



“In the Works”

Striving to be the Leading Public Works Department Through Innovative Stewardship of Infrastructure and Environment

Stanislaus County
Public Works

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Floods of ‘17

Submitted by Dave Leamon

We have had a very busy winter since the beginning of the year. We have worked a tremendous amount of overtime, approximately 2,000 hours! We manned barricades for hard road closures, cleared bridge debris, removed downed trees, repaired roads, pumped flooded roads, repaired scour damage, and filled at least 20,000 sand bags. We were busy!

Lake Road Scour Fix February 3-4, 2017



Bridge scour is the removal of sediment such as sand and rocks from around bridge abutments or piers. Scour, caused by swiftly moving water, can scoop out scour holes, compromising the integrity of a structure.

https://en.wikipedia.org/wiki/Bridge_scour

Lake Road Scour was at the bottom of the Turlock Irrigation District’s (TID) main canal and we slurried in approximately 100 yards of 3 sack slurry and 20 yards of 8 sack concrete.

(See pages 2 and 3)



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"Health & Safety Byte" A SINGLE SECOND

It takes:

A minute to write a safety rule.
An hour to hold a safety meeting.
A week to plan a good safety program.
A month to implement.
A year to win a safety award.
A lifetime to make a safe worker.
BUT it takes only a second to destroy it all—with one accident.

Safety is no accident!

Word of the Quarter Honesty

Ethics Quotes

Thomas A. Edison

“What you are will show in what you do.”



**Del Puerto Canyon – January 21, 2017
Debris and Rockfalls**

Every time it rains, it seems like we are up in the Canyon removing debris.



**Spencer and Welty at Hospital Creek –
January 22, 2017**

Hospital Creek flooded several times during the winter storms and we removed debris on this little bridge several times. Water completely covered Spencer Road downstream of this bridge.



San Joaquin River looking towards Los Banos and Merced County - February 16, 2017



Dave Leamon, Public Works Deputy Director, flew in the Sheriff's plane on February 16, 2017 as part of an Emergency Operations Center (EOC) flight to look at levees and flooding condition along the San Joaquin River. Per Dave, "Water was everywhere you could see. Seepage was evident along most of the levees that we saw, but we did not find any breaches that day."

Crows Landing at the San Joaquin River – Catfish Camp at Right – February 15, 2017

This is a picture from the upstream bank of the Crows Landing Road Bridge. Catfish Camp is flooded to the far right behind the trees.



7th Street Bridge / Zeff and River Road February 22, 2017

This was the high water mark of the Tuolumne River – Approximately 16,000 cubic feet per second (cfs) approximately 59' in elevation.



Shiloh Road Flooded

Water from the Tuolumne River during the same period overtopped Shiloh Road in several places.



Public Works' Quick Statistics— January 2017

Road closures—25

Tree calls—45

Rock & mudslides—
17 days of response;
multiple slides per
response.

Sandbags—8,000

We had multiple staff manning the Emergency Operations Center (EOC) for two weeks solid. Thanks to all those who helped, both inside answering phones, helping with timesheets, helping at the EOC, and inspecting bridges.

Thanks to the Roads Division, who worked day and night to help improve safety for the travelling public within our County. **GOOD JOB ALL!**

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Stanislaus County's Assistance Hotline:
 1 (877) 2ASSIST / 1 (877) 227-7478

Stanislaus Regional Transit



Transit Division's website is:
www.srt.org
 For route info call **StaRT** at
 1-800-262-1516

Stanislaus County Public Works
 Annual Report 2015

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Public Works' 2015 Annual Report is available online at the link below.

Created by Denae Davis
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<http://www.stancounty.com/publicworks/pdf/2015-annual-report.pdf>

 Follow us on Twitter @dpwmachado

KUDOS to Roads Crew

From Jim & Patti: We would like to thank your crew for the amazing job they did on our street. Their professionalism, politeness, and personal care to detail was extraordinary and greatly appreciated. Stanislaus County is very lucky to have these wonderful men working for them.

Five Tips for Staying Healthy During Changing Seasons and Wild Temperature Swings
 Submitted by Deborah Hawkins

- 1. Stay Hydrated:** While it is cool out and we are not sweating as much, we tend to cut back on how much water we drink as we are not as thirsty. You still need the water to not only stay hydrated; but to help flush toxins and absorb nutrients needed to stay healthy. *Quick Tip:* One of your body's warning signs that you're getting dehydrated is the feeling of fatigue, so take a quick break and enjoy a glass of water.
- 2. Personal Hygiene:** Wash your hands, cover your mouth. I really can't think of anyone that doesn't know about this advice, but it still is an important reminder. Along those lines, while those antibacterial quick shot products may be nice, it still doesn't beat actually washing your hands before eating or cooking. Oh and just because you don't think you might not sweat as much, a shower a day is still a good idea.
- 3. Eating /Cooking:** While taking a multi-vitamin and/or other vitamin supplements might help make up for snacking on sweets, chips, etc., nothing beats getting the vitamins needed via a well-balanced meal.
- 4. Dress for Success:** The best thing one can do when the weather starts changing is dressing in layers and removing them (or adding them) as conditions apply.
- 5. Don't be a hermit:** Make sure you exercise at least 30 minutes every other day. While sleep is necessary to staying healthy, so is keeping an active lifestyle and getting out.

<http://thehtrc.com/2011/safety-sunday-5-tips-staying-healthy-changing-seasons-wild-temperature-swings>

Public Works Staff Updates

New Employees:
David Hohu (Engineering Technician) joined our Surveyors Office on 2/21/17.
Luis Camarillo (Road Maintenance Worker I) joined our Roads & Bridges team on 3/6/17.
Brian Baca (Road Maintenance Worker I) joined our Roads & Bridges team on 3/20/17.

Welcome!

Births:
Joe Melo (Road Maintenance Worker III) has a daughter named Amelia born on 12/18/16.
Rick McElligott (Heavy Equipment Mechanic) has a granddaughter named Jade born on 1/15/17.
Sharon Andrews (Accounting Technician) has a grandson named Quin born on 1/30/17.
Eric Moore (Senior Road Maintenance Worker) has a son named Aiden born on 1/21/17.
Gus Farias (Road Maintenance Worker III) has a daughter named Faylyn born on 3/3/17.

Congratulations!

