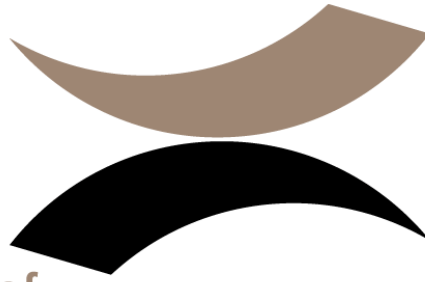


# STANISLAUS COUNTY PUBLIC WORKS



2009 ANNUAL REPORT



Department of

# Public Works

STANISLAUS COUNTY

## *Our Mission*

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

## *Our Vision*

Strive to be the leading Public Works Department through innovative stewardship of infrastructure and environment.

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# Board Priorities

Board Priorities serve as the foundation for operational and strategic planning for the organization. The primary Board priorities supported by Public Works are a Well-Planned Infrastructure System, Effective Partnerships, and Efficient Delivery of Public Services.

A well-planned infrastructure system is essential to the quality of life for the residents of Stanislaus County. Improved transportation circulation is a key element in achieving this priority. The major achievements in this area have been:

- Resurfaced approximately 35 miles of existing roadway. Stanislaus County maintains nearly 1,600 miles of roadway. The ultimate goal is to resurface every street in the county once every ten years.
- Restriped nearly 50% of County roadways.
- Increased transit ridership by approximately 10%.

The creation of the North County Corridor Transportation Expressway Joint Powers Authority is an excellent example of agencies partnering together to achieve a common goal. The Authority was formed in April 2008 to prepare, identify, and adopt a precise alignment, and prepare and certify environmental documents for a potential transportation expressway corridor east from Hammett Road/State Route 99 to a tie-in with State Route 108/120 east of Oakdale. The Joint Powers Authority includes representatives from Stanislaus County and the cities of Modesto, Oakdale, and Riverbank.

## LETTER FROM THE DIRECTOR



***Matt Machado, PE***  
***Director***

Welcome to the 2009 Stanislaus County Department of Public Works Annual Report. It has been a challenging, yet a rewarding year. We continue to hone our skills and efficiencies. Some highlights include our new GIS, both an internet version and an intranet version, new quarterly reports that entertain and inform, project deliveries such as Keyes Community Infrastructure Project, Shiloh Bridge Seismic Retrofit, Salida Blvd Reconstruction, and Santa Fe / Hatch Bridge Replacement, continued success in our Morgan Shop with an aggressive plan to switch out much equipment and vehicles to meet new air regulation and requirements, over 30 miles of roadway re-surfacing, the formation of two new special districts, and an immense amount of work in the roadway maintenance, design, transit, engineering services, and finance divisions.

Yet with all the good we have also had our difficulties. The State Budget continues to be a source of concern and anxiety. During the Summer of 2009, due to the threat of the State taking our gas tax, we were forced to put together a reduction in force proposal that would have reduced our staffing by 30%. Though this did not occur, it continues to be a threat until the State can resolve their budget constraints within.

If at some point the State can resolve their budget problems there will still be funding concerns for Public Works. We have projected substantial losses of revenue over the next few years. This has resulted in a long-term budget strategy that will reduce Public Works staffing by 15%. I am hopeful that we can achieve this staffing reduction through natural attrition over the next few years.

In these difficult economic times we will strive to focus on communication to keep the Board and community informed of any changes in services that we propose.

As we look ahead to 2010 we will be looking to make additional efficiency improvements through office consolidation and conducting long range planning to make the best use of our limited resources.

I would like to compliment and thank all staff for doing more with less. I would also like to thank the Board of Supervisors for their continued support. We will continue to provide a well-planned infrastructure system, efficient delivery of public services and to build effective partnerships.

A handwritten signature in blue ink that reads "Matt Machado". The signature is written in a cursive, flowing style.

Matt Machado



## LETTER FROM THE DEPUTY DIRECTOR

*Laurie Barton, PE*  
*Deputy Director, Engineering/Operations*

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I came across the following blog by Stephen Cohen regarding software development and couldn't help but see that the analogy can apply to many things, including working for Stanislaus County in the Department of Public Works.

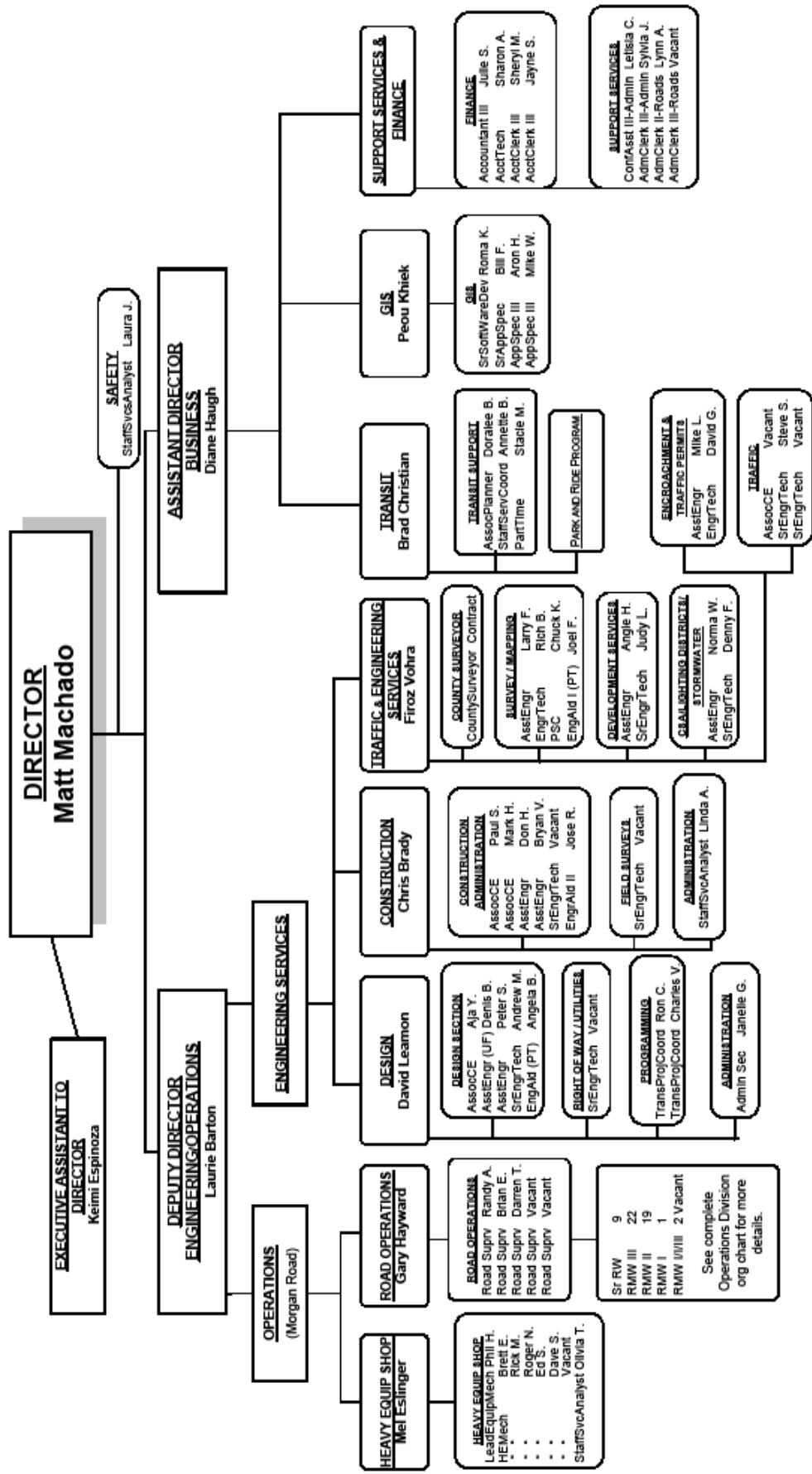
Leading a development team is much like captaining a ship. You know where you began, you were there. You know where you are for the same reason. You know where you want to end up and you have a plan to get there. You lean on your experience and the skills of your team. You apply the best tools available. Even so, the weather, the tides, and the general randomness of the universe will find a way to challenge you. Simply following the coast line requires continuous observation. Every detail of every part matters, and every part doesn't work perfectly. The plan on paper is nearly a straight line, but the real world finds even the smallest variation from perfect and creates unforeseen challenges. When things are going well you must look for the problems you might have missed. You need to perceive the unseen rocks below the waterline. Usually, things aren't going to go well. You adapt, adjusting course, conceding time, but never forgetting the destination. Anything less would leave you and your crew simply lost at sea.

It takes an amazing team of individuals to successfully plan, design, build and maintain a well-planned infrastructure system as expected by our Board of Supervisors and the citizens of Stanislaus County. Each one of us has an important role to play. Each of us must strive to understand that role and the relationship it has with others. Each of us must be agile and adaptive as we encounter those "unforeseen challenges". We must manage our expectations and celebrate our successes. Our destination is to deliver and maintain a well-planned infrastructure system in spite of budget woes, staffing issues, outside influences and "unseen rocks below the waterline". Individually, it's tough; as a team, we're better – anything less and we would be lost at sea.

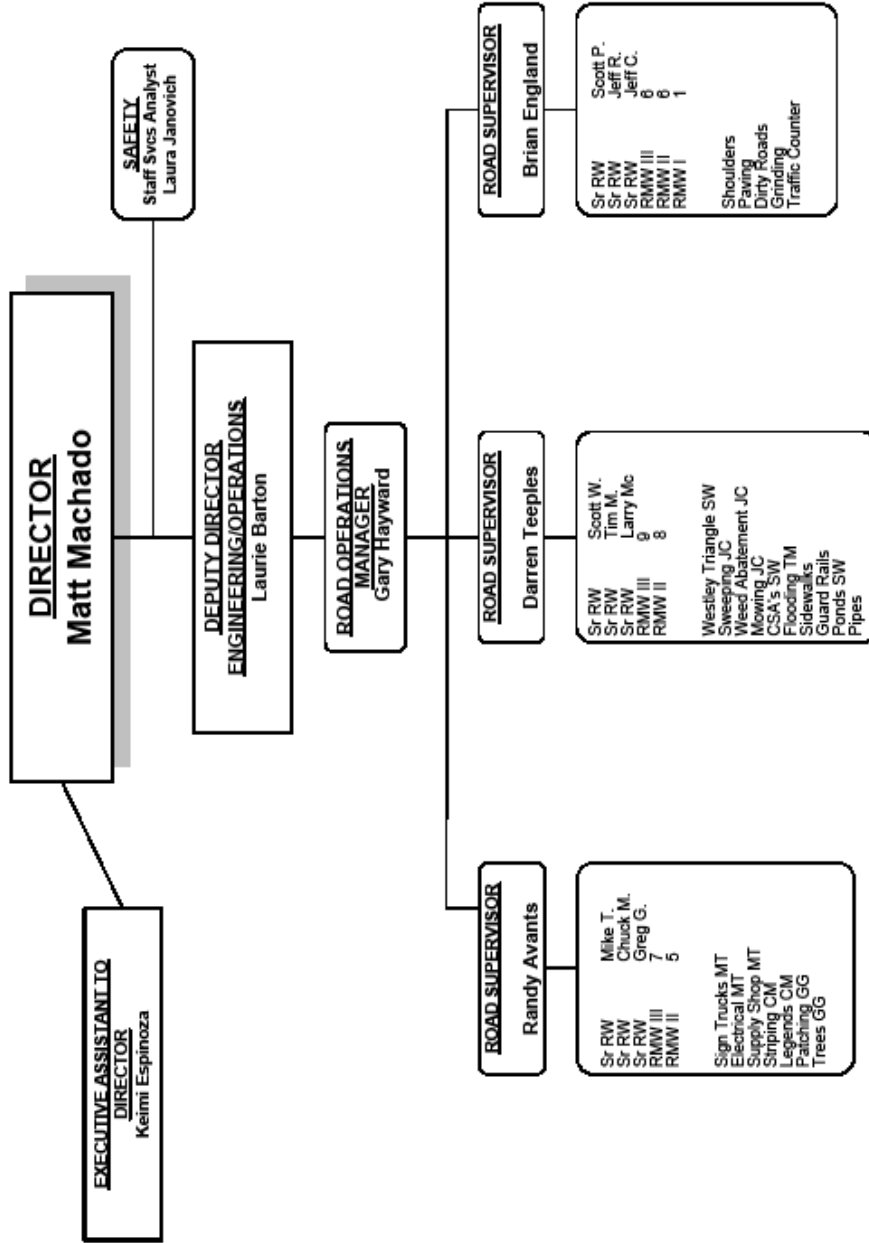
A handwritten signature in blue ink that reads "Laurie Barton".

Laurie Barton

# DEPARTMENT OF PUBLIC WORKS



# DEPARTMENT OF PUBLIC WORKS OPERATIONS



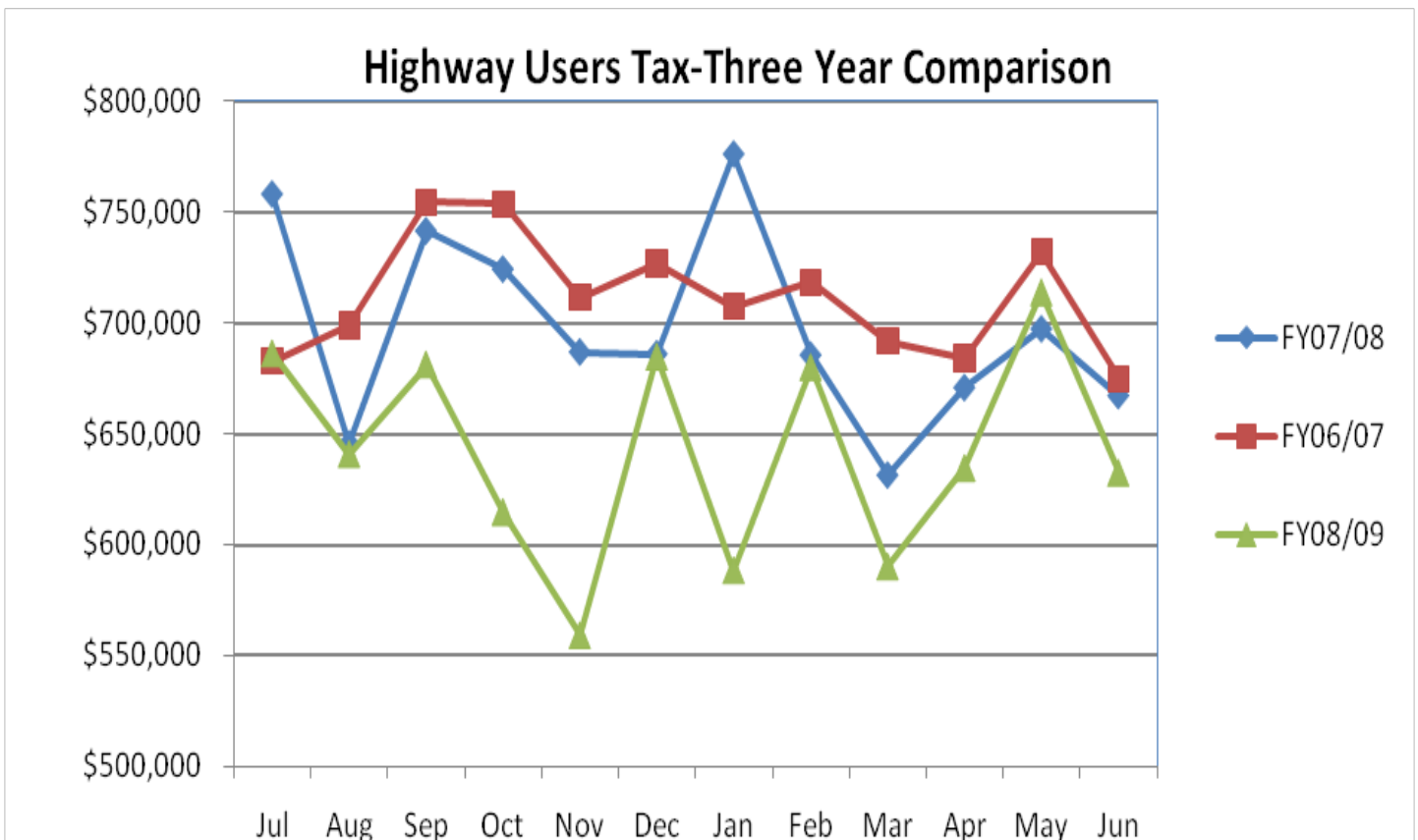
## 2009/2010 Budget Overview

Public Works is committed to providing the best possible service within budget constraints. Given the nature of the services provided, available funding, and the length of time required to take a project from inception to completion, it is critical that the Department look beyond the normal one-year budget timeframe.

Although HUTA has historically provided a relatively stable, if somewhat limited source of funding, recent State actions have created concern. The state legislature was poised to “borrow” HUTA funds to help balance the State budget earlier this year. Although this attempt failed, funding could still be at risk in future years. The Department will continue to monitor this situation.

As stated previously HUTA and Proposition 42 provide nearly 99% of Road Operations funding. The recent economic crisis resulted in a HUTA revenue decrease of 10% in fiscal year 2008/2009. Revenues received were at the fiscal year 2000/2001 levels. Unfortunately, it does not appear that revenues will recover from this reversal in the near future.

Revenue decreases have been offset somewhat by the receipt of Proposition 1B bond funds. These bonds were authorized by voters in November of 2006 and are allocated by the State annually. It was originally anticipated that the use of Prop 1B funds would span a 5-year period. Fiscal year 2009/2010 was to be year three of the five. Due to the State’s decision to defer HUTA and Prop 42 funding in fiscal year 2009/2010, all the remaining Prop 1B funds were allocated, although receipt is contingent on the States sale of bonds. Stanislaus County’s allotment is approximately \$7.5 million. The Department’s plan is to spread the use of these funds over the remaining three years, through fiscal year 2011/2012.





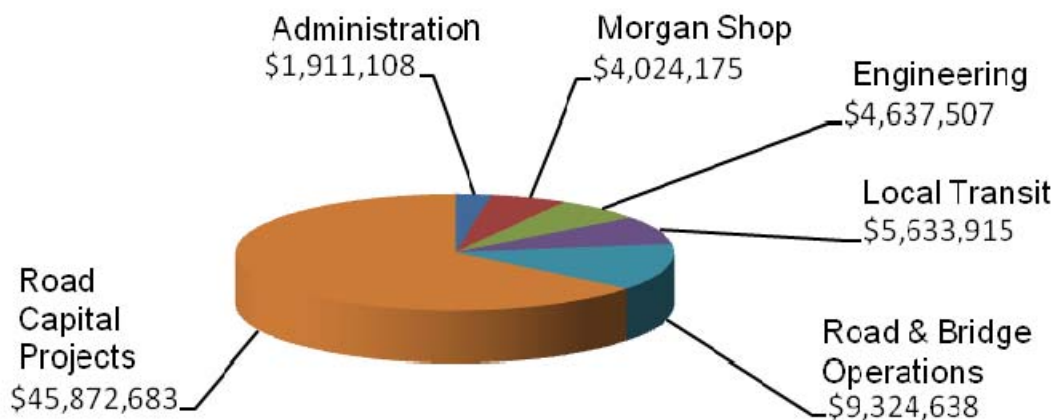
The Department is anticipating challenges in fiscal year 2012/2013. Prop 1B funds will be depleted resulting in a \$2.5 million reduction in revenues. To prepare for these challenges, a 4-year budget plan has been developed anticipating a 15% reduction from the current year's operating budget. This reduction will affect not only PW Road Operations, but Administration, Engineering, and Morgan Shop. The majority of the funding for each of these divisions is road funds.

Public Works' annual budget for fiscal year 2009/2010 is approximately \$71 million. As evidenced in the graph below, the Road Operations and Maintenance and Road Capital Project budgets comprise nearly 75% of the total. Capital projects consist of roadway improvements such as intersection and roadway widening, traffic signals, and road resurfacing.

Public Works' Transit division oversees the operation of Stanislaus Regional Transit (StaRT), the County's intercity public transportation system. StaRT provides intercity service within the County and links with city transportation systems to provide coordinated transit service to sixteen communities.

The remaining Public Works' divisions of Engineering, Morgan Shop, and Administration provide support services. Engineering provides design, construction, traffic, survey, and development support. Morgan Shop provides heavy equipment and fueling services, and Administration provides financial and administrative support and Geographic Information Systems (GIS) services.

**Public Works Budget by Division FY 09/10**



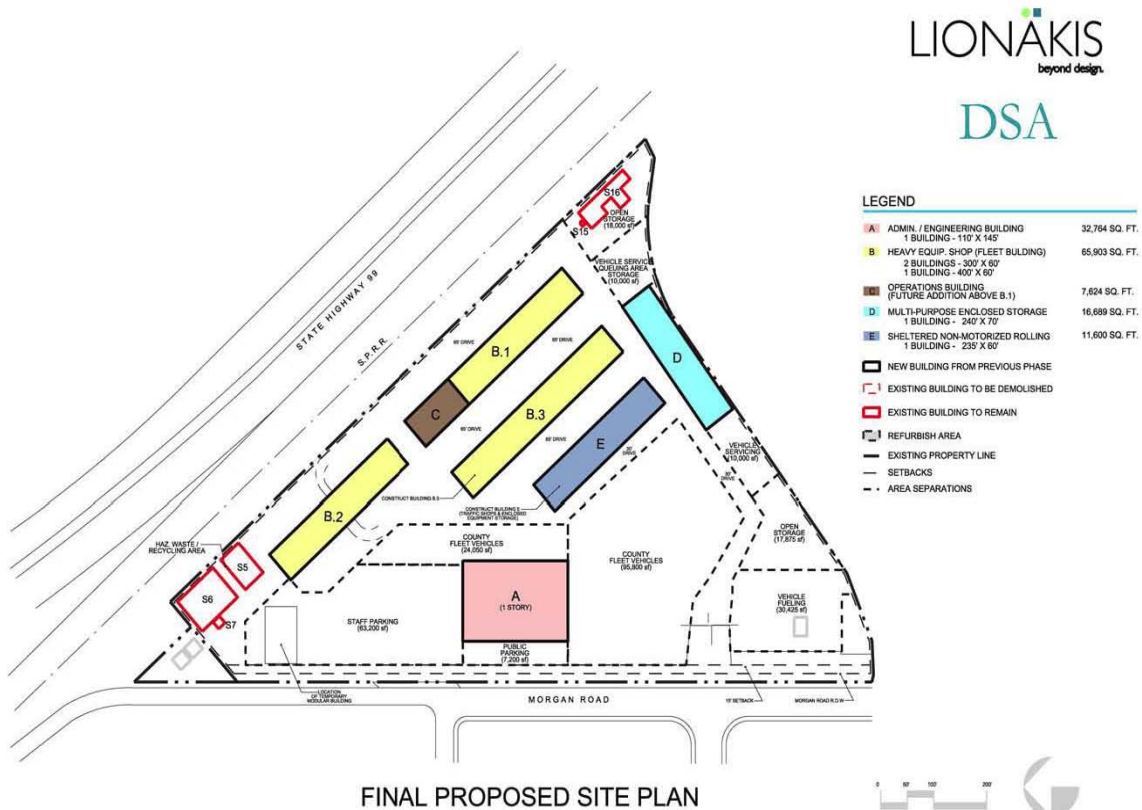
# Public Works Staffing

Public Works is comprised of six functional areas. These areas support Public Works’ mission to manage and improve infrastructure through safe and efficient use of resources and assets for the benefit of our citizens.

Public Works staff are housed at two locations. The majority of the department, Road Operations, Design and Construction Engineering, and Morgan Shop are located at 1716 Morgan Road. The remaining sections of Administration, Transit, Geographic Information Systems (GIS), Traffic, and Development Services are located at Tenth Street Place. While this creates some difficulties, staff continually rises to the challenge.

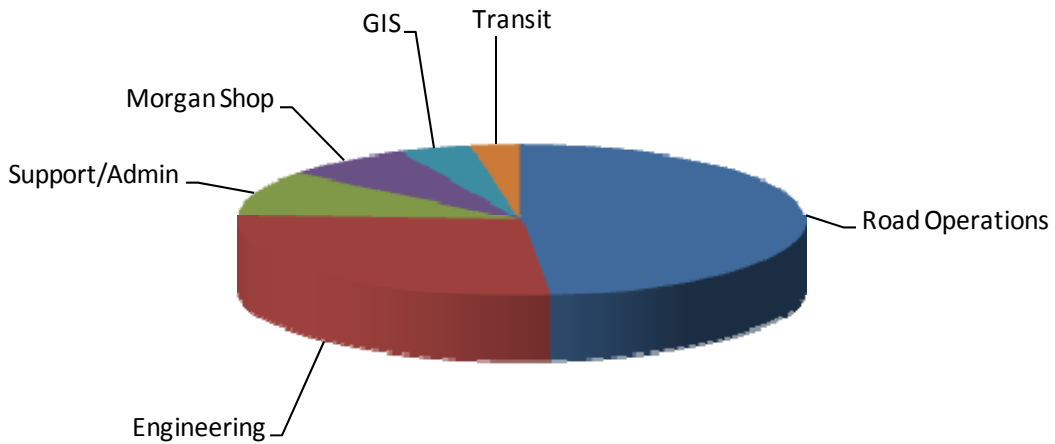
To alleviate the inefficiencies caused by two locations, and to plan for the future, the Department has begun development of a Facilities Master Plan. DSA, Inc. was selected through a request for proposal (RFP) to evaluate existing facilities and develop a forecast of future needs based on service demand and projected staffing, equipment, and inventory levels. The master plan is based on a 20-year build out and is designed to be completed in phases, as funding becomes available. The proposed plan fully utilizes the existing site at 1716 Morgan Road, bringing all of Public Works under one location.

Exhibit 5.1: Morgan Road Facility – Conceptual Site Plan at Build-out



# Overview

## Public Works Staffing



### **Functional Breakdown**

Road Operations	59
Engineering	33.5
Support/Admin	12
Morgan Shop	9
GIS	5
Transit	3.5
<hr/>	<hr/>
	122

## ENGINEERING SERVICES DIVISION

### *Design Section*



*David Leamon, PE*  
*Senior Civil Engineer*

The Design Section provides oversight and design services for road and bridge improvement projects as defined in the Capital Improvement Program. The services include developing design plans that incorporate the County's standard specifications and meet state and federal funding requirements. The Design Section addresses the environmental, utility and right of way coordination of a project through to construction documents that consist of plans, specifications and an engineer's estimate. The construction documents are presented to the Board of Supervisors for approval to bid; the project is awarded and then tracked for progress through construction.

This Section also provides project consultant selection, and design and construction oversight services to other County Departments such as Environmental Resources, Parks and the Redevelopment Agency.



From left to right: Aja Yamzon, Andrew Malizia, Denis Bazyuk, Don Hicks, Dave Leamon, Ron Cherrier, Charles Vasquez, Peter Song, and Janelle Godinez.

### **Authorized Federal Funding**

In 2009, the amount of federal funds authorized was exceptionally large. The Department received \$10,781,849 in authorized federal funding, which includes \$7,006,187 in stimulus funds. The total represents more than \$3.74 million above the amount authorized in 2008. These authorized funds include the following:

- ✦ Regional Surface Transportation Program (RSTP) Funds:
  - RSTP 2009 Cape Seal Project – received \$3,382,267 to provide a chip and slurry seal on approximately 52 miles of federal-aid eligible roads.
  - Cultural Resources Study - received \$123,942 for study on federal-aid eligible roads to expedite a portion of the Caltrans environmental review process.
  - RSTP Phase “C” Overlay Project – received \$13,280 for Preliminary Engineering (PE) Phase.
  
- ✦ Highway Bridge Program Funds:
  - Shiloh Road Bridge Seismic Retrofit Project - received additional funding of \$197,673 for Construction Phase.
  
- ✦ Highway Safety Improvement Program Funds:
  - Hatch Road/Crows Landing Road Intersection Signal Upgrade – received \$45,000 for PE Phase to replace outdated traffic signals.
  - South Ninth Street/Latimer Avenue intersection southbound left turn lane extension – received \$9,000 for PE Phase.
  - Claribel Road/Burlington Northern Santa Fe Railroad crossing improvements – received \$4,500 for PE Phase.
  
- ✦ American Recovery and Reinvestment Act (ARRA) funds:
  - Carpenter Road at Robertson Road and Carpenter Road at Beverly Drive Intersections Signalization Project – received \$1,366,675 for Construction Phase with no local match required.
  - ARRA 2009 Cape Seal Project – received \$5,028,742 to provide a chip and slurry seal on approximately 55 miles of federal-aid eligible roads with no local match required.
  - ARRA Hughson SOI Cape Seal Project - received \$610,770 to provide a chip and slurry seal on approximately 5.4 miles of federal-aid eligible roads with no local match required.

## ENGINEERING SERVICES DIVISION

### *Design Section (Continued)*

#### **Road Project Related:**

- McHenry Ladd Signal Project Bids Opened; Granite Construction low bidder
- RSTP Program C and D undergoing environmental review, approximately 50 miles of asphalt concrete overlay to be constructed in 2010-2011
- ARRA Cape Seal 57.5 miles of Chip Seal and Slurry Seal to be constructed Summer 2010
- RSTP Cape Seal 53.2 miles of Chip Seal and Slurry Seal to be constructed Summer 2010
- Hughson ARRA Cape Seal 4.6 miles of Chip Seal and Slurry Seal to be constructed Summer 2010
- J-59 Cape Seal 2.5 miles of Rubberized Cape Seal to be constructed Summer 2010
- Martin Luther King sidewalks – internal design finished October 2009
- Carpenter Road – Beverley and Robertson moved this project to stimulus funding as ARRA project
- Sycamore/Elm and Las Palmas signals: Design at 100%, right-of-way phase completed, moving to utility phase
- Design Reports completed for Crows Landing and West Main Signals and Crows Landing and Keys
- Hatch Road Channelization Project, completing right-of-way process, project to bid 2010
- Geer Road and Whitmore Avenue Signal plans 100% complete, waiting for final utility relocations from AT&T; Project to bid Spring 2010 for Fall construction

#### **Bridge Project Related:**

- Crows Landing Bridge, Programming re-authorized, Nolte given new notice to proceed
- Shiloh Road Bridge over Tuolumne River opened bid, awarded, and constructed in 2009; First seismic retrofit in approximately 10 years in Stanislaus County
- McHenry Avenue Bridge over the Stanislaus River, begun Environmental Phase
- Grayson Road Bridge over Laird Slough, Environmental Process complete, bidding and construction in 2010
- Received programming for the following projects:
  - ◆ Kilburn Road Bridge over Orestimba Creek, fracture critical bridge replacement, first new bridge project in over 10 years
  - ◆ Peter Miller Road Bridge over the Delta-Mendota Canal, continuation of existing seismic retrofit
  - ◆ Geer Road Bridge over the Tuolumne River, continuation of existing Seismic Retrofit project

#### **Process:**

- Resource Based scheduling for Design started, 90% complete adoption anticipated early 2010
- Assisted GIS with Bridges Layer to catalogue and inventory our bridges Countywide
- Pavement Management System new survey complete, database integration in 2010 with GIS
- Capital Improvement Program retooled for Public Works implementing our Program of Projects



From left to right: Aja Yamzon, Dave Leamon, Don Hicks, Andrew Malizia, Peter Song, and Denis Bazyuk.

## ENGINEERING SERVICES DIVISION

### *Design Section (Continued)*

#### **Special Projects:**

- **Keyes Phase 2** – Project awarded to George Reed in February 2009. This project is winding down and ahead of schedule for completion in Spring 2010.
- **Empire Infrastructure Improvements** – Phase-1A design was completed and the project was awarded to Granite Construction. Construction commenced in January 2010 with completion scheduled in July 2010.
- **Empire Infrastructure Improvement Next Phase** - The Planning Department and Public Works will start the preliminary planning for the next construction phase within the community of Empire. This is a two year effort and the limits of the improvements are dictated by the amount of funding secured by the County.
- **Woodward Reservoir Water Well Improvements** – Well # 2 replacement is scheduled for Spring 2010.
- **Frank Raines Park Improvements** – The water filtration and distribution system master plan and Phase 1A design is being awarded to PSOMAS Consulting Engineering. The project has a duration of one year for design and construction completion. In addition, Public Works will be providing repair services for the bridge crossing to the OHV Park in the Summer of 2010 under the direction of engineering design. An ongoing project and fencing of the entire park, this will be accomplished in phases, as funding permits. We are also assisting the Parks Department in the surveying, planning and mapping of the OHV trails within the park.
- **Landfill Cell #5 Base Liner System** – This project is near completion in early 2010.
- **Improvement to Heron Pointe, Woodward Reservoir**- This project is at 60% design completion and the environmental studies have been completed. Currently we are in the process of obtaining the U.S Army Corps of Engineering environmental permits. This project is scheduled to be constructed by spring of 2011.
- **Honor Farm Wastewater Treatment Facility** - The Chief Executive Office, Capital Improvement Projects has retained Public Works to manage and supervise the master planning design and construction in phases for repairs and upgrades to this sheriff owned facility. Nolte Consulting has been contracted to provide the technical support for the design and construction inspection. This project requires immediate repairs to their system with a multi-phase during design and construction.



Fink Road Landfill



Keyes Infrastructure

## ENGINEERING SERVICES DIVISION

### *Construction Section*



***Chris Brady, PE***  
***Senior Civil Engineer***

The Construction Division oversees all construction related elements of the Public Works Department projects. Through contract administration and construction inspection, it is the goal of the Resident Engineer to ensure that the project is built according to the plans, specifications, and on budget. In doing so, the Resident Engineer assures the public that projects are completed to meet the County's standards. The Resident Engineer also processes any changes to the project plans through the Board of Supervisors for approval.

The Construction Division also provides construction contract administration services to other Stanislaus County departments, such as Parks and Recreation, Environmental Resources, and the Planning/Redevelopment Agency.



From left to right: Jose Ramirez, Bryan Voyles, Don Hamaguchi, Chris Brady, Paul Saini, and Linda Allsop.

### **2009 Accomplishments**

- RSTP Road Resurfacing 07/08 Phase 2
- Salida Boulevard Corridor Plan
- Santa Fe Avenue Canal Bridge Widening at Hatch Road
- 2008 Slurry Seal (Denair)
- Denair Lighting District Improvements –Phase 1
- Ladd Road at McHenry Avenue Irrigation Relocation
- Fink Road Landfill Cell 5, Excavation and Liner
- Keyes Infrastructure
- Shiloh Road Bridge at Tuolumne River

### **2010 Forecasted Projects**

- Empire Infrastructure, Phase 1A
- Woodward Reservoir Water Well #2
- Carpenter Road Traffic Signals
- Geer Road at Whitmore Traffic Signal
- ARRA Cape Seal
- 2009 Slurry Seal
- J59 Cape Seal
- Hughson Cape Seal
- Hatch Road Channelization
- Mariposa Road Rail Road Crossing
- RSTP Cape Seal
- Grayson Road Bridge Retrofit
- Santa Fe Avenue at Geer Road Traffic Signal
- Santa Fe Avenue at Hatch Traffic Signal
- 9<sup>th</sup> Street at Latimer Avenue Left Turn Pocket Improvements
- Claribel Road at BNSF Railroad Crossing Improvements



# ENGINEERING SERVICES DIVISION

## Construction Section (Continued)

### Project Funding

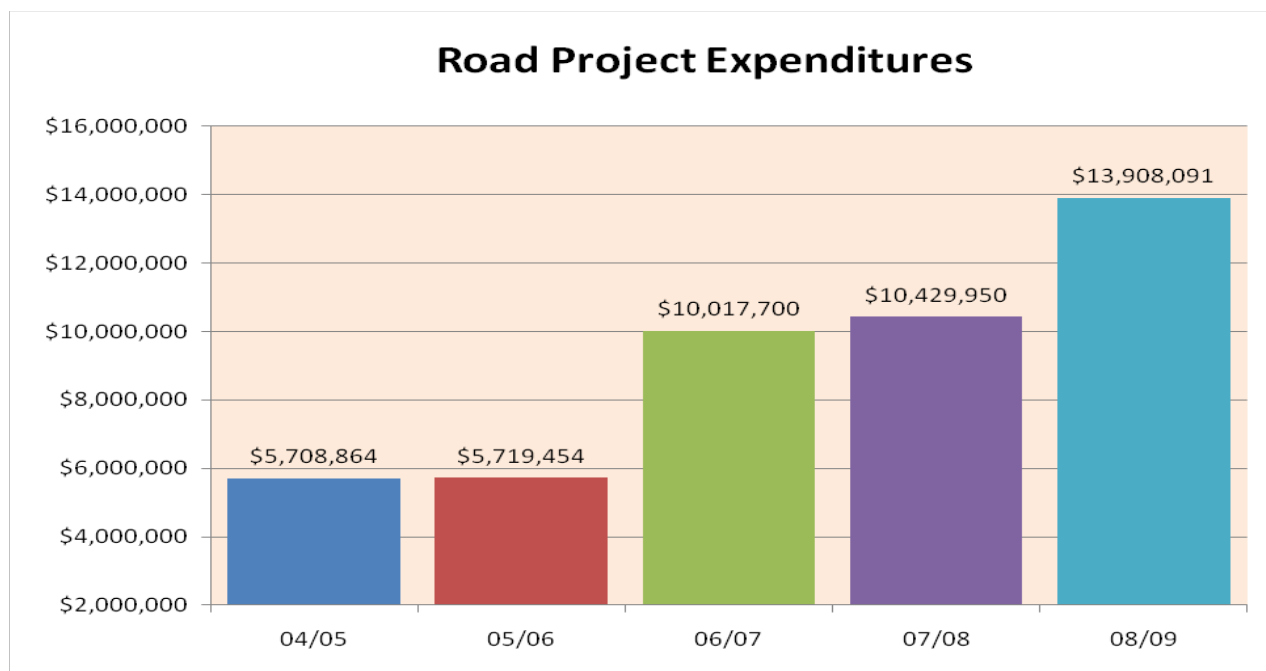
The major sources of funding for major road projects are Public Facility Fees, State and Federal Grant funds, Proposition 42, Proposition 1B, and American Recovery and Reinvestment Act (ARRA-stimulus).

Stanislaus County implemented a Public Facility Fee program in 1990. This program identified routes within the County that would be impacted by growth, and established a fee structure to capture the cost of that growth. Since the inception of the program, Public Facility Fees have provided funding for over \$52 million in road projects. Improvements include road and intersection widening, and addition of traffic signals. Current Public Facility Projects include intersection improvements at McHenry Avenue and Ladd Road and on Las Palmas Avenue at Elm and Sycamore.

Proposition 42 and 1B provide additional resources for road operations, maintenance, and major road projects. The availability of Prop 42 and 1B funding has enabled Public Works to escalate the amount of major road projects. These funds can be used to leverage federal and state money. Federal and state grants usually require a “local match” of between 10% and 20%.

Public Works received approval for federal grants totaling nearly \$4,500,000. These include Regional Surface Transportation Funds (RSTP) to resurface 53 miles of roadways and seismic funding for the retrofit of the Shiloh Road Bridge.

A new source of funding this year is American Recovery and Reinvestment Act (ARRA) funds. Stanislaus County will be receiving just over \$7,000,000 of these stimulus funds. The funds are being used to resurface approximately 56 miles of roadways throughout the County. We are also partnering with the City of Hughson to use their ARRA funds to chip and slurry seal approximately 4 miles of roads within or near the City of Hughson sphere of influence. ARRA funds will also be funding two traffic signal installations on Carpenter Road; one at Beverly Road and the other at Robertson Road.



**ENGINEERING SERVICES DIVISION**  
*Construction Section (Continued)*

**Project Summaries**

**RSTP Road Resurfacing 07/08 Phase 2**

**Improvements:** AC overlay, pavement delineation

**Cost:** \$3,535,982.03

**Start Date:** July 2009

**Completion Date:** November 2009

**Contractor:** Knife River Construction

**Resident Engineer/Construction Inspector:** Jose Ramirez



*River Road (Before and After)*



*Marshall Road (Before and After)*



**ENGINEERING SERVICES DIVISION**  
*Construction Section (Continued)*

**Salida Boulevard Corridor Plan**

**Improvements:** Storm drainage improvements, Traffic Signals, AC Overlay, Handicap ramp construction, pavement delineation

**Cost:** \$2,394,851.56

**Start Date:** September 2008

**Completion Date:** June 2009

**Contractor:** Teichert Construction

**Resident Engineer/Construction Inspector:** Bryan Voyles, Jose Ramirez



*Salida Boulevard Corridor Plan (Before and After)*



## ENGINEERING SERVICES DIVISION

### Construction Section (Continued)

#### **Santa Fe Avenue Canal Bridge Widening at Hatch Road**

**Improvements:** Bridge reconstruction and widening

**Cost:** \$636,013.17

**Start Date:** November 2008

**Completion Date:** February 2009

**Contractor:** Agee Construction

**Resident Engineer/Construction Inspector:** Paul Saini



#### **2008 Slurry Seal (Denair)**

**Improvements:** Slurry Seal

**Costs:** \$241,186.10

**Start Date:** April 2009

**Completion Date:** May 2009

**Contractor:** California Pavement Maintenance Company

**Resident Engineers/Construction Inspectors:** Paul Saini



## ENGINEERING SERVICES DIVISION

### Construction Section (Continued)

#### **Denair Lighting District Improvements –Phase 1**

**Improvements:** Street Lighting Improvements

**Cost:** \$26,880.00

**Start Date:** June 2009

**Completion Date:** June 2009

**Contractor:** Collins Electric Company

**Resident Engineer/Construction Inspector:** Paul Saini



#### **Ladd Road at McHenry Ave. Irrigation Relocation**

**Improvements:** Canal Improvements and pipeline reconstruction

**Cost:** \$407,602.55

**Start Date:** December 2008

**Completion Date:** March 2009

**Contractor:** Clyde Wheeler Pipeline

**Resident Engineer/Construction Inspector:** Mark Hamblin/Don Hamaguchi



**ENGINEERING SERVICES DIVISION**  
*Construction Section (Continued)*

**Fink Road Landfill Cell 5, Excavation and Liner**

**Improvements:** Excavation and Liner installation on Cell 5

**Cost:** \$4,026,622.00

**Start Date:** June 2009

**Completion Date:** Anticipated Completion date of February 2010

**Contractor:** DeSilva Gates Construction

**Resident Engineer/Construction Inspector:** Don Hamaguchi



*Fink Road Landfill Cell 5, Excavation and Liner*



**Shiloh Road Bridge at Tuolumne River**

**Improvements:** Seismic Retrofit

**Cost:** \$946,790.00

**Start Date:** September 2009

**Completion Date:** Anticipated Completion Date of January 2010

**Contractor:** Blaisdell Construction

**Resident Engineer/Construction Inspector:** Paul Saini



*(Before and After)*



**ENGINEERING SERVICES DIVISION**  
*Construction Section (Continued)*

**Keyes Infrastructure**

**Improvements:** Drainage Facilities, Pump Station, Curb and Gutters, AC Paving

**Cost:** \$12,964,357.45

**Start Date:** February 2009

**Completion Date:** Anticipated Completion date of April 2010

**Contractor:** George Reed Construction

**Resident Engineer/Construction Inspector:** Chris Brady, Don Hamaguchi



*(Before and After)*



## ENGINEERING SERVICES DIVISION

### *Traffic and Engineering Services Section*



***Firoz Vohra, PE***  
***County Traffic Engineer***

The Traffic and Engineering Services Section provide the following functions:

- ◆ Traffic Engineering - includes roadway signing; striping; traffic signals; speed zones; parking; collision data collection, analysis and mitigations; Traffic Calming; Roadway - Capital Improvement Project Development.
- ◆ Land Development and Plan Review - Includes land development project proposal review; analyze project impacts on roadway infrastructure; review and comment on analysis and engineering reports; develop impact mitigations; present staff recommendations to Planning Commission and the Board; review and comment on development plans to conform with the county standards.
- ◆ Encroachment Permits - Includes issuing encroachment as well as transportation permits and encroachment inspections.
- ◆ Community Service Area Administration - Includes formation and management of special benefit districts to provide storm water management, special landscaping, street lighting and other benefit to local communities.
- ◆ Surveying and Mapping - Includes maintaining surveys; county maps and survey monuments; prepare legal descriptions for County lands, rights-of-ways and easements; map checking and managing records of surveys.



Back row, from left to right: Bill Cardoza, Denny Ferreira, Angie Halverson, Rich Brown, David Gein, and Mike Luevano.  
Front row, from left to right: Chuck Kincaid, Sylvia Jones, Judy Lindsay, Norma Canapi-Williams, Larry Fontana, Steve Song, and Firoz Vohra.



# ENGINEERING SERVICES DIVISION

## Traffic and Engineering Services Section (Continued)

### CSA/Lighting Districts/Stormwater

The County Service Area (CSA), Lighting District (LD) and Landscape and Lighting District (LLD) section of the Public Works Department provides oversight for the formation of these districts and the services provided. Services such as storm drain maintenance, streetscape and park maintenance, and street lighting are funded by the assessment of parcels within the service areas.

This section also provides GIS mapping services on request to other County Departments and Agencies. The Land Development Coordinator prepares department conditions of approval and agreements for discretionary land use projects and represents the Department of Public Works at Planning Commission meetings.

#### 2009 Accomplishments

1. Provided Customer Support to Survey Staff
2. Indexed Internal Maps:
  - Corner Records
  - Records of Survey
  - Deeds and Easements
  - Subdivision Maps
  - Certificates of Correction
  - Bench Marks
3. Formations/Annexations/Upgrades:
  - Completed annual County Service Area and Landscape and Lighting District's budgets, including Engineer's Reports and assessment extension to the tax rolls.
  - Indexed eighty (80) Corner Records for survey staff.
  - Scanned all of the County Service Area forms to Layers on GIS.
  - Added five (5) High Pressure Sodium Vapor Lights to the Denair Lighting District.
  - Formed the following assessment Districts:
    - ◆ Beard Industrial Lighting District
    - ◆ North McHenry #2 Lighting District
    - ◆ Marshall Avenue Lighting District



#### 2010 Goals

1. Scan and link the following to GIS layers:
  - Forms related to Lighting Districts and Landscape and Lighting Districts
  - Boundary Maps
  - Consent Forms
  - Petition Forms
  - Board Action Agenda Items
2. Locate all lights within the Lighting Districts and Landscape and Lighting Districts.
3. A complete lighting survey that identifies all county owned lights in and out of the Lighting Districts, Landscape and Lighting Districts, and County maintained Roadway Intersections.
4. Create a GIS layer showing location, identification numbers, wattage and pole type of all lights located within Lighting Districts and Landscape and Lighting Districts.
5. Complete the County Service Area 27-Empire formation process.
6. Initiate and complete the Grayson formation to create a County Service Area assessment district.



Norma Canapi-Williams



Denny Ferreira

**ENGINEERING SERVICES DIVISION**  
*Traffic and Engineering Services Section (Continued)*

**Encroachment and Traffic Permits**

The Encroachment Permit Division of the Public Works Department is charged with the responsibility of providing construction inspection of projects constructed within the public right-of-way or upon public property within the County of Stanislaus relating to grading and storm water retention.

The division protects the County's interest in the construction of public improvements by assuring that the improvements are constructed in accordance with the plans, specifications, and all applicable laws to afford the greatest benefit to the public. This includes reducing and avoiding future maintenance costs, providing for public convenience and safety, and minimizing public liability.

The division substitutes for Construction Administration Field Inspectors for Federal Labor Compliance in the construction and pavement of roads, bridges and reconstruction projects. In accomplishing this mission, employees work as a team by sharing ideas and providing support for other team members as they carry out their duties.

<b><u>2009 Accomplishments</u></b>	<b><u>Current Projects</u></b>
<ul style="list-style-type: none"><li>• Issued 280 Encroachment Permits</li><li>• Issued 317 Annual Transportation permits</li><li>• Issued 640 Daily Transportation Permits</li><li>• Thirty large private commercial and agricultural projects</li><li>• Seven sewer and water transmission pipeline projects</li></ul>	<ul style="list-style-type: none"><li>• Six pipeline maintenance agreements</li><li>• Three High School/Road construction projects</li><li>• 24 large private commercial projects</li></ul>
<b><u>2010 Goals</u></b> <ul style="list-style-type: none"><li>• Make available on the internet the encroachment permit application and database. This will streamline the utility road closure permits.</li><li>• Write a Transportation Permit Brochure for distribution to the public and to be posted on the Stanislaus County Public Works online website.</li><li>• Update the existing County Bridge Map &amp; Addendum to include current bridge ratings and improve map legend information and layout along with current road requirements.</li><li>• Create a County Route Map to combine with the County Bridge Map so that road conditions and weight-bearing capacity are shown along with the County bridge load capabilities.</li><li>• As the supervising public agency, we will continue to familiarize ourselves, monitor and enforce the California Regional Water Quality Control Board Storm Water Pollution Prevention Plan (SWPPP) submitted by contractors and property owners for every construction project that results in a cumulative one acre or more.</li><li>• Update the Department Policy for issuing transportation permits.</li><li>• Continue to provide prompt and courteous service to all of our customers.</li></ul>	

# ENGINEERING SERVICES DIVISION

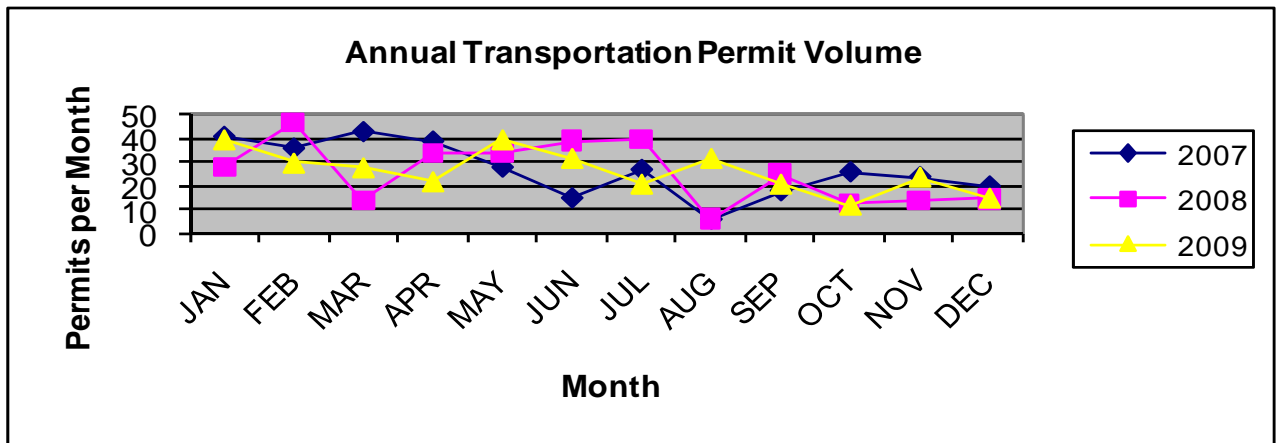
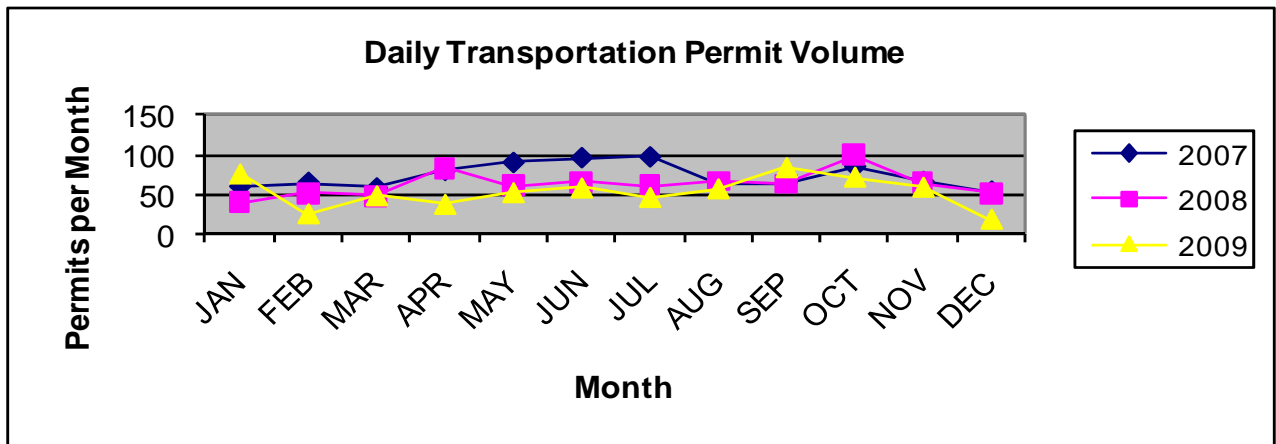
## Traffic and Engineering Services Section (Continued)



David Gein



Mike Luevano



## **ENGINEERING SERVICES DIVISION**

### *Traffic and Engineering Services Section (Continued)*

The Encroachment Permit Division provided field inspection for the construction of commercial, industrial, residential subdivisions, and multi-family developments. The 280 permits issued included inspection of improvements such as sewer, water, storm drain, curb, gutter, streets, traffic signals, and park basins. We also monitored erosion control and soil remediation monitoring.

**\*Some of the 2009 major milestones included the completion of three of the six current school projects.**

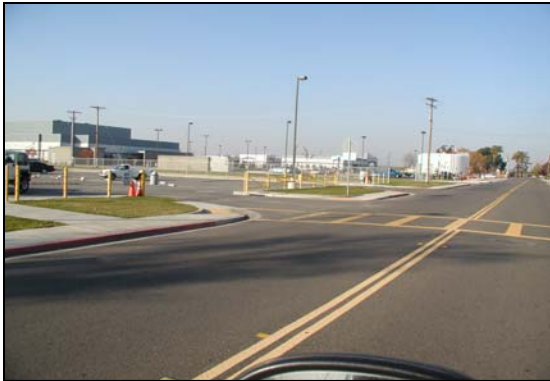
*Joe Gregori High School in Salida*



*New Stoddard and Pirrone Roads*



*Denair High School*



*Full street frontage improvements*



*Riverbank Elementary School*



*Full street frontage improvements*



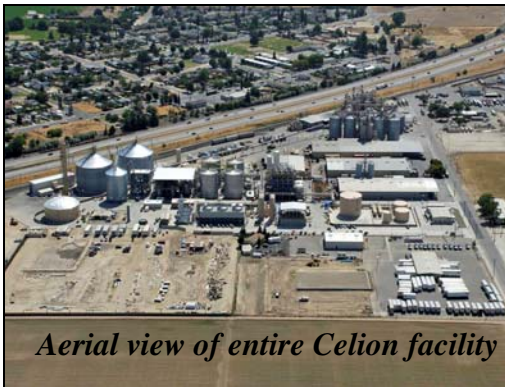
**ENGINEERING SERVICES DIVISION**  
*Traffic and Engineering Services Section (Continued)*



*Celion Ethenol Plant*



*Salida Hulling street improvements*



*Aerial view of entire Celion facility*



*Valley Lexus street improvements*



# ENGINEERING SERVICES DIVISION

## *Traffic and Engineering Services Section (Continued)*

### Development Services

The Land Development and Plan Review Section of the Engineering Division of Public Works protects the County's interest by ensuring that the development and design of the public improvements are in compliance with Stanislaus County Standards and all applicable laws to provide for the greatest benefits to the public.

The Land Development and Plan Review Section of the Engineering Division provides the following services:

- Customer assistance to the public
- Review commercial and industrial projects
- Review road classifications
- Write Conditions of Approval
- Attend pre-design meetings
- Attend Planning Commission meetings
- Field services include data gathering, site review and verifying that right-of-way is sufficient for future road classification.
- Review roadway improvement: curb, gutter, sidewalk, and roadway design
- Review drainage for Road Improvements
- Review Subdivision Plans
- Verify that Subdivision Plans, Parcel Maps and Improvement Plans meet the Conditions of Approval approved by the County Planning Commission
- Index records, such as Improvement Plans, Subdivision Improvement Plans, Financial Guarantees, and Street Improvement Agreements



Angie Halverson



Judy Lindsay

# ENGINEERING SERVICES DIVISION

## Traffic and Engineering Services Section (Continued)

### Survey/Mapping

The Survey Section of the Engineering Division provides the following services:

- Field Services: Field services includes monument preservation, the establishing and preservation of the original monuments set by the Government Land Office (G.L.O.), data gathering for topographic surveys, right-of-way establishment/staking, and field inspections.
- Indexing: Records are indexed internally, such as benchmarks, certificates of correction, corner records, deeds and easements, and subdivision maps. Records are also indexed externally (via web site) such as records of survey, county surveys, subdivision maps and parcel maps.
- Map checking: Record of Survey and Parcel Map, all maps submitted to the Surveyors are recorded by this Division.
- Writing and Recording of Legal Descriptions
- Legal Description verification
- Drafting services
- Road Abandonment's
- Surveying and mapping all Township 2 South Range 12 East Mount Diablo Base and Meridian as a Record of Survey
- Public resource



### 2009 Accomplishments

- Maintained and preserved approximately 9,000 corner monuments
- Upgraded GPS Survey Mapping of the County
- 88 maps submitted for checking and recording
- Verified approximately 93 legal descriptions for LAFCO, Building Permits and Planning Department
- Recorded 14 County Records of Survey
- Processed nine Certificates of Compliance
- 26 Easement descriptions written/verified/recorded
- Boundary descriptions created for Empire CSA annexation
- 474 customer visits at our counter requesting Survey information



From left to right: Larry Fontana and Rich Brown.

### 2010 Goals

- Get new Survey truck on-line
- Work with California Land Surveyors Association (CLSA) to re-collaborate Stanislaus County's Survey Course

### Currently Working On:

- Update State Board of Equalization Maps
- Coordinate with the Design Section to create a CADD Standard for all drawings
- Continue to electronically archive survey records
- Continue to index archived documents to department web site

# ENGINEERING SERVICES DIVISION

## Traffic and Engineering Services Section (Continued)

### Traffic

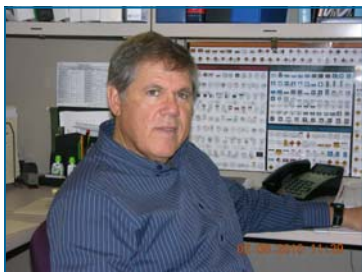
The Traffic Engineering Department works to maintain the capacity and safety of county roads. Duties include the design, installation and operation of all forms of traffic control devices, such as pavement striping, traffic signals, road signage and school zone flasher; review of construction plans to ensure proper traffic control, maintenance of traffic, and detour routing; and preparation of traffic studies to determine speed limit reductions and increases, four way stops, and traffic signal locations. The also evaluate new zoning and subdivisions that access county roads to determine if there will be impairments to roadway safety and efficiency.

Traffic and Engineering Services Division provides the following services:

- ◆ Identify and investigate for needed traffic improvements.
- ◆ Perform detailed traffic studies such as:
  - Signal installation
  - Multi-way stop
  - Speed zone studies
  - Signal installations
  - Striping and signing plans
- ◆ Prepare work orders as necessary to accomplish department functions.
- ◆ Review all public and private developments for compatibility with existing and planned street system.
- ◆ Write ordinances and resolutions to be approved by the Board of Supervisors.
- ◆ Yearly update state and federal funded programs such as:
  - Annual maintained mileage report to the Federal Highway Administration (FHWA)
  - Highway performance monitoring system
  - Federal aid at grade Highway Rail Crossing Program



Firoz Vohra



Bill Cardoza



Steve Song





*Gary Hayward, Manager*

## OPERATIONS DIVISION

### *Road Operations Section*

The Road and Bridge Operations Division of Stanislaus County is responsible for maintaining more than 1,600 miles of roadway. This includes drainage basins, bridges, tree maintenance, center and edge line striping, leg-end painting, weed abatement, shoulder and traffic sign maintenance.

During inclement weather you will find our crews in the rain, pumping storm water from flooded roads, placing warning barricades, closing roads or removing rockslides in Del Puerto Canyon.

We often work with emergency personnel at accident sites, spills clean up and debris removal.



From left to right: Randy Avants, Gary Hayward, Darren Teeples, Brian England, and James Woodhead.

### **2009 Accomplishments**

- Re-organized the Public Works Road Division. Customer service was improved by providing work team coverage 5 days a week. The department had worked a 4-day schedule since 1980.
- Reassigned a Road Supervisor to have his team concentrate on the storm drainage basin and pump station maintenance. Monitor billing and expenditures in the Community Service Areas and the Westley Triangle Landscape and Lighting District.
- Reassigned a Senior Maintenance Workers job activities to include being the safety representative in the Road Department. His duties include documenting weekly job site inspections, house keeping inspections, evacuation drills, scheduling tests and classes as well as his daily road maintenance assignments.
- Training staff on pumps maintenance to improve drainage pump maintenance and repairs. This will save money spent on outside agencies and improve response time.
- Improved the maintenance at the Westley Triangle Landscape and Lighting District. Removed and replaced dead trees and shrubs. Repaired the irrigation system.
- Supported the eight Municipal Advisory Committees by having a representative at the meetings to field concerns.
- Assisted the communities of Hickman, Waterford and Keyes with the Adopt a Road Program of cleaning litter from the road shoulders.
- Assisted the communities of Hickman, Denair and Ceres with a Neighborhood Watch Program.

## **OPERATIONS DIVISION**

### *Road Operations Section (Continued)*

#### **2009 Accomplishments (Continued):**

- Implemented a reimbursement program policy for when the Road Division is requested to participate with road closures for special events such as parades and festivals.
- Implemented a Drivers Log program to meet the requirements of the Department of Transportation.
- Continued and improved the equipment training rotation program for the employees. This program encourages training and increases the employees' knowledge in every function of the Road Division.
- Aggressively increased the shoulder maintenance program.
- Improved the surface of Tim Bell and Cooperstown dirt roads by adding grindings from the Town of Keyes re-development. This helps in dust control and surface structure.
- Placement of grindings or base rock on 20 miles of road shoulder to meet the San Joaquin Air Pollution requirements.
- Made an intersection improvement at Terminal and Claus Avenue resulting from bicyclists' complaints.
- Constructed 15 new vertical wells for storm flooding.
- Constructed 40 new French drains at various locations for storm flooding.
- Skip paved several bad sections of roadway at various locations.
- Aggressively worked on completing defects found on the Cal Trans Bridge Inspection Reports. The department repaired guard rails, decking, approaches, signage and removed underbrush and trees.
- Installed a chain link fence to be used as a safety barrier for pedestrians on the sidewalk on the Hatch Road overpass.
- Installed a chain link fence working on a co-op with property owners to keep vagrants from trespassing under the Mitchell Road Bridge.
- Used the grinder to remove several bumps and troughing areas at various locations in the county.
- Support the Public Works Construction and Design Teams by:
  - ◆ Completing road surface repairs prior to the slurry seal contract by skip paving, shoulder improvements and crack sealing.
  - ◆ Completing road surface repairs prior to and after the RSTP overlay contract, shoulder grading, drainage pipe replacement, storm drain installation, tree maintenance and skip paving.
  - ◆ Placement of safety barriers and legend painting on the Salida Boulevard project.
  - ◆ Temporary removal of the 4-way stop traffic beacon at Ladd and McHenry Avenue. Relocated and replaced with solar beacons on top of the stop signs during construction for the intersection improvement.
  - ◆ Placement of traffic control boards at various locations for the construction team.
  - ◆ Support the eight Municipal Advisory Committees.



*Grayson Grinding*



## OPERATIONS DIVISION *Road Operations Section (Continued)*



*Pirrone Nuisance Pump*



*Westley Triangle*

### *Wincanton Pond*



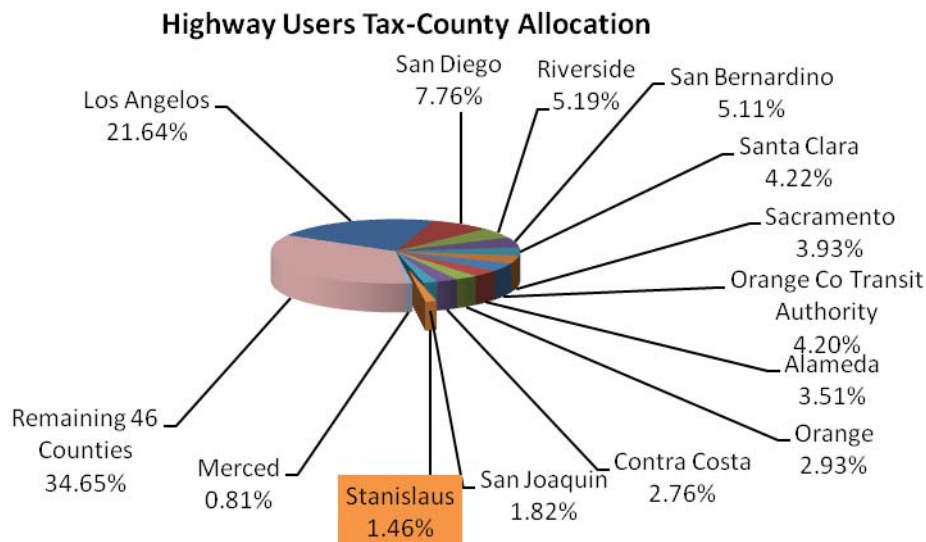
### 2010 Goals

- Continue daily weed abatement activities, weed spraying and mowing.
- Continue daily pothole patching.
- Continue daily sign maintenance and sign fabrication.
- Continue painting traffic legends and curbs as weather permits.
- Continue painting the center and edge line markings. The goal is half of the county every year.
- Dedicate an employee to work as a underground service locator, (USA).
- Include in our daily activities the placement of traffic counters in support of the Traffic Division.
- Develop a written program for the installation and reimbursement for Neighborhood Watch Programs. The goal is to have it on the Internet for public viewing, such as the Adopt a Road Program.
- Continue street light maintenance.
- Continue the rotation-training program for the employees.
- Continue to repair defects found listed on the Bridge Reports.
- Continue an aggressive shoulder maintenance program.
- Support the Construction and Design Teams with their projects.

**OPERATIONS DIVISION**  
**Road Operations Section (Continued)**

**Road & Bridge Operations Funding**

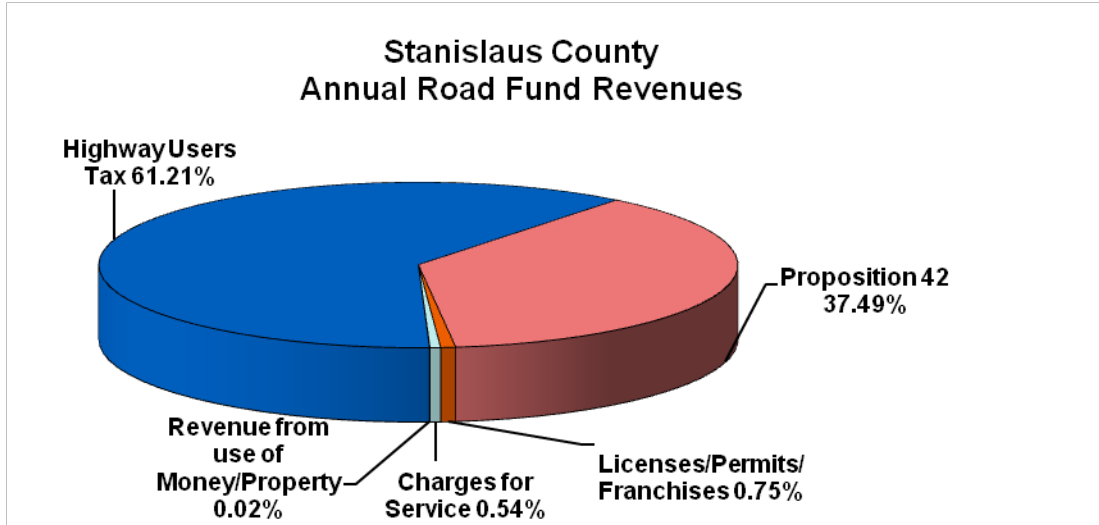
The Road Operations budget is funded primarily through the State Highway Users Tax Account (HUTA). For every gallon of motor vehicle fuel sold in California the state collects 18 cents of state fuel excise tax. Of those 18 cents, counties receive 3.23 cents. The apportionment to counties is based primarily on the County's share of registered vehicles and county road mileage. A small portion (less than 6%, or 1.04 cents) is allocated based on registered vehicles, assessed property valuation, and population.



Stanislaus County Public Works' portion of the total allocation is slightly less than 1.5%. Anticipated HUTA revenues for fiscal year 2009-2010 are just short of \$8 million. These funds support routine maintenance and operations such as signal lights, patching, drainage basins, bridge maintenance, tree maintenance, center and edge line striping, legend painting, weed abatement, shoulder maintenance, and traffic sign and signal maintenance.

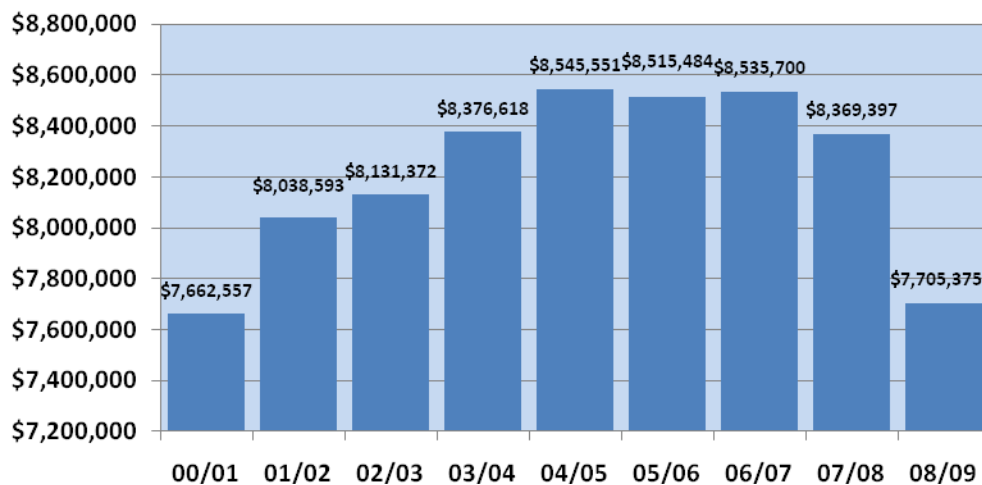
The other major source of revenue for Road Operations is Proposition 42 (Prop 42) funds. In March of 2002 voters passed Prop 42, a constitutional dedication of the sales tax revenues on gasoline for transportation purposes. Stanislaus County Public Works receives approximately \$4.9 million annually of Prop 42 funding. Due to escalating costs and reduced HUTA revenues, a large portion of Prop 42 funding supports road operations and maintenance. The chart below clearly demonstrates Stanislaus County's reliance on Highway Users Tax and Prop 42 funding to support Road Operations and Maintenance. Nearly 99% of funding comes from these two sources.

**OPERATIONS DIVISION**  
*Road Operations Section (Continued)*



Stanislaus County Public Works has not been immune to the ongoing economic crisis. Prior to fiscal year 2008-2009, Stanislaus County’s allocation of Highway User’s Tax (HUTA) experienced steady, if small, annual increases of approximately 2.5%. Fiscal year 2008-2009 saw approximately a 10% reduction in this source of income, regressing to the level of fiscal year 2000-2001. During that same time period employee costs increased by approximately 52%. One of the driving factors was a 150% increase in health insurance costs!

**Highway Users Tax (Gas Tax)**



## OPERATIONS DIVISION Heavy Equipment Shop Section



*Mel Eslinger, Manager*

Morgan Shop is an Internal Service Fund (ISF) operation that provides equipment and vehicles to other Public Works divisions, primarily the Road & Bridge Division. The user divisions pay a rental rate to Morgan Shop when using equipment and vehicles. Morgan Shop provides vehicle and equipment maintenance as requested to other County Departments. In addition, Morgan Shop assists with the research and procurement of vehicles and equipment for other County Departments. Morgan Shop also provides Compressed Natural Gas (CNG), unleaded, and diesel fueling to County Departments and CNG fueling to other local jurisdictions.

### 2009 Accomplishments

- Enhanced Accident Prevention Training for Road Personnel on Equipment Operation.
- Acquired Data for Air Resource Board Regulations for in-use off road diesel equipment.
- Purchased Compressed Natural Gas Vehicles “CNG” vehicles using CMAQ grant funds. (Currently Public Works owns 45 CNG, ranging in size from a small sedan to a 62,000 lbs. GVW unit.) Vehicles purchased included 4 Heavy Duty CNG Trucks: Water Truck, Spray Truck, Lube/Mechanic Truck, and Knuckle Boom Truck, and 6 Medium Duty CNG Trucks: Asphalt Patch Truck, Bobtail Dump Truck, Survey Truck, 2 Legend Trucks, and a Flatbed Dump Truck.
- Purchased a Diesel Road Grader and Pneumatic Tire Roller.
- Increased Training for Shop Personnel to enhance performance on Fuel and Fleet Maintenance Management Systems by sending them to the Assetworks User’s Conference in April of 2009.
- Developed a plan to fuel CNG vehicles in the City of Riverbank.
- Analyzed Off Road construction tires for increased performance and cost savings.

### 2010 Goals

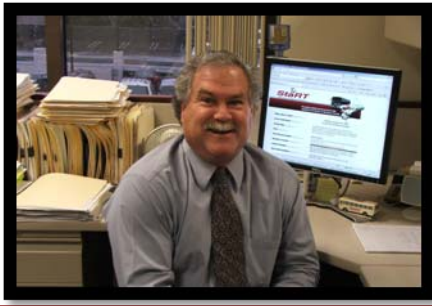
- Continue to enhance Accident Prevention Training for Road Personnel on Equipment Operation.
- Develop a Maintenance and Repair Plan for the 30 Storm Drain Pump Stations.
- Continue to maintain and comply with new and existing Air Resources Board Regulations on all affected equipment.
- Provide shop technicians with electrical training and requirements related to equipment.
- Purchase alternative fuel vehicles to include a Storm Drain Cleaner, Road Broom, Asphalt Roller, Bobcat, and Towable Air Compressor.
- Acquire 4 Message Boards for Traffic Control and Safety.
- Purchase 2 Diesel Particulate Filters for Off-Road Vehicles to upgrade older tier engines.
- Create an Operations Manual for Desk Procedures and Compressed Natural Gas Station (CNG).
- Evaluating the use of Bio-Diesel as an alternative fuel source.



From left to right (back row): Dave Stacy and Roger Nelson; (middle row) Olivia Tanner, Phil Harley, Rick McElligott, Mel Eslinger; (front row) Eddie Soares and Brett Ernest.

**OPERATIONS DIVISION**  
*Heavy Equipment Shop Section (Continued)*





*Brad Christian, Manager*

The Public Works Transit Division oversees the operation of Stanislaus Regional Transit (“StaRT”), the County’s intercity public transportation system.

StaRT operates thirteen different services, providing fixed route, deviated fixed route and demand response transportation to seventeen cities and communities and Medivan non-emergency medical transportation to Bay Area medical facilities.

The Transit Division, through Memorandums of Understanding, operates Dial-a-Ride services for the cities of Newman, Patterson and Waterford.

### *Service Area Map*



From left to right: Doralee Boles, Stacie Morales, Brad Christian, and Annette Borrelli.





**Did you know?**

- ◆ Did you know the Transit Division received three new Orion VII compressed natural gas buses that were put into service in spring 2009?
- ◆ Did you know that a recent countywide audit of County transit operators showed that the County's transit system, StaRT, was the only transit operation that showed a decrease in the cost per passenger ride over the last three years?
- ◆ Did you know that StaRT ridership was up 9.37% in FY 08/09, while the national average was down 0.14%?
- ◆ Did you know that according to the American Public Transit Association, the average household spends 18 cents of every dollar on transportation, and 94% of this goes to buying, maintaining, and operating cars, the largest expenditure after housing. Households that use public transportation and live with one less car can save on average \$9,000 every year.



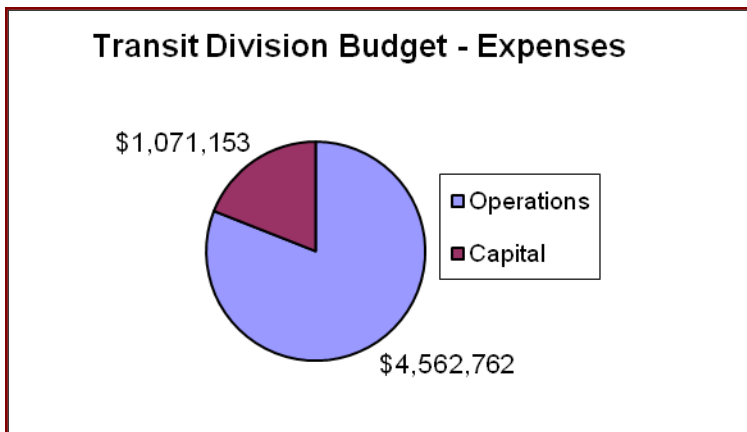
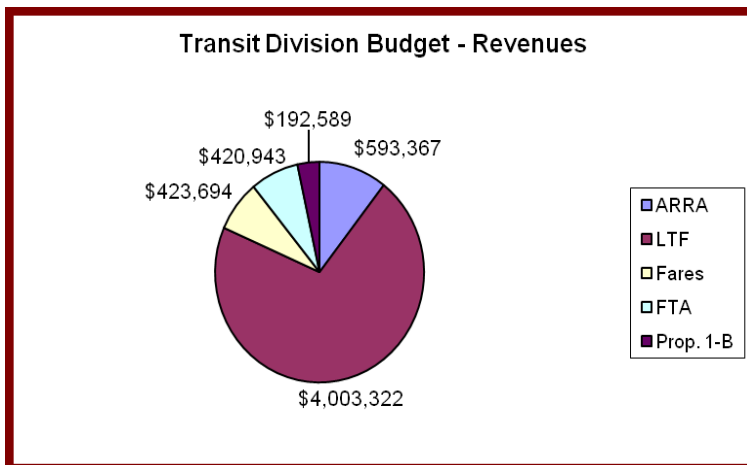
StaRT provides service to four area colleges.

# TRANSIT DIVISION (Continued)

FY 09/10 Transit Division budget is \$5,633,915 (\$4,562,762 operations and \$1,071,153 capital costs).

The funding sources are:

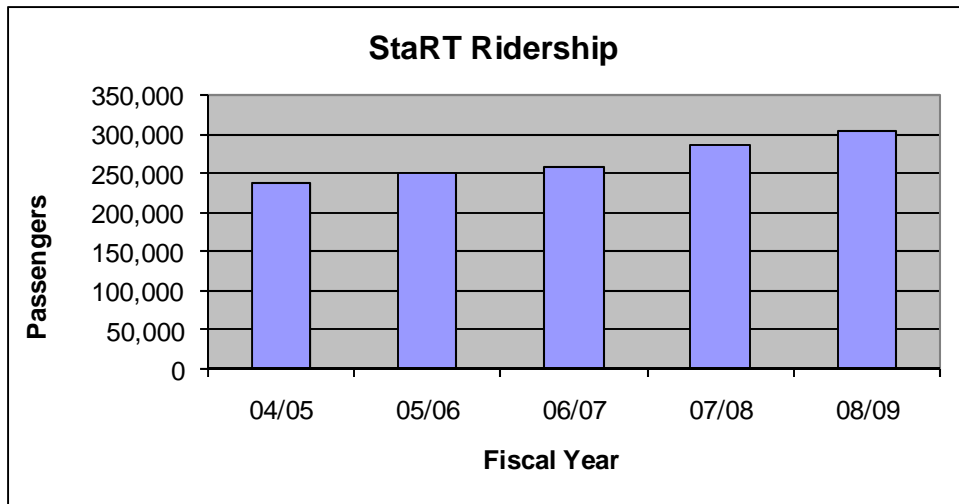
- ◆ Fare Revenues collected from services
- ◆ State Funds -
  - ✦ LTF – Transportation Development Act Local Transportation Funds - Derived from a quarter cent of the state sales tax
  - ✦ Proposition 1-B Transit Funds
- ◆ Federal Funds -
  - ✦ American Recovery and Reinvestment Act (ARRA) funds
  - ✦ Federal Transit Administration (FTA) –
    - 5311 –Federal non-urbanized area grant
    - 5311(f) – Federal Intercity grant
    - CMAQ – Federal Congestion Mitigation Air Quality grant



In FY 08/09, StaRT buses carried 20,111 bikes on its routes.

# TRANSIT DIVISION (Continued)

StaRT ridership has increased 32.79% in the last 5 years.



In FY 08/09, StaRT staff participated in over 28 public information events.





## SUPPORT SERVICES AND FINANCE DIVISION

*Diane Haugh, Assistant Director*

### Finance

The Finance Section is responsible for accounting, budgeting, contracting, accounts payable, accounts receivable, purchasing, and payroll. The employees in this division ensure that the Department is following all the County's financial policies, safeguarding public funds.

The finance division has six full-time staff overseeing Public Works \$71 million budget. They perform the day to day functions that keep the department running smoothly.

A few of this year's accomplishments are:

- Invoiced Caltrans a total of \$9,108,878 (\$7,626,719.39 for Road Project reimbursement and \$1,482,159.24 for Morgan Shop Heavy Equipment reimbursement).
- There were no major findings or recommendations for the Department's purchasing card audit of fiscal year 2008-2009.
- Improved the process for tracking of traffic sign inventory.
- Trained all the Engineering, Transit, Administrative, and GIS employees on self-entry of timecards into the cost accounting management system (CAMS). This was the first step towards integrating the cost system with the County's payroll system.
- Completed and submitted the 2008 Annual Road Report to the State. The annual road report must be submitted to the State by October 1<sup>st</sup> of each year. Stanislaus County submitted the report in mid August and was among the first to do so.
- Reviewed the revenue collection process and identified areas for improvement.
- Developed and submitted budgets for Public Works' seven budget units and provided quarterly updates.
- Provided periodic financial information to department managers.



Julie Serrano



From left to right: Jayne Sissle, Sharon Andrews and Diane Haugh.



Sherry May

# SUPPORT SERVICES AND FINANCE DIVISION (Continued)

## Support Services

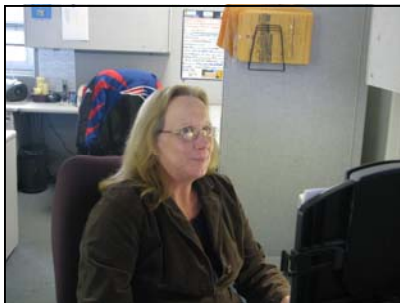
The Administrative Support Section provides clerical support to other Public Works' Divisions. Support staff is located at Tenth Street Place and the Morgan Road facility. Their role includes the preparation of Board agenda items, human resources, safety program strategic planning, answering phones, processing mail, and a variety of other miscellaneous but highly necessary tasks that ensure the Department operates smoothly.

In the past year these individuals:

- Processed 78 Board Agenda items.
- Conducted 4 recruitments.
- Processed new hire packets for 9 individuals.
- Logged and followed up on 1,289 customer comments and/or concerns through Stanislaus County's Customer Response Management System.
- Answered and routed approximately 12,936 phone calls.
- Distributed approximately 8,000 pieces of mail.



From left to right: Diane Haugh, Sylvia Jones, Letisia Corona, and Keimi Espinoza.



Lynn Atkinson



Linda Allsop



Janelle Godinez



Laura Janovich

The Public Works Safety Analyst is responsible for implementing the safety training, education and continued monitoring and updating of compliance mandates as set forth by Stanislaus County and Cal OSHA. This includes analyzing accidents and injuries to determine causation and implementing preventive measures and education to the employees of the Department of Public Works. The Safety Analyst works closely with the Safety Representatives of each Division to determine areas of needed training and education. This position was added to Public Works in 2006. Since that time there has been continued improvement in the Department's safety results.

Our Safety Record continues to improve. Fiscal year 2007-2008 was a huge improvement across the board over the previous year of 2006-2007. The year 2008-2009 continued our over all improvement trend in comparison to 2007-2008. If we continue the path we are on for this fiscal year, we will exceed all goals and expectations of the Department Action Plan for the year of 2009-2010.

We did show an increase of 5.83% in reference to the incurred cost for the injuries of 2008-2009 over 2007-2008. The number of injuries reported for our Department in 2007-2008 is 11, and it decreased down to 6 in 2008-2009 but the severity of one injury was the cause for the cost increase of 2008-2009. Our goal for fiscal year 2009-2010 is for injuries not to exceed 10 in number and the cost to not exceed \$100,000.00. The cost is a direct reflection of severity of the injuries sustained by the employees. We have three reported injuries to date for 2009-2010. All three of these injuries were minimal and all three employees were immediately released back to full duty.

These results are not only saving our Department money, but more importantly, increasing the quality of life for our employees and creating a more secure work environment in a time when it is most needed.



## Public Works Sets a Safety Record



Amazing feats are accomplished when people pull together. **We, the Department of Public Works, have accomplished setting an amazing record of 228 consecutive accident free days.** Each and everyone of us played an important role in achieving this record.

We remained accident free when temperatures were at their highest and morale was at its lowest. We paved where no man has gone before (or at least in ten years). We crunched numbers when things were soggy, and neither rain, nor fog could bog our buses down. Daily we are faced with challenges and exposures to danger and daily we defeat the odds and add to our existing record of consecutive days accident free.

We have received recognition from the Board of Supervisors (see certificate) and many departments within the County who want to know about our “Safety Incentive Program”. We have saved thousands of dollars for the Department, and in these times of economic crisis, that translates to jobs.

This kind of feat is only accomplished because we, as a team, pulled together and accepted the daily challenges with a safe approach. A gift card is an incentive, but to go home to our families safely is priceless.

### “Move Over” Law

With a new year brings new laws. There are more than 700 new laws being added to the list of “Can and Can’t Do’s” that will take effect as of January 1, 2010. In this ever changing world of mandates, regulations and laws, we are challenged to be law abiding citizens, and as Public Works employees, we should be role models of compliance to these laws and regulations.

There are actually two new “**Move Over**” laws that went into effect January 1, 2010, but a conditioning period of six months, has also been implemented. The first new law, SB 159, “When approaching an emergency vehicle or tow truck displaying emergency lights on the highway, motorists must slow down and move out of the lane adjacent to the emergency vehicle, if it is safe to do so.” Additionally, SB 240 expands the “**Slow Down and Move Over**” law to include Caltrans vehicles that are flashing amber lights.



We as Public Works employees know the dangers the roadways can bring. Many of our vehicles display flashing amber lights when parked on the shoulder as we respond to a variety of emergencies and carry out our daily duties. Possibly in the future there will be an additional SB bill to amend the amended SB 240 and include our Public Works vehicles in the list of “authorized” vehicles and the word highway will be amended to read “roadway”.

In the meantime...common sense should be your guide. Did you honestly think we would require a law that prohibits us from texting on our cell phone while traveling 65 miles per hour on the congested freeways that are constantly under construction, and shared with vehicles of all shapes and sizes?



## GEOGRAPHIC INFORMATION SYSTEMS DIVISION

*Peou Khiek, Manager*

The Geographic Information Systems (GIS) Division is a transforming technology allowing the County to view and analyze data from a geographic perspective. It can integrate different systems to save valuable resources and streamline workflow processes. Stanislaus County Public Works staff are responsible for, but not limited to the County's GIS basemap and layers. In addition, they also provide mapping services to other County Departments and agencies.

### **2009 Accomplishments**

- Web base Geographical Information Systems (GIS)
  - ✦ Parcel Inquiry
  - ✦ Stanislaus County Water Atlas
  - ✦ County Bridges
- Department of Environmental Resource (DER) GIS website
- Maps update for Stanislaus County Office of Education (SCOE), parcel, subdivision, and record of survey map layers, 2010 road projects, city council districts, county facilities, county pockets, north county corridor, Orestimba flood control, reclamation maps, duck blind maps, and Turlock Mosquito Abatement Districts maps.
- Update the Local Hazardous Mitigation Plan (LHMP) for Office of Emergency (OES) and CEO office
- GIS Governance Framework
- GIS support Capacity
- Share GIS resources
- Centralized GIS data repository and GIS servers
- Provide information, coordination, standards and maintenance for users
- Common content standards for geodatabase
- GIS Standards for spatial representation
- Direct access to Assessor's server (Megabit) for parcels information
- Communicate/share data with cities throughout Stanislaus County



From left to right: Roma Kahlon, Aron Harris, Peou Khiek, Bill Fischer, and Mike Wilson.

### **2010 Goals**

- Acquire stable, ongoing funding for GIS division
- Move existing 3x (Rex) applications to web base applications
- Move GIS infrastructure to one framework
- Formalize users group
- Develop website for Pavement Management System (PMS)
- Develop website for Maintain Mileage for Stanislaus County
- Development GIS poll locators for Elections' Office
- Further develop DER's GIS website
- Further enhance staff's skills in GIS (programming and software)



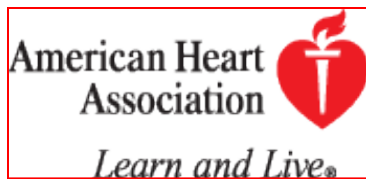


# COMMUNITY INVOLVEMENT

**LIVE UNITED** 

Public Works team members' generous pledges helped raise **\$1,034** during the 2009 United Way of Stanislaus County (UWSC) campaign. United Way of Stanislaus County offers a classic example of how powerful teamwork can be. Through a community-wide network of volunteers and donors, UWSC assures a wide range of health and human services are available to people who need them. As a UWSC contributor, each of us plays an important role in maintaining the health and quality of life in our community.

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Public Works has participated in the American Heart Association's Heart Walk since 2002. Walkers collect pledges to raise money for research, education and treatments of heart disease. The event consists of a 3.2 mile walk/run around the MJC east area of Modesto and includes lunch and entertainment for the walkers and their families. Since 2002, Public Works has raised \$17,782.77 for the American Heart Association.

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## Stanislaus Youth at Work Program



Careerquest, the youth program for Alliance Worknet, placed five young people with Public Works for the summer from June to August 2009. The program targets low-income youth, ages 17-24 who are parenting, high school dropouts wishing to return, or who are still in high school and need work experience to enter the workforce after graduation, or who are college students working to help pay for school. Four were assigned to the Morgan Road facility in Administration, Road Operations, Engineering, and Morgan Shop, and one was assigned to 10<sup>th</sup> Street Place in Administration. They were all greatly appreciated and we wish them well.



# COMMUNITY INVOLVEMENT

(Continued)



Mentoring makes a difference. In a letter from Kuljinder Sekhon, Principal at John Muir School, she states **“...the majority of students who were mentored last year, made significant gains on their 2009 State Testing scores.”** The program pairs County employees with students who need help with reading comprehension. The mentors spend a half hour with their protégées up to two times per week at the school. Public Works currently has two mentors participating in the program for the 09/10 school year: Sharon Andrews and Matt Machado. Since 2004, approximately 140 hours of service has been donated to the Employee Mentor program by Public Works employees.



On January 28, 2010 at the Martin Petersen Event Center, the Stanislaus County Employee Mentors and the United Way held their annual Mentor Celebration Event "Mentors Deserve a Day at the Beach". Matt Machado, Director of Public Works and the 2008 Mentor of the Year presented the 2009 Site Coordinator of the Year award to Public Works Employee Sharon Andrews.

Many thanks to the Rotary Club, United Way, Lions Club and the Stanislaus County Employee Mentors for providing service at the event. Thanks to Costco, Jack Frost, Safeway and many other local merchants for providing the food, and thanks to Ghirardelli, Gallo Winery, SCOE and the generous employees of Stanislaus County Planning and Public Works for providing funds and donations for the gift baskets drawing.

## Holiday Giving Event



Employees from Public Works, along with Planning, LAFCO, and the Auditor-Controller's Office chose Redwood Family Center as this year's recipient of their giving event. Redwood Family Center (RFC) is a live-in facility where women who are recovering from drug and alcohol addiction have an opportunity to be reunited with their children in a structured environment as they rebuild their lives and recover from the effects of a devastating disease.

RFC currently houses 24 women and 32 children. Employees chose a child's name, then donated cash or got to shop for a toy and an item of clothing. Every child was "adopted". Each child also received a stocking, and their moms received "pampering" items such as gloves, socks, and personal care items.

Non-perishable food was donated to help stock RFC's cupboards and excess cash was used to purchase a grocery gift card. Items were delivered to the Center on December 23, 2009. The employee response was heartwarming! I think we all experienced that the real joy of the season is in giving rather than receiving!

**Thank you to everyone who helped brighten the holidays for these children and their moms!**

**Department of Public Works**

**Email:** publicworks@stancounty.com

**Website:** www.stancounty.com/publicworks



**1010 10th St., 3rd Floor, Suite 3500, Modesto 95354**

Administration/Finance .....	525-6550
Fax .....	525-6507
Geographic Information Systems (GIS) .....	525-6550
Fax .....	525-6507
Permits (Encroachments) .....	525-7506
Fax .....	525-6507
Permits (Transportation) .....	525-7649
Fax .....	525-6507
Surveyor .....	525-6552
Fax .....	525-6507
Traffic .....	525-6550
Fax .....	525-6507

**1010 10th St., 4th Floor, Suite 4200, Modesto 95354**

Transit .....	525-6550
Fax .....	525-4332



**1716 Morgan Road, Modesto 95358**

Engineering (Design, Construction).....	525-4130
Fax .....	525-4188
Heavy Equipment Shop .....	525-4139
Fax .....	525-4168
Road Operations .....	525-4130
Fax .....	525-4140

You may also contact us by submitting your questions or concerns online at: [www.stancounty.com/publicworks](http://www.stancounty.com/publicworks) or by contacting Stanislaus County's assistance hotline at 1-877-2ASSIST (1-877-227-7478).



# STANISLAUS COUNTY BOARD OF SUPERVISORS



William O'Brien



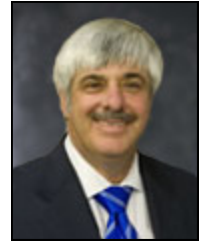
Vito Chiesa



Jeff Grover



Dick Monteith



Jim DeMartini

## STANISLAUS COUNTY SUPERVISORIAL DISTRICTS

- DISTRICT 1 WILLIAM O'BRIEN
- DISTRICT 2 VITO CHIESA
- DISTRICT 3 JEFF GROVER
- DISTRICT 4 DICK MONTEITH
- DISTRICT 5 JIM DE MARTINI

