field, 20 years of that being with the County of Stanislaus. Bill started as a Roads Maintenance Worker and has worked his way up to Roads Supervisor. He has extensive knowledge in all aspects and tasks of the Roads Division, as well as building positive relationships with community members. Bill will be instrumental in building a team environment.

Welcome Janelle Kostlivy! New Senior Business Manager as of July 2024: Janelle has over 19 years of relevant professional experience including her most recent roles as Business Manager and Agency Fiscal Officer at Tuolumne County Public Works. Janelle brings extensive experience managing multiple budgets and navigating funding sources at a County-level, including departmental budgets that consist of general fund, enterprise funds, road funds, State and Federal funds (capital projects and FEMA). We are confident that Janelle will continue her commitment to excellence in public service as she begins work in this new role.

Tate Hoffman
Morgan Shop Manager



Bill Martins
Roads Superintendent



Leadership continued...

Farewell to Frederic Clark, Deputy Director ~ Operations Retired March 2024

Frederic joined Stanislaus County Public Works as Deputy Director of Development Services and Traffic Engineering in 2017, where he supported staff in facilitating the needs of private development in achieving economic growth in Stanislaus County. Frederic greatly enjoyed land development and working the public interface of Public Works. He enjoyed the unique opportunity to help the private sector achieve their dreams, from the individual project to how that project helps Stanislaus County remain viable and grow.

Frederic played a key role in offering oversight and guidance in many projects including the yearly Chip Seal Program, Fee Schedule and many other Road-related projects as well as Development projects.

In April 1, 2023, Frederic rotated roles of Deputy Director to oversee Operations.

His extensive knowledge, experience and ability to remain calm under pressure made him the respected and cherished leader to the Team and Department. He promoted involvement in teamwork, supportiveness and highly appreciated the camaraderie that was built through collaborative efforts. As Frederic loved to say: "We have no trench mentality here, something that is essential to creating the right environment that we all like to work in. Together, we cultivate a supportive learning experience." We will strive to continue with this mission.

Thank you for all that you have contributed to Public Works and this Community Frederic. We'll miss you greatly, but wish you all the best in your Retirement!!



Letter from the Director

As we close out 2024, I am proud to reflect on a year of remarkable progress, resilience, and collaboration within the Stanislaus County Department of Public Works. Our mission — to manage and improve infrastructure through the safe and efficient use of resources and assets for the benefit of our community — has guided every project, decision, and partnership we've undertaken.

This year, we celebrated significant milestones and faced challenges with determination. The successful implementation of the American Rescue Plan Act (ARPA) funding stands out as a transformative achievement. With \$107 million allocated to Stanislaus County, our department was entrusted with overseeing \$55.8 million dedicated to Community Infrastructure in Urban Pockets and County Communities. Through extensive public outreach and strategic planning, we ensured equitable distribution across all five districts, funding critical projects that will enhance quality of life and prepare neighborhoods for future annexation.

From pedestrian improvements in Valley Home and Hickman to major infrastructure upgrades in Riverdale Park Tract, Colorado-Rouse, and Parklawn, our teams have laid the groundwork for safer, more connected communities. These projects are now in the design engineering phase and will be advertised for construction in 2025.

We also marked the completion of long-awaited projects, including the Crows Landing Road Bridge over the San Joaquin River — a 23-year endeavor that now provides safer, more efficient travel for thousands of residents and commercial vehicles daily. Emergency repairs to the Crabtree Road Bridge and slope stabilization on Del Puerto Canyon Road further demonstrate our commitment to public safety and infrastructure resilience.

Internally, we welcomed new leadership and celebrated the promotions of dedicated staff. Congratulations to Tracie Madison, Bill Martins, and Janelle Kostlivy on their new roles. We also bid a heartfelt farewell to Frederic Clark, whose retirement marks the end of a distinguished career filled with impactful contributions and unwavering leadership.

Our Roads Division achieved outstanding results, chip sealing over 110 miles of County-maintained roads and repairing nearly 10,000 potholes. The Morgan Shop continued to modernize our fleet, acquiring equipment that aligns with California's clean air mandates and enhances operational efficiency.

We also mourned the loss of two beloved colleagues, Collin Yerzy and Deborah Hawkins. Their dedication and spirit remain deeply embedded in our department's culture, and we honor their memory through our continued commitment to excellence.

As we look ahead, we remain focused on building community through efficient stewardship of infrastructure and the environment. I am grateful to our entire Public Works team for their tireless efforts and to our partners and residents for their trust and collaboration. Together, we are advancing the quality of life for all in Stanislaus County.

I would like to thank the Board of Supervisors for their support for Enhancing Community Infrastructure and the leadership and guidance from the Chief Executive Office. Without your support our Department would not be able to accomplish what we do to serve the citizens of Stanislaus County.

Sincerely,

A handwritten signature in blue ink, appearing to read "David A. Leamon".

David A. Leamon, PE, MPA
Director and Road Commissioner
Stanislaus County Public Works

American Rescue Plan Act (ARPA)

Introduction

How ARPA came to be?

On March 4, 2020, the Governor issued a Proclamation of the State of Emergency in the State of California related to the 2019 Novel Coronavirus (COVID-19) pandemic.

On March 17, 2020, the Board of Supervisors adopted a resolution ratifying the declaration of a local health emergency and issued a Proclamation of a Local Emergency related to COVID-19. In time of declared emergencies, the Local Health Emergency enables the County to more effectively respond to the outbreak, potentially obtain reimbursement for the response, and ensure the County's public health professionals have the necessary tools at their disposal aimed at keeping the community safe.

The State and Local Coronavirus Fiscal Recovery Funds legislation, part of the American Rescue Plan Act (ARPA), was signed into law by President Biden on March 11, 2021. The bill includes \$65.1 billion in direct, flexible aid to every county in America. An additional \$65.1 billion has been allocated to States, metropolitan cities, and non-entitlement units of local government.

Stanislaus County and ARPA

Stanislaus County has been allocated \$107 million through ARPA. Funds must be obligated by December 31, 2024, and all funds must be utilized by December 31, 2026.

Between 2021 and 2023, the Board of Supervisors considered various strategic priorities for allocating the \$107 million. Of this amount, \$55.8 million was assigned to Community Infrastructure – Urban Pockets/County Communities to address infrastructure needs within unincorporated developed neighborhoods of the County.

The ARPA funds provide a unique opportunity for Stanislaus County to begin making a “dent” strategically on the infrastructure needs in its urban pockets and county communities. To ensure the one-time \$55.8 million investment is strategically and equitably invested in the community, a county-wide public outreach process occurred. The strategy was to focus on receiving community input on prioritization and educating the public on the criteria utilized.

Community Outreach

On February 15, 2022, the Board of Supervisors approved a contract with NBS (CivicMic), who contracted with Debrief, a local consultant, to perform the Public Outreach. The outreach efforts were performed in English and Spanish and included mailers/flyers in different mediums – digitally, paper, and telephonic, webpage development, door-to-door efforts, in-person and video conference community meetings, surveys, and digital advertisements.

The outreach efforts were extensive and were intended to reach as many portions of the unincorporated urban pockets and communities as possible. A report, Findings and Recommendations Report, was produced by NBS with a complete overview of all outreach efforts identified.

County Public Work's staff overseeing the projects: David Leamon, Andrew Malizia, and Danny Mauricio. Consultant Project Manager Chris Brady.

Funding Distribution per District

On August 16, 2022, the Board of Supervisors approved a funding methodology for the investment of \$50 million in ARPA funds based on equitable distribution based on the estimated total project costs.

Equitable Distribution of ARPA Funds Based on Estimated Total Project Costs			
District	Estimated Total Project Cost	% of Total Cost	Funding Based on % of Total Cost
1	\$79,513,468	11%	\$5,622,443
2	\$66,707,012	9%	\$4,716,891
3	\$149,785,749	21%	\$10,591,437
4	\$172,520,849	24%	\$12,199,049
5	\$238,580,704	34%	\$16,870,179
Total	\$707,107,782	100%	\$50,000,000

On March 28, 2023, the Board of Supervisors approved updated strategies for the use of the ARPA funds. The updated strategies increased the funding strategy for Community Infrastructure from \$50 million to \$55.8 million. On February 27, 2024, the Board of Supervisors approved the recommendation of dividing the \$5.8 million equally among the (5) five districts.

Distribution of ARPA Funds per District			
District	\$50 Million Distribution	\$5.8 Million Distribution	Total per District
1	\$5,622,443	\$1,160,000	\$6,782,443
2	\$4,716,891	\$1,160,000	\$5,876,891
3	\$10,591,437	\$1,160,000	\$11,751,437
4	\$12,199,049	\$1,160,000	\$13,359,049
5	\$16,870,179	\$1,160,000	\$18,030,179
Total	\$50,000,000	\$5,800,000	\$55,800,000

Project List

On September 20, 2022, the Board of Supervisors accepted the recommendations on infrastructure projects to be funded in County Islands and County Communities.

District	Community
1	Topeka-Santa Fe
2	Kenwood-Starr
3	Riverdale Park Tract
4	Colorado-Rouse
4	Herndon
5	Bret Harte
5	Parklawn

On November 12, 2024, the Board of Supervisors authorized the Chief Executive Officer to sign and execute the Memorandum of Understanding (MOU) with Stanislaus County Public Works for the execution of the Community Infrastructure in County Island Communities. In the MOU, three new projects were identified to invest ARPA funds.

District	Projects
1	Couchman Pedestrian Improvement Project
1	Valley Home Pedestrian Improvement Project
2	Hickman Pedestrian Improvement Project

Project Funding

The funds will be used for Design Engineering (including staff time, right-of-way acquisition, and public outreach) and Construction (including Construction Management) of the projects. The ARPA funds are being used to leverage additional funds to close any funding gaps that may exist.

District	Projects	ARPA Funds Invested
1	Urban Pocket Area 41 - Topeka-Santa Fe Project	\$5,622,443
1	Couchman Ped Improvement Project	\$580,000
1	Valley Home Ped Improvement Project	\$580,000
2	Urban Pocket Area 31 - Kenwood-Starr Project	\$4,716,891
2	Hickman Ped Improvement Project	\$1,160,000
3	Urban Pocket Area 44 - Riverdale Park Tract Project	\$11,751,437
4	Urban Pocket Area 9 - Colorado-Rouse Project	\$10,000,000
4	Urban Pocket Area 40 – Herndon Project	\$3,359,049
5	Urban Pocket Area 10 - Bret Harte Project	\$10,000,000
5	Urban Pocket Area 24 – Parklawn Project	\$8,030,179
Total		\$55,800,000

Project Outcomes

Some of the proposed improvements include curbs, gutters, sidewalk, road widening, storm drainage, sanitary sewer, potable water, and streetlighting. There are two goals with the investment of the ARPA funds in these communities – increase the quality of life of the residents and annexation readiness. The quality of life of the residents increases through the reduction of localized flooding, providing pedestrian improvements, increase in safety through the addition of streetlights, accessibility to potable water, and accessibility to a centralized sanitary sewer system.

Project Status

The ARPA projects are in the Design Engineering phase and are expected to be advertised in 2025 for construction.

Existing Street Section



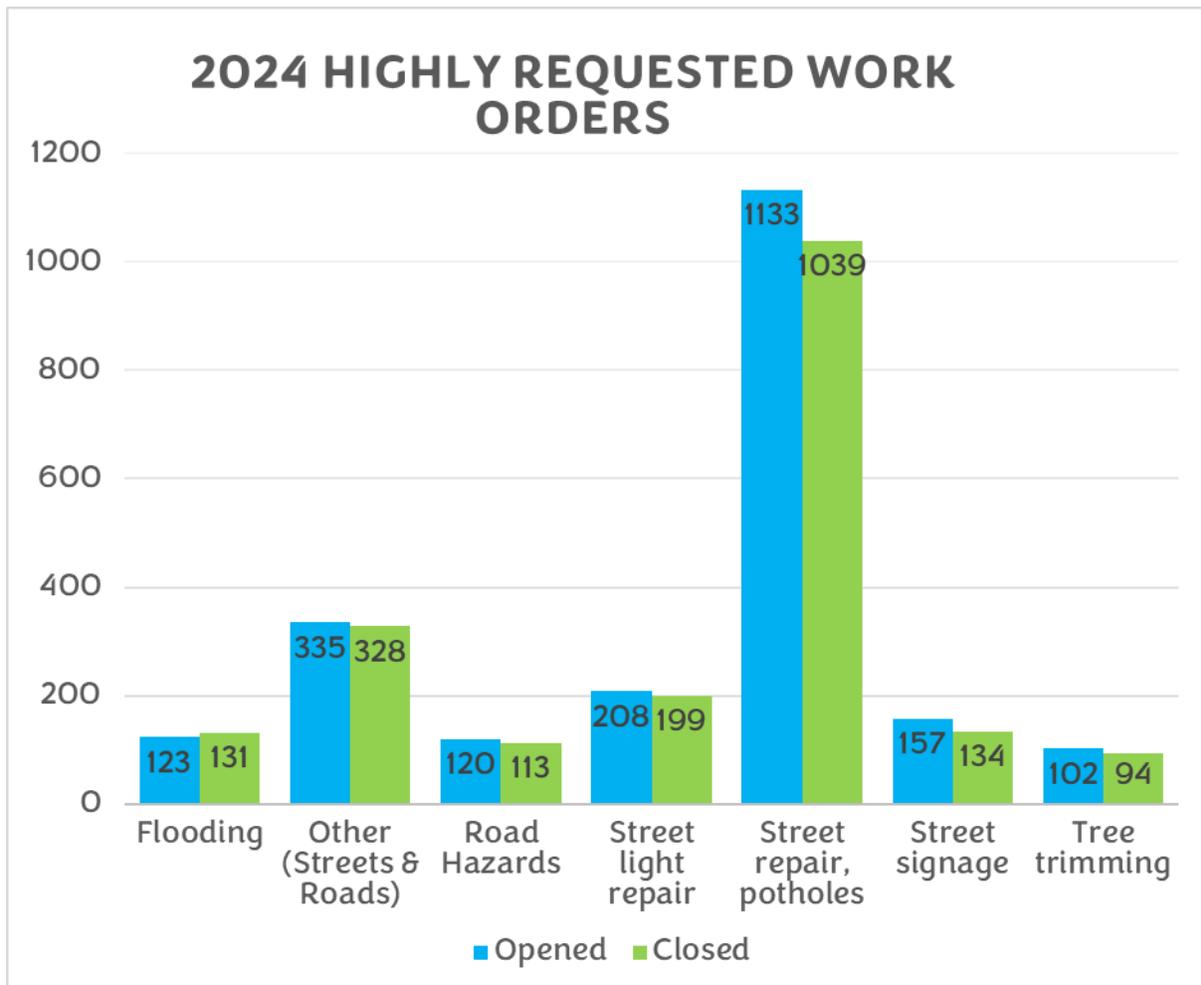
Proposed Street Section



Administration

The past year has truly been one of the most challenging years for the Department of Public Works, not only trying to cope with the loss of our beloved colleagues Collin Yerzy and Deborah Hawkins, which played an essential role in the Department, but also due to other unforeseen circumstances. While no one could ever replace our sweet Deborah, we are blessed to close out 2024 with an amazing supportive Admin team by on-boarding two new Administrative Clerk III's and one Administrative Secretary. Each individual brings in years of knowledge and skills that are vital to their success in their new roles. All of these new staff members provide support in various areas that keep the Department running smoothly, in addition to assisting customers in person and by phone, all while striving to provide Stanislaus County residents with great customer service.

Below you can see seven of our most highly requested work orders that staff assist constituents with.

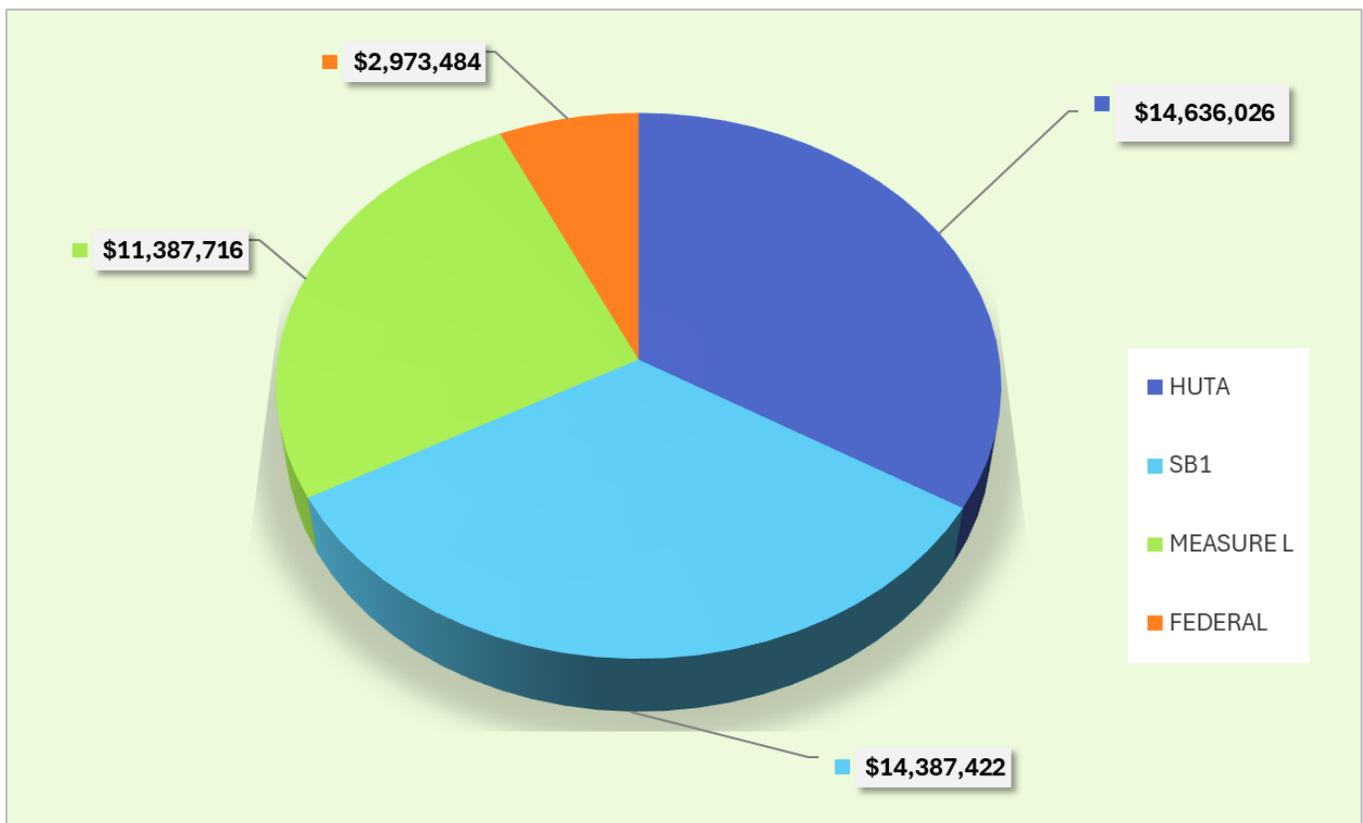


Finance

In addition to the many financial tasks the Finance division oversees, they also assist individual staff with project management to stay within their allotted budgets. One of those projects is the highlighted much-anticipated American Rescue Plan Act (ARPA) funding to Community Infrastructure in County Island Communities. The information provided to both the Project Manager and Chief Executive Office (CEO) allows for collaboration and full transparency when providing updates to the Board of Supervisors (BOS) and Community members who are directly impacted.

In the past, Stanislaus County has utilized a variety of fund sources (Redevelopment, Community Development Block Grant, Highway User Tax, Federal/State Grants) to slowly advance work in these areas. The ARPA funds provide a unique opportunity for Stanislaus County to make substantial progress strategically on the infrastructure needs in its urban pockets and County communities. The PW Finance staff remain committed to ensure all expenditures are accounted for and funds are utilized as they were allocated and approved.

Stanislaus County Public Works Department Revenues



Human Resources

The Human Resources (HR) staff handle a wide range of responsibilities related to managing our Public Works' workforce. Their primary goal is to support both employees and the organization's overall success. Among these responsibilities is *Recruitment and Hiring*. During the 2024 calendar year, the Department was able to recruit **28 New Hires**, surpassing the previous year. We also had a total of **24 Promotions!** Several of those were in our Roads Division, which creates growth opportunities and longer retention of employees.

Another key area HR staff oversee is *Compliance and Legal Issues*. HR ensures the Department follows labor laws, workplace safety regulations, and company policies. An example of this was when the CEO's HR office performed an audit for all County Departments relating to the I-9 compliance requirement at the State and Federal level. Keli Silva took lead in gathering all required documents from Public Works' employees to complete the audit in a timely manner. Great job Keli! HR staff also assist with *Performance Management* coordination by ensuring evaluations are completed within the required time frame. They then complete the final tasks of submitting said evaluations and making any payroll changes as needed. This also ties in to *Record Keeping and Administration* as HR maintains personnel files, attendance records, and confidential employee information.

We appreciate everything our HR staff do on a daily basis, and acknowledge their hard work and know there are numerous tasks that may go unnoticed, but are essential for Operations. HR staff serve as a bridge between management and employees, ensuring that the Department runs smoothly, legally, and fairly while supporting well-being and productivity. Thank you for all that you do!



Roads and Bridges - Construction

Crabtree Road Bridge over Dry Creek — Emergency Repair Project

During a California Department of Transportation (Caltrans) routine biennial bridge inspection in late 2023, Caltrans discovered several timber stringers (17 of the 95) have failed throughout the Crabtree Bridge that crosses Dry Creek. As a result of the failed stringers, Caltrans performed a supplemental bridge capacity analysis and determined the bridge needs to be further load restricted. The bridge was temporarily posted for a maximum of (5) five-tons gross load. However, after further internal discussions, Public Works decided to temporarily close the bridge utilizing K-rails at both ends of the bridge. This decision was made as truck drivers carrying over five-tons gross load were ignoring the posted load limits and driving across the bridge.

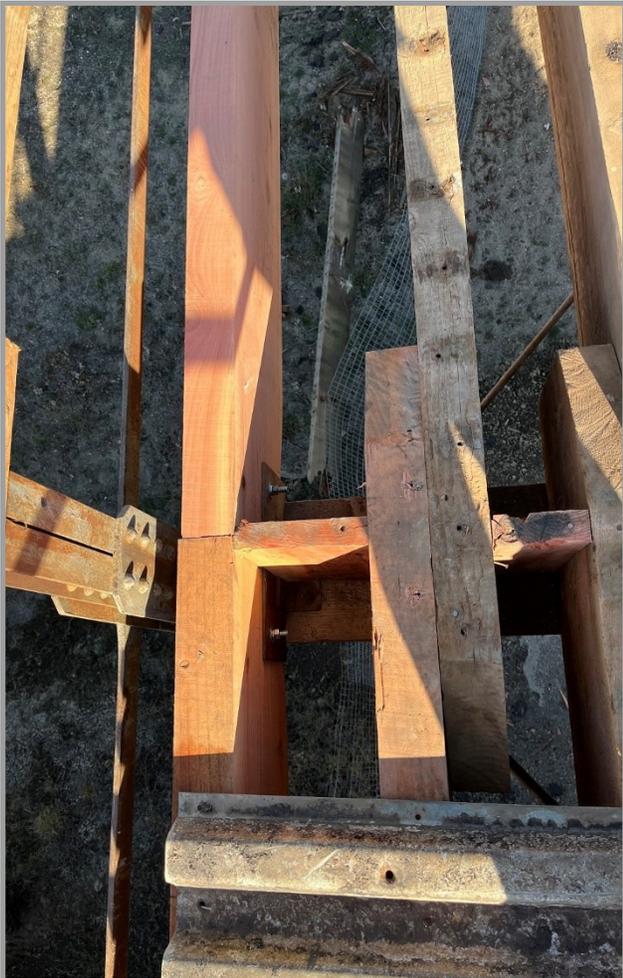
Public Works declared a local emergency to mobilize a contractor, expedited the repairs to the bridge, and re-opened the bridge in a minimal amount of time.

The project was funded by Measure L funds.

Before



After



Kiernan Court Pavement Rehabilitation Project

In 2024 the Department of Public Works improved the quality of pavement on Kiernan Court within the Community of Salida in Stanislaus County. The purpose of the Kiernan Court Pavement Rehabilitation Project was to rehabilitate the pavement by grinding down four inches of asphalt and replacing it with new fiber reinforced asphalt. The project also included installing wet-night thermoplastic pavement striping.

The construction contract was awarded to Dirt Dynasty for the amount of \$558,000 and was funded by Senate Bill 1 (SB1) funds.



Pelletized Project

The goal of the Pelletized project was to assess if technology could be used in remote areas or for smaller tonnage paving projects that use asphalt rubber where there are logistical challenges associated with the mobilization of field-blended asphalt-rubber. These technologies can be used in dense graded mixtures which may open a new asphalt market for recycled tire rubber where rubber is not currently used. A long-term evaluation of the test sections will be made. This will be documented and transparently shared to interested parties.

The test sections were placed on Keyes Road, between Pioneer Road and Walnut Road. The County funded additional paving beyond the test sections to extend the road overlay limits on East Keyes Road from State Route 99 to Geer Road.

Under this agreement, California State Department of Resources Recycling and Recovery (CalRecycle) funded the preparation of project plans, specifications, and estimate for this project through separate agreements with engineering firms. In addition, CalRecycle's contractors performed pre-overlay base repair assessments, and will aid in the inspection and post project performance assessment.

This Pelletized Paving Project was awarded to United Pavement Maintenance out of Hughson, California in the contract amount of \$1,951,000 and was funded by CalRecycle and Measure L Local Streets and Roads Fund.







Urban Pavement Preservation Project (Phase G)

This Public Works project consisted of various pavement preservation treatments on roughly 25 miles of roadway within the communities of West Modesto and Keyes in Stanislaus County. The purpose of the Urban Pavement Preservation - Phase G Project was to improve surface rideability and extend the life of the roads by preserving the pavement with various treatments. The project also included localized pavement dig-outs, crack treatment, and pavement striping.

This project was awarded to VSS International of West Sacramento for the amount of \$2,982,000 and was funded by Measure L.





June 24, 2024 Crows Landing Road Bridge Ribbon Cutting



A ribbon-cutting ceremony was held on Monday, June 24, 2024, to celebrate the completion and official opening of the new Crows Landing Road Bridge over the San Joaquin River. This event marked the end of a project that had been 23 years in the making, aimed at replacing the previous structure, which was deemed both structurally deficient and functionally obsolete. The new, modern bridge is designed to improve safety and capacity, featuring wider lanes and road shoulders, and will continue to serve the roughly 8,000 vehicles, including significant truck traffic, that use this key connectivity route for Stanislaus County's Westside communities daily.



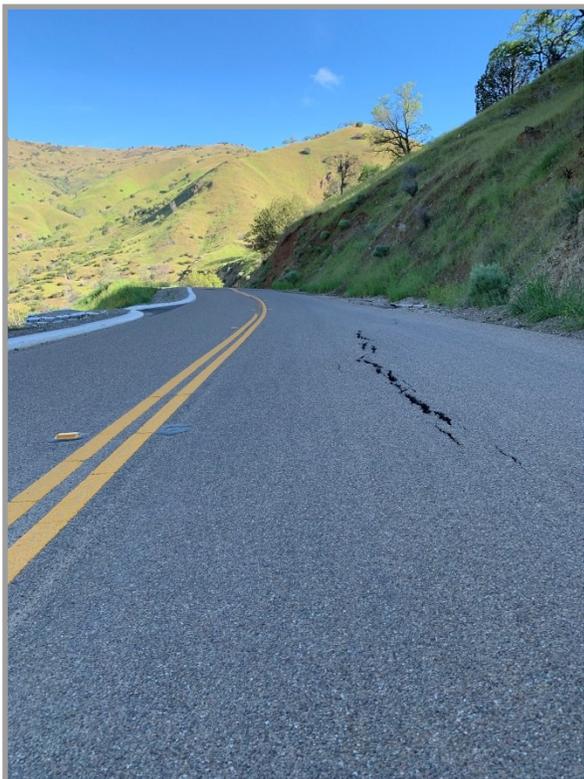
Roads and Bridges - Design

Del Puerto Canyon Road—Slope Repair Project

Del Puerto Canyon Road is a two-lane Federal Aid Route that extends from Stanislaus County to Santa Clara County, serving as an alternative route from Patterson to the San Jose area. This road is vital for residents in the Del Puerto Canyon area. Near mile marker 13 of Del Puerto Canyon Road there are transverse cracks, longitudinal cracks, and vertical settlement in the roadway that extend across both lanes of traffic.

The road damage and slope failure on Del Puerto Canyon Road at post mile (PM) 13.0 developed after the 2023 winter storms, where cracks and settlement occurred in addition to an existing culvert being pulled away from the drop inlet. Emergency temporary repairs were done to ensure the safety of the traveling public and to prevent the loss of essential public services. After evaluations in early 2024 by Stanislaus County, cracks and settlement had worsened due to movement of an existing slip plane. The County is soliciting the assistance of civil engineering design firms to develop project plans, specifications, and estimates for the construction of this slope repair project.

Funding: Federal Highway Administrations (FHWA) funding for plans and specifications \$200,000, and \$7.25 million for construction.



Denair School Safe Crossing and Active Transportation Program (ATP) Project

Project improvements include: Installing Americans with Disabilities Act (ADA) compliant sidewalks, class three and class two bike paths, two raised crosswalks, and six high-visibility crosswalks.

Class 3 bike routes are a shared route for motor vehicles and pedestrians, while Class 2 bike lanes provide a designated, striped portion of the roadway for bicycle use. A raised crosswalk physically forces drivers to slow down and makes pedestrians more visible, making it safer for everyone.

Purpose: To enhance local connectivity and improve safety for school children and other members of the public within the neighborhood.

Funding: ATP federal funding and Measure L funds.

Highway Safety Improvement Program (HSIP) Intersections Project

1	S Carpenter Road + W Fulkerth Road
2	W Harding Road + S Washington Road
3	Ladd Road + Tully Road
4	E Keyes Road + Mountain View Road
5	Roselle Avenue + Plainview Road
6	Montpelier Road + E Monte Vista Avenue
7	Vivian Road + W Whitmore Avenue
8	W Main Street + S Mitchell Road
9	Claus Road + Terminal Avenue
10	Santa Fe Avenue + Berkeley Road
11	W Grayson Road + Shiloh Road
12	W Grayson Road + Laird Street/Cox Road

Project improvements include: The HSIP Cycle 10 Intersection Improvement Project consists of upgrading and installing additional or larger stop signs, upgrading intersection pavement markings, the addition of a left turn lane at the intersection of Grayson and Cox Roads, and installing transverse rumble strips. The project will improve 12 unsignalized intersections in various locations throughout Stanislaus County (listed below).

Purpose: To enhance safety for motorists and other members of the public within the project(s) vicinity.

Funding: This project is state-funded for the Project Approval and Environmental Document Phase (PA&ED), but federalized for the construction phase. This is a Safety project and the grant funding reimbursement rate is at 90%, local funds will cover the 10% match. The amount of federal funds for construction is \$2,188,906.

Highway Safety Improvement Program (HSIP) Rumble Strip Project

Project improvements include: The HSIP Cycle 10 Corridor Delineation and Rumble Strip Improvement Project includes 84 miles of roadway segments throughout Stanislaus County. The work to be accomplished includes repairing the pavement edges in preparation for the installation of wet-night edge lines and rumble strips.

Purpose: To enhance safety for motorists and other members of the public within the project(s) vicinity.

Funding: The project is state-funded for the Project Approval and Environmental Document Phase (PA&ED), but federalized for the construction phase. This is a Safety project and the grant funding reimbursement rate is at 100% with toll credits being used in lieu of local match funds. The amount of federal funds for construction is \$8,182,700.

1	Beckwith Rd from Gates Rd to Finey Rd
2	Central Ave from the County Line to E Keyes Rd
3	Claribel Rd from Riverbank City Limit and Oakdale Waterford Hwy
4	Claus Rd from Modesto City Limit to Riverbank City Limit
5	Grayson Rd from River Rd to Crows Landing Rd
6	Keyes Rd from Jenning Rd to Crows Landing Rd
7	Monte Vista Ave from Montpelier Rd to Santa Fe Ave
8	East Ave from Vincent Rd to County Rd
9	Eastin Rd from Orestimba Rd to Highway 33
10	Howard Rd at curve parallel to I-5 to Frank Cox Rd
11	La Grange Rd from Old La Grange Rd to County Limit
12	Lake Rd from Denton Rd to Hickman Rd
13	Lake Rd from 1.5 to 2 miles south of Yosemite Blvd
14	Marshall Rd from Tulip Rd to Crows Landing Rd
15	Milton Rd from Sonora Rd to Edge of the County
16	North Dakota Ave from Woodland Ave to Beckwith Rd
17	Paradise Rd from California Ave to Michigan Ave
18	River Rd from Crows Landing Rd to Hills Ferry Rd

Keyes Road over Turlock Irrigation District (TID) Main Canal Bridge Replacement Project

Purpose: To enhance safety for motorists, minimize vehicular accidents, and increase the bridge load capacity. The Stanislaus County Board of Supervisors approved permanent weight restrictions on July 11, 2023.

Funding: This project will be funded with Measure L (Traffic Management) and Road Maintenance Rehabilitation Account (RMRA) funds, and has been approved by Caltrans to be included in the Bridge Investment Credit (BIC) program. The BIC program allows local agencies to replace, rehabilitate, and perform preventative maintenance work on Highway Bridge Program (HBP)-eligible bridges using local funds, then receive credit for up to 100% of the eligible work. The credit, in turn, will serve as the required non-federal match for future local federal-aid bridge projects until all credits have been expended. This project has been approved to receive federal HBP funding credits for up to \$2,905,000.





Robertson Road Elementary Safe Crossing and Active Transportation Program Project

Project improvements include: Installing ADA compliant sidewalks, high-visibility crosswalks, and ADA ramps along Robertson Road from Carpenter Road east to Hays Street.

Purpose: To enhance local connectivity and improve safety for school children and other members of the public within the neighborhood.

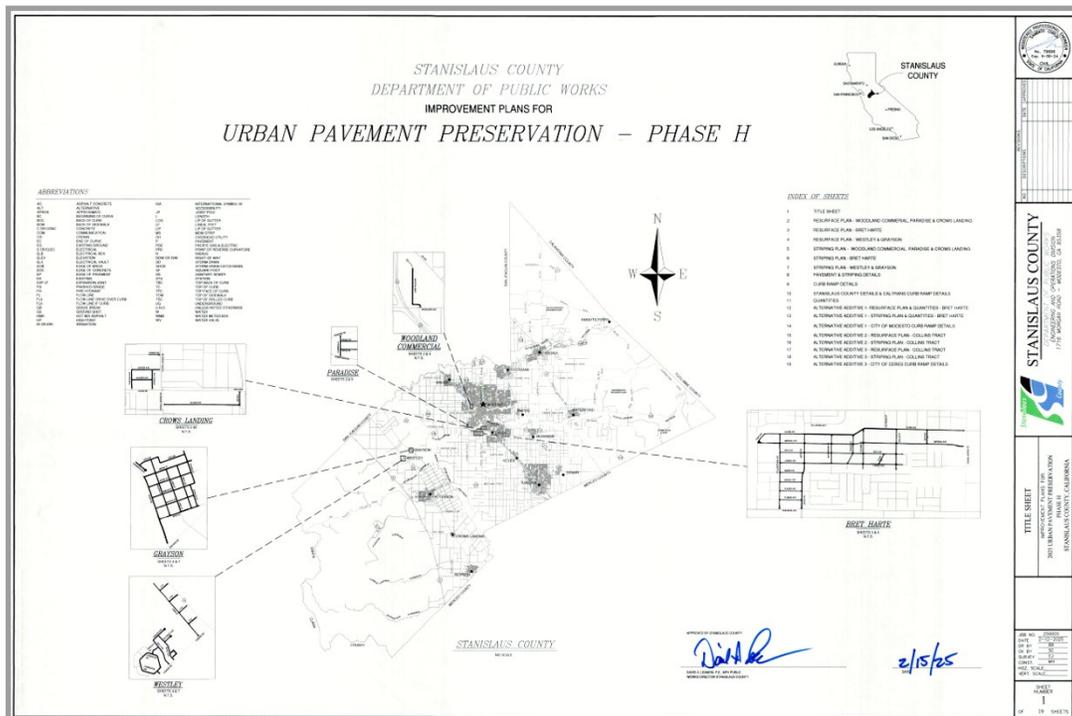
Funding: This project is funded by ATP federal funding and Measure L funds.

Urban Pavement Preservation — Phase H

Project improvements include: Applying various pavement preservation treatments on roughly 12 miles of roadway within the communities of West Modesto, Grayson, and Westley in Stanislaus County. The project also includes localized pavement dig-outs, crack treatment, pavement striping, and ADA curb-ramp improvements.

Purpose: To improve surface rideability and extend the life of the roads by preserving the pavement with various treatments.

Funding: This project is funded with Measure L - Local Streets and Roads funds as well as grant funds from CalRecycle for use of recycled tire derived aggregate in the pavement materials.

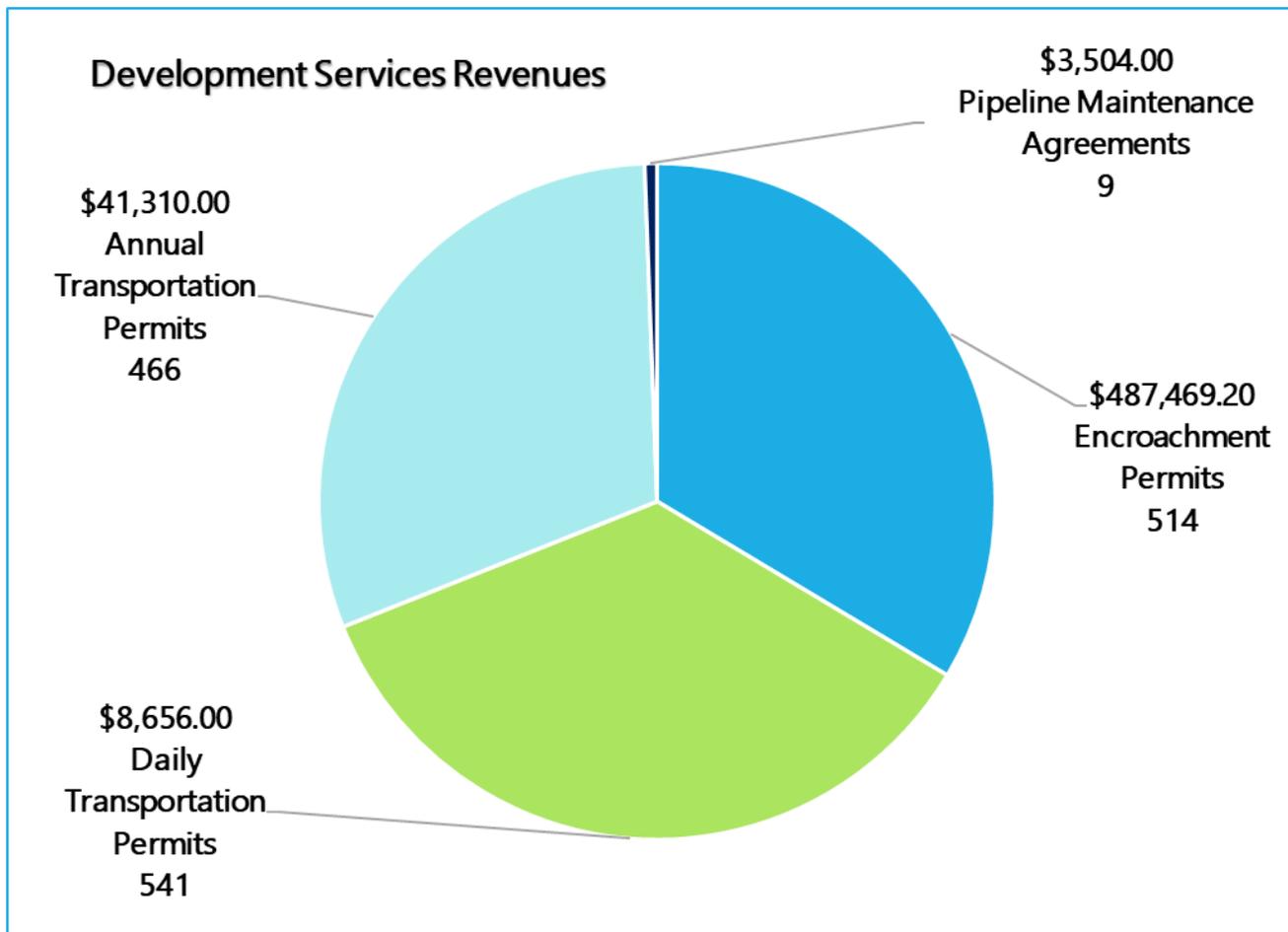


Development Services

The Development Services division serves as the County's front-line partner for development and infrastructure review in the unincorporated county. Staff review new project plans to ensure they meet County infrastructure standards (roads, drainage, utilities), that environmental and stormwater obligations are addressed, and that growth is advanced in a manner consistent with the County's broader policy goals. They provide plan-review, permitting support, field verification, and coordination with other County Departments reviewing new project applications.

When reviewing new projects several factors are taken into consideration, including: meeting long-term standards and reducing future maintenance burdens, protecting natural resources and agricultural land while accommodating growth and minimizing environmental footprint. Some key elements to achieve this require: stormwater management and drainage standards, groundwater sustainability and land-use coordination, and managing the establishment of service districts (landscape, lighting, storm drains) that are associated with new development.

All of these important steps ensure that new development doesn't exacerbate groundwater depletion, stormwater runoff pollution, infrastructure strain, or loss of agricultural/prime soils. This also contributes to making unincorporated areas more resilient to future climate impacts such as flooding, or drought. This important work also helps the County stay aligned with state mandates to reduce pollutants and protect water quality while supporting equitable growth.



Morgan Shop

The Public Works Morgan Shop had another busy year not only servicing the Department's vehicles and equipment, as well as collaborating with our Roads crews in projects such as Chip Seal, they also procured new equipment that will contribute to the Department providing quality and efficient work and benefit County residents. This includes the following:

Purchased (5) five Ford Lightning pickups: this helps us meet the California Air Resources Board (CARB) mandate to reduce air pollution and greenhouse gas emissions, primarily by phasing out internal combustion engines in favor of cleaner alternatives. Other mandates affect heavy-duty vehicles and require specific engine standards for certain fleets. For example, the Advanced Clean Fleets (ACF) regulation requires certain large fleets (including state and local government fleets) to phase in medium- and heavy-duty zero-emission vehicles through 2042.



Purchased (1) one new Power Broom: this will be mainly used during CHIP season and also to support shoulder maintenance and road cleaning during storm events.



Purchased (1) one new Emulsion Tank Trailer: this will support the one-man patch truck.



Purchased (1) one new Electrical Bucket Truck: this will support all electrical maintenance in the County.



Purchased (1) one new Dump Trailer: this will support the Alley Clean-Up Crew.



Purchased (1) one new Backhoe: this will support the Bridge Crew maintenance.



All purchases are strategically planned and based on comprehensive research to ensure the most efficient and cost-effective use of Department funds. Excellent work!



Roads - Maintenance and Operations

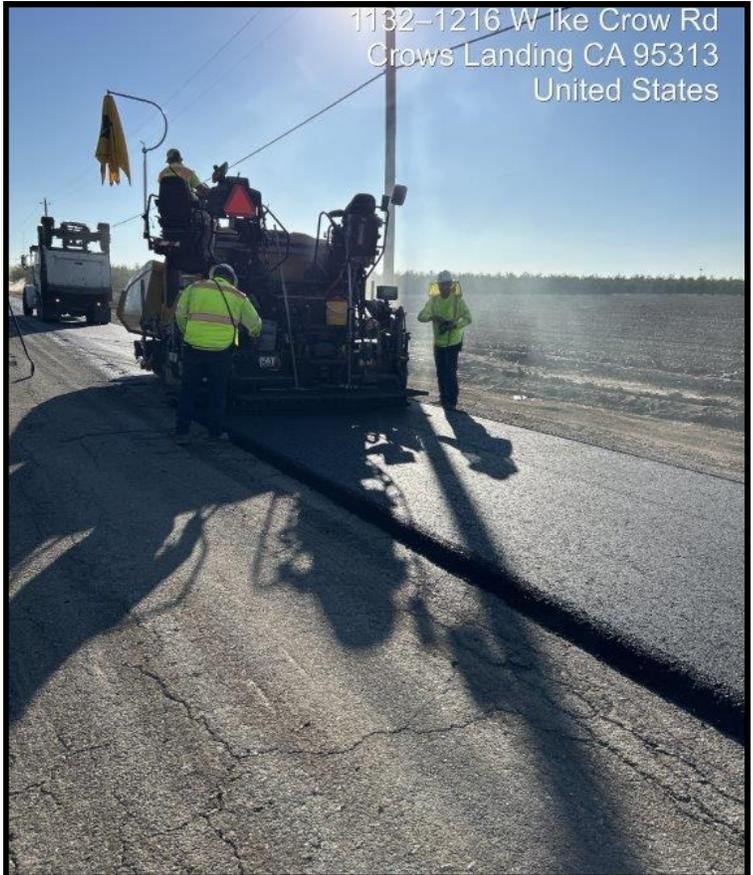
One of the major projects that PW Roads Crews carry out every year is chip sealing our County-maintained roads. It requires months of extensive planning and preparation to ensure funding and resources are utilized effectively. During the 2024 Chip Seal season, we were able to get over **110 miles** of road chipped, which required 13,000 tons of chip rock and 1,500 tons of oil! Thank you to our Roads Team, who put in long hours, many times during extremely hot summer days to complete this ongoing/much-needed maintenance project to protect and preserve our roads, on top of filling an **impressive** number of potholes this year — more than **9,930** potholes! Excellent work!

The following pages highlight some of the work done during this Chip Seal season and other projects accomplished by our Roads Crews.





2024 Chip Seal — Prep



2024 Chip Seal



Airport Shoulder Improvement Project

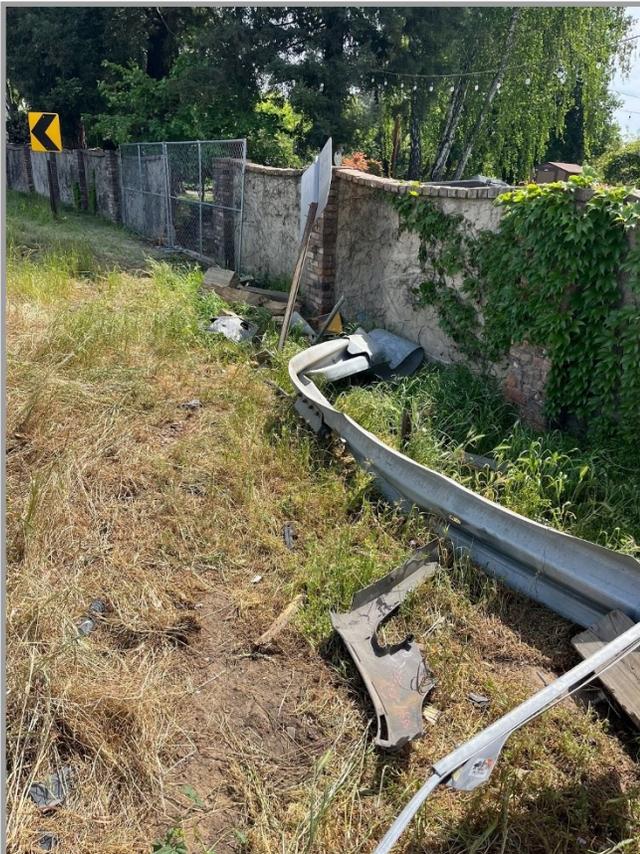


Guardrails repaired and replaced

Guardrails are protective barriers or guidelines designed to prevent people, vehicles, or systems from going beyond safe limits.

Physical Guardrails (Safety Barriers) are found along roads, bridges, and highways to protect vehicles and passengers by preventing cars from veering off dangerous areas such as cliffs, curves, or medians. They are typically made of steel, concrete, or cable systems, they absorb and redirect impact forces to minimize injury and damage to property and save lives.

Regular inspection and maintenance are crucial to ensure their effectiveness and compliance with safety standards. Thank you to our Roads Crews for always trying to improve road safety, especially for Stanislaus County residents that have to commute some of these dangerous areas daily.



Alley Clean-Up Crew





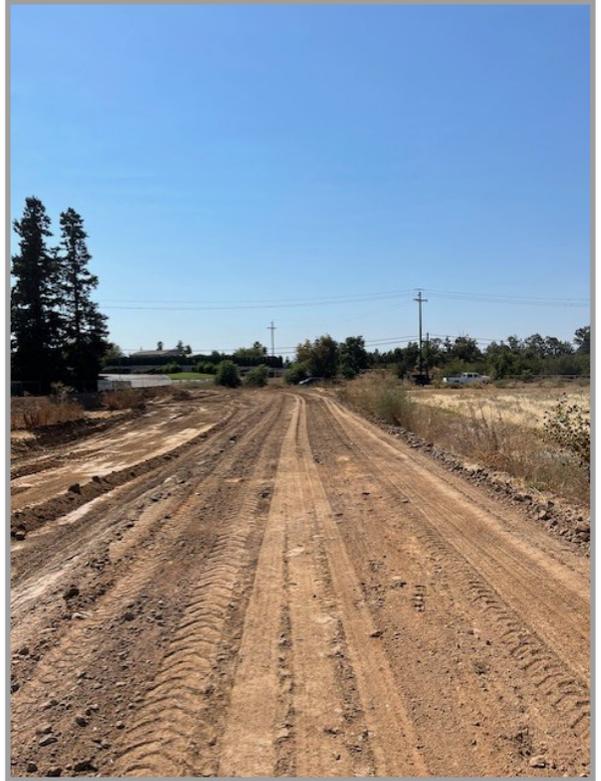


County Service Area 11 Gilbert Road (Oakdale): New Storm Basin

The previous existing basin would not drain the area properly, causing water to overflow into the roadway on Gilbert Road and onto the neighboring property's parking lot.

The new storm basin and roadway grading was built to relieve these flood-related issues. The affected parking lot (as seen below) is used by several members of the Community who attend Bible study meetings every week. Needless to say this has greatly improved driving conditions for both the roadway and parking lot, especially during the winter season.







Roadway grading improves road safety by creating a smooth, level surface, ensuring proper drainage to prevent water buildup, and eliminating hazards like potholes and ruts. A well-graded road provides better visibility, reduces vehicle damage, and is crucial for maintaining the structural integrity of the road, especially for unpaved or gravel roads.



Grading creates a crown (a slight rise in the middle) that directs water to run off the sides, preventing it from pooling on the road surface. By keeping the road dry, grading prevents water from weakening the road's structure, which can lead to soft spots and erosion.



Special thanks to our Roads staff who did an excellent job on this project!



Congratulations Jason McCormick on your 25 Years of Service!



Jason joined Stanislaus County Public Works in December of 1999 following his parent's footsteps in working for the County. Jason began his career with PW as a Road Maintenance worker, became a Senior Road Maintenance worker in 2013, and in 2019 was promoted to Roads Supervisor.

Jason has been a part of our paving program his entire career and has acquired a wealth of knowledge through his professional experience. He has also developed a deep understanding of the work we do here at Public Works through hands-on work experience. Jason oversees the Chip Seal Program and has revamped the Department's process, making quality the #1 top priority.

Jason is a father of three, and a grandfather of five. In his spare time he enjoys building classic cars with his father. We appreciate all of your years of service and hard work dedicated to improving County Roads and training the future leaders who will continue with the same mission to improve infrastructure through safe and efficient use of resources and assets for the benefit of our Community. Congratulations Jason!

Stormwater

The State Water Resources Control Board (SWRCB) has proposed updates with the intent to improve stormwater management practices. Key developments include the release of the 2024 Informal Draft Small Municipal Separate Storm Sewer System (MS4) Permit and the proposed implementation of a Water Quality Control Policy for Standardized Cost Reporting.

If adopted, the 2024 MS4 Permit will place significant demands on municipalities, requiring increased staffing and financial commitments. Permittees will be responsible for developing, maintaining, and updating a range of documents, such as ordinances, plans, procedures, and maps. The draft permit places a strong emphasis on asset management, mandating that municipalities inventory and evaluate stormwater infrastructure to ensure it is adequately maintained and fully operational. Additionally, permittees must conduct in-depth reviews of facility operation and maintenance practices to identify deficiencies and control pollutant sources.

Under the proposed changes, the responsibility for conducting Industrial General Permit (IGP) inspections will transfer from the Regional Water Quality Control Board (RWQCB) to Stanislaus County. The County will be required to perform regular inspections at industrial facilities to ensure compliance with industrial stormwater regulations. Post-construction stormwater management remains a priority, with new mandates for incorporating Low Impact Development (LID) strategies and ensuring the long-term functionality of stormwater controls in new and redevelopment projects. The permit revises the requirements to reduce trash pollution, to meet statewide reduction targets.

The Water Quality Control Policy for Standardized Cost Reporting seeks to mandate that Small MS4 permittees disclose detailed information on the expenses incurred from compliance activities. The goal of this policy is to enhance transparency and supply data that will clarify the financial impacts of meeting water quality standards. Permittees will be required to report specific cost data related to overall program management and administration, capital investments, implementation of minimum control measures, water quality monitoring, and any other miscellaneous expenses not directly tied to the aforementioned categories.

These proposed regulatory updates mark a significant shift in California's approach to stormwater management. Municipalities and local agencies must prepare to meet heightened compliance obligations, requiring strategic planning, increased investment, and cross-departmental coordination. Proactive engagement with the new permit requirements will be essential to ensure environmental protection goals are met while maintaining operational and fiscal sustainability.

Survey

In 2024, the Surveyor Team reviewed and approved:

26 Lot Line Adjustments

45 Records of Survey

4 Certificates of Compliance

4 Parcel Maps and Final Maps

185 Corner Records

We also added 383 record Road Deeds to the Geographic Information Systems (GIS) index.

County Surveyor: Chad Johnson

Assistant County Surveyor: Michael Rodriguez

Survey Technician: David Hohu



The daily tasks for the County Surveyors office varies each day, but includes customer service at the counter and by phone, record research for our constituents and archiving and indexing documents in GIS. We review maps and deeds for compliance with the Subdivision Map Act. We write and review legal descriptions for Road Deeds, Construction Easements, Annexations, title reports, property deeds and Lot Line Adjustments.

Within the Department we collaborate with Engineering, Development Services, Traffic and Roads. Within the County, we most often work with the Assessor's Office and Planning Department, but many other County Departments reach out to us with unique questions about land, easements and the roads. Our field survey crew is often busy performing topographical surveys and right-of-way boundary surveys. They also handle indexing of our road deeds, maintaining the Public Land Survey System, monitoring monument preservation and attending specialized training to develop their skillsets.

Congratulations to Michael Rodriguez for his promotion to the position of Assistant County Surveyor. It is because of Michael, and our Survey Technician David Hohu, that we are able to accomplish these numerous duties throughout the year. Thank you Survey Team for ensuring all of these important documents get accurately recorded and stored for future generations to come!

Traffic Engineering

The Traffic Engineering Division experienced a productive year in 2024. The Division is also pleased to acknowledge the professional growth of its staff, with **Francis Baldonado** promoted to **Engineer III** and **Jose Perez** promoted to **Engineer I**.

The Department takes road safety very seriously and is constantly evaluating processes and conducting traffic studies to implement any additional road safety improvements as needed. During the 2024 year, Traffic Engineering implemented various safety measures by recommending the installation of:

- (4) Four Radar Feedback signs
- (6) Six Warning signs

The **radar feedback signs** were installed at two locations within Stanislaus County. Both locations were nearby schools, making these safer zones for children. Radar feedback signs, also known as *driver feedback signs* or *radar speed signs*, are interactive traffic calming devices that use radar technology to detect the speed of an approaching vehicle and display it to the driver in real-time. The main purpose of these is to make drivers aware when they are exceeding the speed limit, encouraging them to slow down voluntarily. These signs have been proven to be especially effective in slowing speeds and reducing crashes in sensitive areas like work zones, school zones, and residential neighborhoods, where pedestrian safety is a concern.

Traffic **warning signs** alert drivers to upcoming potential hazards and prompt them to slow down or take other precautions to avoid accidents. Signs were evaluated, modified, and/or installed at six locations in the County. Some examples of warning signs are:

Curve ahead: Indicates a sharp curve or series of curves is coming up, reduce speed.

Slippery when wet: Warns of reduced traction during wet conditions.

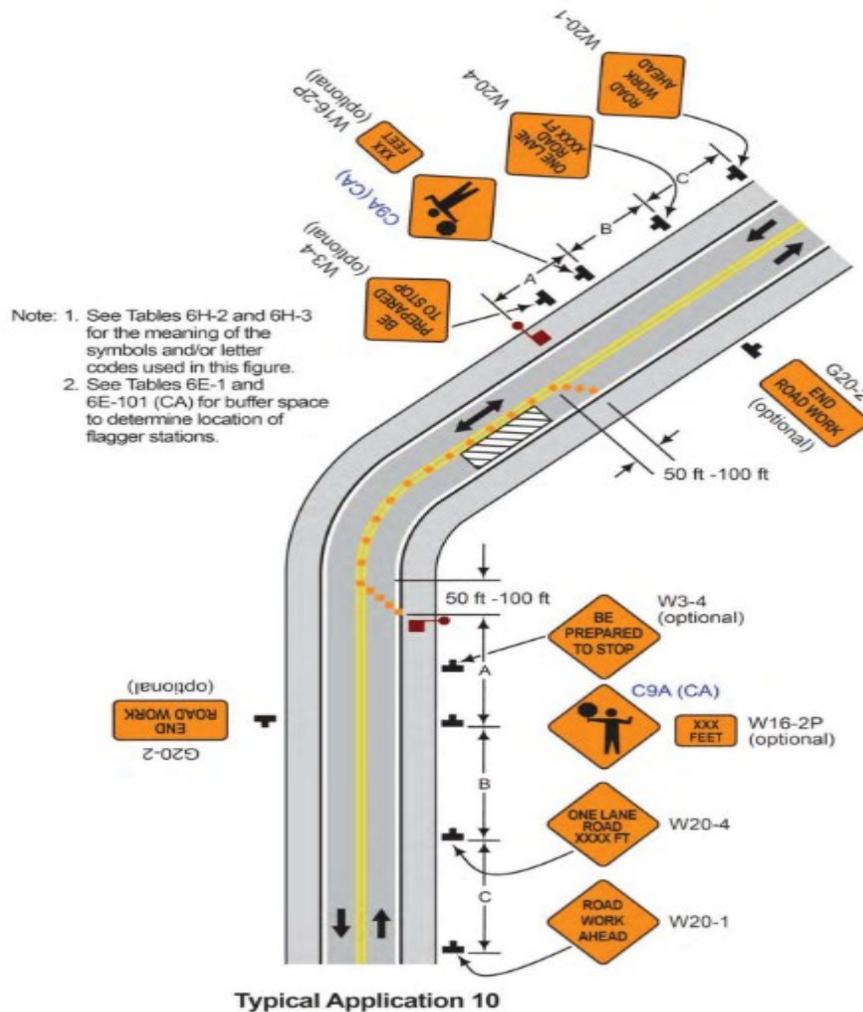
School zone: Indicates an area with a high volume of pedestrian traffic, particularly children.

Traffic signal ahead: Alerts drivers to an upcoming traffic light.

Thank you to our Traffic Engineering Division for keeping road safety as their top priority.



Figure 6H-10 (CA). Lane Closure on Two-Lane Road Using Flaggers (TA-10)

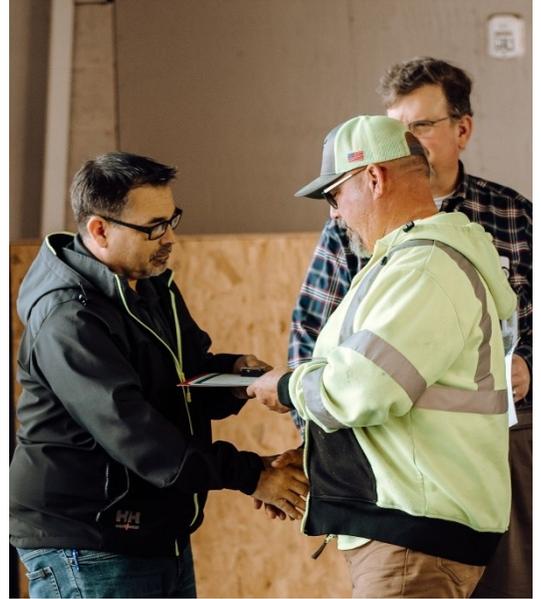
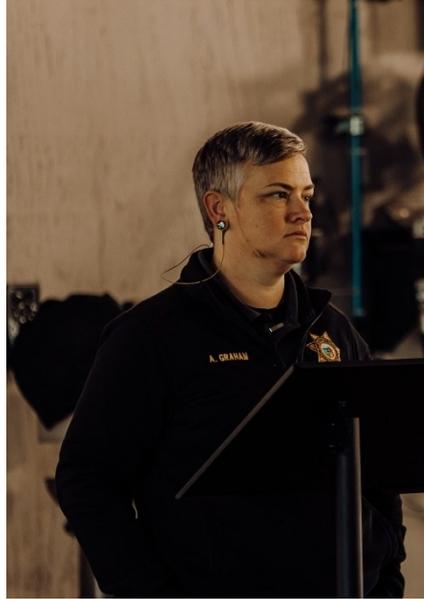


The Traffic division reviewed 293 traffic control plans in 2024 that were tied to a development services encroachment permit. When a private contractor is going to perform work in a County roadway, the contractor must submit a Temporary Traffic Control Plan (TTCP).

The Traffic division will then review the TCP and ensure that it meets the standards set by the California Manual on Uniform Traffic Control Devices (CA MUTCD). The submitted TCP's can either be a custom-drawn map (shown above) or a typical TCP that the CA MUTCD provides (example to the right).

Events

March 2024 — Quarterly Safety Meeting: Presentation by Ashely Graham, Stanislaus County Animal Control and Service Awards



March 2024 — Retirement Luncheon for Brian England, Charles Carpenter, Frederic Clark, Mark Hamblin and Roger Nelson



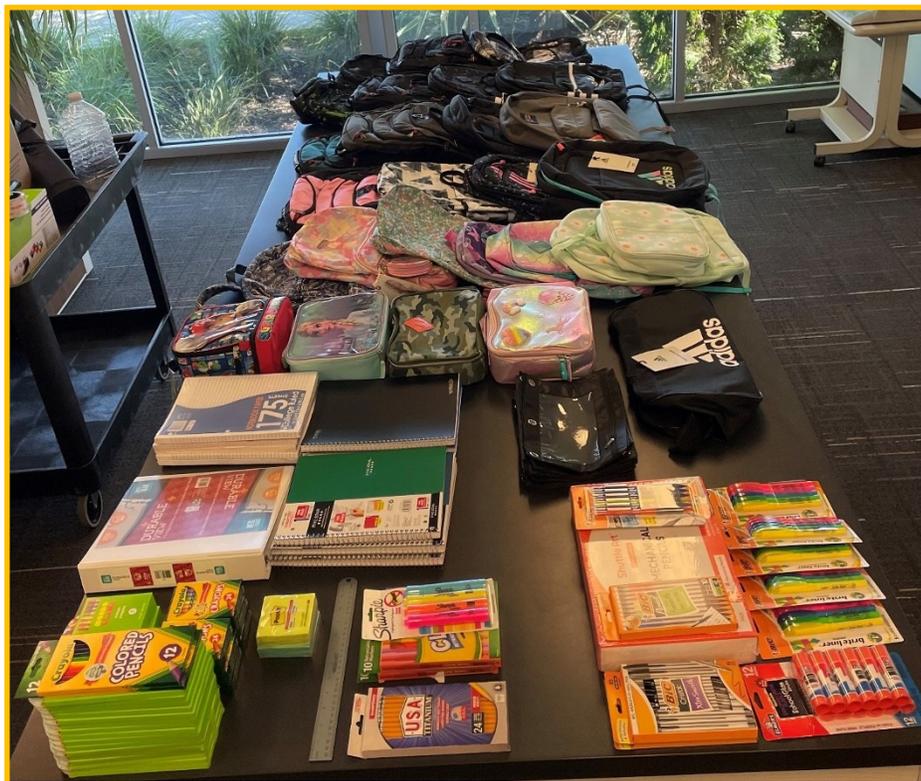
May 20 — 24, 2024 Public Works Week



Public works professionals bring vibrancy to our communities and using a gradation of colors, the 2024 National Public Works Week Poster illustrates how public works advances the quality of life for all. Whether it's through infrastructure or first responder services, public works professionals provide essential services that make the communities they serve more vibrant, accessible, and sustainable. This idea is reflected in the theme **“Advancing Quality of Life for All”**.

Since 1960, American Public Works Association (APWA) has sponsored National Public Works Week. Across North America, our more than 32,000 members in the US and Canada use this week to energize and educate the public on the importance of public works to their daily lives: planning, building, managing, and operating at the heart of their local communities to improve everyday quality of life.

July 2024 — Public Works participated in the 6th Annual Department of Child Support Services Backpack Drive



Every year we have an opportunity to make a positive impact in our communities by donating backpacks and school supplies that go directly into hands of Stanislaus County children. Events like this connect families to valuable resources in our community. Public Work's staff continuously demonstrate their generosity and this Backpack Drive is one we especially love participating in! All efforts to support the Stanislaus County Department of Child Support Services in partnership with First 5 Stanislaus and United Way have our common goal in mind to **Build Community**.

This year's **Kids Connect Community Celebration** event was a huge success and they were able to give out **1,199** backpacks with school supplies! We are happy we were able to contribute to this collective effort. It really does take a village.

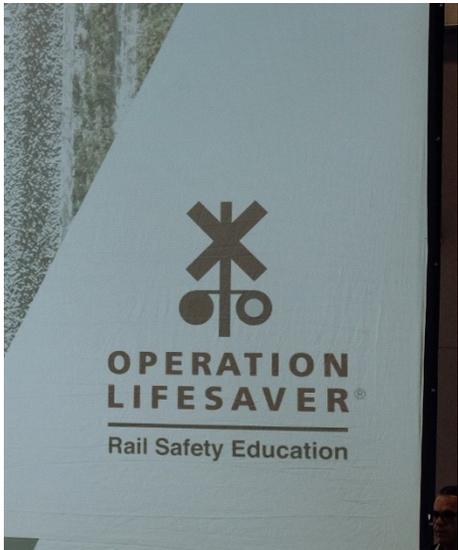
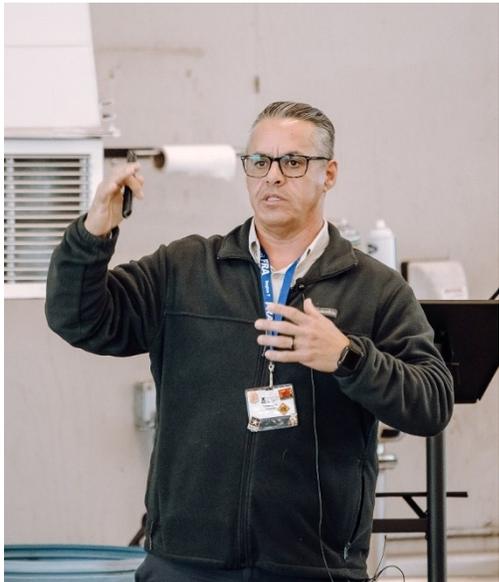


September 2024 — Quarterly Safety Meeting: Presentation by Kevin Anderson, Citizens Emergency Response Team (CERT), Service Awards and Chip Seal Summary and Thank You to Roads Division!





December 2024 — Quarterly Safety Meeting: Presentation by Felipe Ayala, Union Pacific Railroad and Service Awards





We would like to say thank you for all your hard work



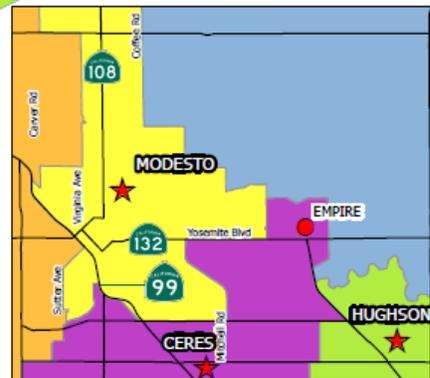
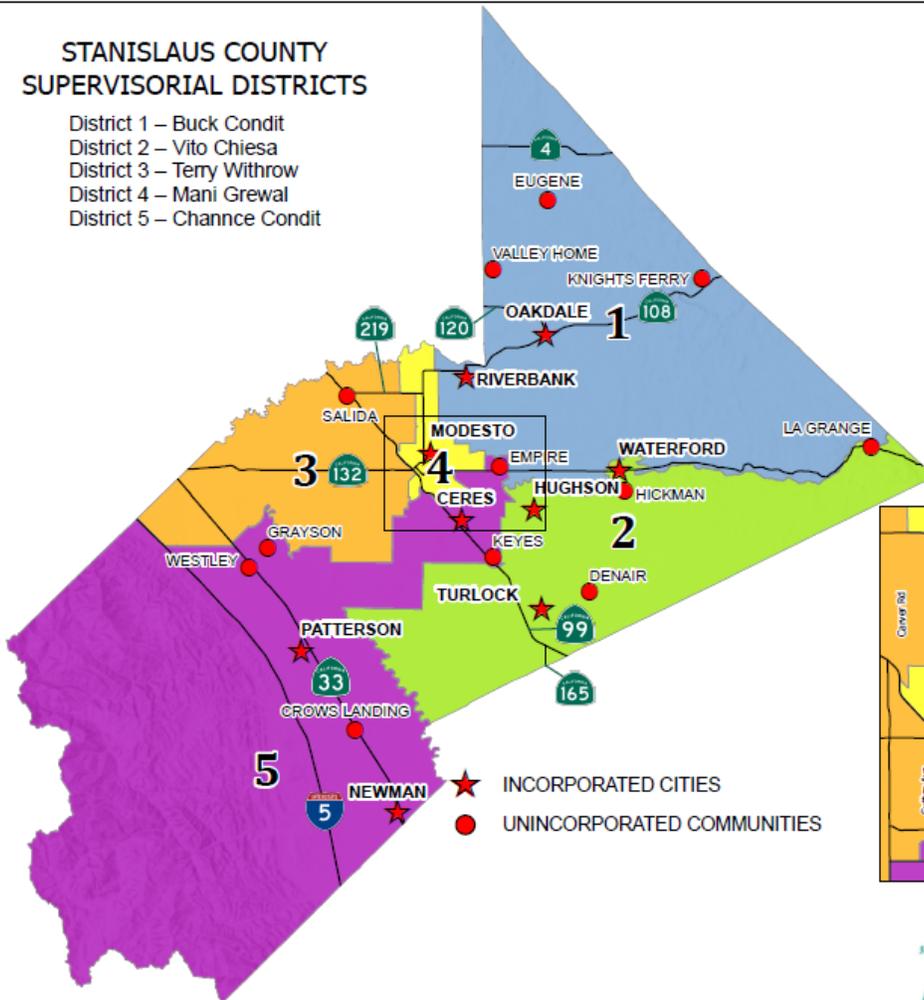
Board of Supervisors

District 1 Buck Condit Vice-Chairman	District 2 Vito Chiesa	District 3 Terry Withrow	District 4 Mani Grewal Chairman	District 5 Chance Condit
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STANISLAUS COUNTY SUPERVISORIAL DISTRICTS

- District 1 – Buck Condit
- District 2 – Vito Chiesa
- District 3 – Terry Withrow
- District 4 – Mani Grewal
- District 5 – Chance Condit



ENLARGEMENT
Date: 8/16/2024
Information Technology Central
Geographic Information Services
801 11th St. Modesto, CA 95354

Contact Information



**1716 Morgan Road
Modesto, CA 95358**
(209) 525-4130 Phone
(209) 541-2505 Fax

- ◆ Administration
- ◆ Construction Engineering
- ◆ County Surveyor's Office
- ◆ Design Engineering
 - ◆ Finance
- ◆ Traffic Engineering
 - ◆ Morgan Shop
- ◆ Roads and Bridges

www.stancounty.com/publicworks

You may also contact us by submitting your questions or concerns online at:

www.stancounty.com/customercenter or

Stanislaus County's Assistance Hotline at 1 (877) 2Assist / 1 (877) 227-7478

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Modesto, CA 95354**
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(209) 525-6507 Fax

- ◆ Development Services
- ◆ Encroachment Permits
- ◆ Transportation Permits

