



# Tulare Irrigation District Operation & Maintenance Report



2014 Quarter 3

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## **District Safety Program**

The District Superintendent continues to conduct a series of Tail-Gate safety meetings during the week to keep employees mindful of safety precautions and the proper operation of equipment. Safety meetings were conducted on:

- Powerful Protection with PPE
- Eye and Ear Protection Training
- Lighten the Load Training
- Ladder Safety

## **Maintenance Operations**

Under the direction of Wayne Fox, District Superintendent, staff addressed maintenance concerns throughout the District.

The major maintenance projects include:

- Monthly yard maintenance
- Removal of numerous field drains
- Dredging of Packwood Creek at Road 48
- Doze bottoms of ditches and canals
- Haul dirt and repair wash-ins
- Initiate grading on the northern section of the District

## **Vehicle Maintenance Program**

The Vehicle Maintenance staff (VM Staff) has been busy maintaining and repairing construction and maintenance equipment. The maintenance issues that have been addressed include:

- Performed yard cleaning and organizing
- Standard repairs on maintenance truck fleet
- Mount sloper on the rental grader
- Mount new large diesel tank on the service truck
- Standard service of construction equipment and trucks

## **Herbicide Application Program**

The Herbicide Application Staff (Herbicide Staff) has been working on applying herbicide chemicals to District canal embankments.

The following chemicals were used at the specified rates:

<b>Chemical</b>	<b>Rate</b>	<b>Units</b>
Finale	130	Quart
Milestone	7	Ounces
R.U. Custom	720	Ounces
Reward	894.25	Quarts
Roundup	1,004	Gallons

The Herbicide staff also sprayed the Evans Ditch Company canal system.

## **Construction Projects**

The District construction staff under the direction of Mr. Fox has been working on the following projects:

### **Mooney Grove Pedestrian Bridge**

- District staff was contracted to construct a pedestrian bridge in Mooney Grove Park.
- Staff constructed two reinforced concrete abutments. The bridge was pre-ordered, which required the staff to be very accurate in the placement of the abutments, reinforcement and mounting hardware.
- The bridge was delivered and fit directly into the mounting hardware without any adjustment or force.

### **City of Tulare Stormwater Basin Work**

- District Superintendent worked with the District Engineer to prepare cost estimates and schedules.
- Initial steps involved pumping out the basins and assessing the improvements necessary.
- Removal of vegetation, which often included trees and shrubs.
- Shaping of basin slopes, roadways and bottoms.
- Installation of concrete structure and canal gates.
- Herbicide application to reduce weed growth after work was complete.

## **Pictures**



Mooney Grove pedestrian bridge abutments.



Sunrise Basin weed removal.



Sunrise Basin outlet structure and post cleaning.



Finished Mooney Grove bridge abutment.



Extra excavation ordered by the City of Tulare at Orange Street stormwater basin.





Mooney Grove pedestrian bridge backfill and compaction.



City of Tulare stormwater basin gate installation and operation.



Mooney Grove pedestrian bridge placement.



Main Canal dozing operations.



City of Tulare stormwater basin weed clearing and grading operations.



City of Tulare stormwater basin tree clearing operations.



Grading operations in northern areas of District.



Tractor and scraper used to remove surface weeds.



Pumping operations at City of Tulare stormwater basin.