



RESOURCE MANAGEMENT AGENCY

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REED SCHENKE, DIRECTOR

MICHAEL WASHAM, ASSOCIATE DIRECTOR

March 5, 2021

Supervisor Larry Micari, (District One)
Supervisor Pete Vander Poel, (District Two)
Supervisor Amy Shuklian (Chair) (District Three)
Supervisor Eddie Valero (District Four)
Supervisor Dennis Townsend (District Five)
Jason Britt, CAO
2800 W. Burrel Ave.
Visalia, CA 93291

Dear Supervisors and Mr. Britt:

The Public Works Branch of the Resource Management Agency (RMA) respectfully submits the following report to you to document the progress in the branch for the month of February 2021.

Harvest Avenue Project Complete

In February crews completed the Harvest Avenue Project. The project consisted of sidewalk and roadway improvements between Avenue 304 and Avenue 308 in the Community of Goshen. These improvements included the installation of 1,800 feet of new roadway consisting of two 12-foot travel lanes and 8-feet of paved shoulder adjacent to each lane. In addition, the project included new storm drainage installations as well as ADA sidewalk and curb ramp improvements which now provide a continuous path of travel for pedestrians along the entire route. This necessary project was developed as a solution to increase mobility options that were impacted by the recently completed Betty Drive Interchange project.



Not only was this project completed within the allotted construction time, it was constructed below the awarded project budget. This project was funded utilizing Measure R funds. The timing of this work was coordinated in a

way that storm drainage and sewer lines were installed in preparation of the proposed Cross Creek housing development which will be installed north of Harvest Avenue between Road 63 and Road 64. The completion of this project has improved connectivity through the community of Goshen and has greatly improved the condition of the roadway.

Development of Road 64 in Goshen Progresses

Another project in Goshen related to the Betty Drive Interchange project that is underway is the Road 64 Improvement Project. This project will reconstruct and widen the segment of Road 64 between Route 198 and Avenue 304. The project would reconstruct the existing two-lane undivided, 24-foot wide pavement section to a two-lane undivided, 32-foot wide pavement section. The public right of way would be expanded from an existing width of 40' to an overall width of 80' to accommodate roadside drainage, clear recovery, and utility poles.

The project would accommodate anticipated traffic increases resulting from the construction of the new Route 99/Betty Drive interchange, and the reconfiguration of local streets in the Goshen community. The improvements to Road 64 will provide regional access between Route 198 and Route 99, as well as linking the community of Goshen to the highway network. On the north end, the project will tie into Avenue 304, connecting to the recently improved section of Road 64/Road 63 continuing north from Avenue 304. The intersection of Road 64/Avenue 304 would be converted to an all-way Stop. On the south end, the Road 64 approach to Route 198 would be widened to accommodate separate left and right turn lanes, consistent with the recommendations contained in the Goshen Community Plan Traffic Study.

The design is currently in the ninety-percent development phase, environmental clearance for the project has been cleared (CEQA), and the right of way appraisal/acquisition process is in the beginning stages. The project is currently partially funded through development trust funds and local road funds. Other funding sources are being considered to fully fund the project through construction. The preliminary construction cost estimate is \$3.23 million.

Storm Response and SQF Complex Fire Burn Scar

Staff continue to participate in the SQF Complex Recovery with other County agencies and outside stakeholders. As part of the recovery efforts, staff have been working to monitor the burn scar and storm impacts to it more closely than would be typical for the area. The SQF Complex Fire created an increased risk of flash floods and debris flows in and around the burn scar, which may impact our mountain communities and infrastructure. Staff continue participating in the statewide taskforce led by CalOES on Debris Flows and Watersheds.



Staff previously worked with the National Weather Service, Caltrans, CHP, and others to prepare a response plan to reduce risk and close roads when heavy rain is forecast. This plan did not need to be implemented during February, as no storms were predicted to reach the thresholds required for action. However, a small mud slide or debris flow occurred as a result of a storm the weekend of February 13th. This occurred along Wishon Dr and did not damage the road or cause injury, but it blocked a few culverts and washed out the inlet of one culvert. Crews were able to unclog the culverts and regrade the area the following week. All material was kept on site and the area was regraded as necessary to reestablish drainage.



MANAGEMENT GROUP 1:

Highlight of work performed by Management Group 1 for the month of February are as follows:

ROAD MAINTENANCE

Work Performed	LAST Month Total	THIS Month Total	Percent Increase/Decrease(-) from Prior Month
Potholes Patched	11440	42120	268%
Shoulder work (Lane miles)	143	69	-52%
Blade Patches (Miles)	0	0	0%
Bridges maintained	2	27	1250%
Constituent requests	79	68	-14%
After hour Call-Outs	7	14	100%

Graphs showing a comparison of the work performed between 2020 and 2021 by the Roads Department is attached at the end of this report.

ROAD DISTRICT 1:

Activities in February include:

- Performed 20 miles of shoulder work at 5 locations throughout the road district;
- Completed about 5 days of snow removal;
- Debris flow cleanup after a rainstorm to unclog culvert pipes on Wishon Drive between Mileposts 1 and 4 due to the SQF Complex fire;
- Worked with the Mountain Home crew to clear brush and weeds for 9 days at 3 locations including M172A from Highway 190 to Highway 190;
- Cleared rockslides on the Western Divide, Camp Nelson area, Balch Park Road, and Bear Creek Road



ROAD DISTRICT 2:

Activities in February include:

Performed 16 miles of shoulder work throughout the road district;



- Continued to use our Sweeper to sweep communities throughout the County;
- Performed ponding basin brush clearing for 5days.

Continued to clean drains, check on lift pumps and areas prone to flooding before and during a weather events:



Continued to repair slope and foundation erosion adjacent to Homeland Canal Bridge on Road 40 and Avenue 80



Continued the task of pothole patching



ROAD DISTRICT 4:

Activities in February include:

- Performed 10 miles of shoulder work throughout the road district;
- Trimmed trees overhanging the roadway at 7 locations;
- Assisted Code Compliance in the removal of an abandoned trailer on St Johns Road (Road 220) north of Avenue 344:



Cleared shoulders of excess vegetation at various locations within the district:





Repaired washouts at various locations within the district:

ROAD DISTRICT 5:

Activities in February include:

- Performed 23 miles of shoulder work throughout the road district
- Performed 7 days of culvert pipe cleaning/maintenance using our Vac truck and 6 days of brush clearing:



TRAFFIC CONTROL:

Activities in February include:

SIGN MAINTENANCE

Work Performed	Last Month Total	This Month Total	Percent Increase/Decrease(-) from Prior Month
New signs installed	26	67	158%
Routine maintenance of signs	83	181	118%
Vandalized signs repaired/replaced	153	199	30%
Worn traffic signs repaired/replaced	54	278	415%
Miles of Road striped	14	0	-100%
Stencils installed (Sq ft)	360	216	-40%
Traffic signal/light repair	5	3	-40%
Illegal signs Removed from Right of Way	5	10	100%

- Replaced signs within the SQF burn scar areas at Cedar Slopes, Alpine Village and Redwood Drive:



- New Board approved sign installation at the intersection of Road 194 and Avenue 184;
- There were 10 after-hour calls for downed signs or signal malfunction.

Installed constituent requested Pedestrian and curve signs and repainted pavement markings along the east frontage road of State Route 99 at the vicinity of the pedestrian crossing in Teviston:



TRAFFIC DIVISION:

- Staff reviewed constituent requests for Stop signs, speed advisories, etc. as they were received;
- Reviewed uncontrolled “T” intersections in need of STOP sign installation around the County;
- Began updating Speed Zone Engineering Traffic Study worksheets to prepare for Speed Studies;
- Investigating the installation of Stop signs at three locations along Pleasant Oak Drive;
- Investigating the request for a No Passing zone at Road 196 between Avenue 296 & Avenue 300 n/o Exeter;
- Reviewing a constituent request for streetlights located south of Lindsey on Orange Belt.

SAFETY:

- For the month of February there was only one claim filed through Risk Management during this reporting period;
- Four CMW’s were DOT drug/alcohol tested. One new CMW added to the DOT program for testing;
- Conducted the following:
 1. Visited to each road yard to ensure construction and COVID-19 safety protocols are being followed;
 2. Safety inspection at road yards 1, 4 and 5;
 3. Relias Sexual Harassment training for Shop personnel;
 4. Flagger certification for 18 Construction Maintenance Workers (CMW);
 5. Safety inspection for various project locations in the field:



ENCROACHMENTS:

ENCROACHMENTS

Work Performed	Last Month Total	This Month Total	Percent Increase/Decrease(-) from Last Month
Photos taken for encroachments, collisions, etc.	65	98	51%
Calls of complaints, violations	18	17	-6%
Encroachments cases opened - Letters sent	3	7	133%
Encroachment cases closed due to compliance	1	3	200%
After hour alarm calls for road yards	3	5	67%
Miles driven to patrol roads	1651	2147	30%

Encroachments within the right-of-way were addressed as follows:

- Received 5 after-hour calls for tripped alarms;
- Tree encroachment compliance at Avenue 140, east of Road 284:



BEFORE



AFTER

Tree encroachment compliance at Avenue 276, east of Shirk Road:



BEFORE

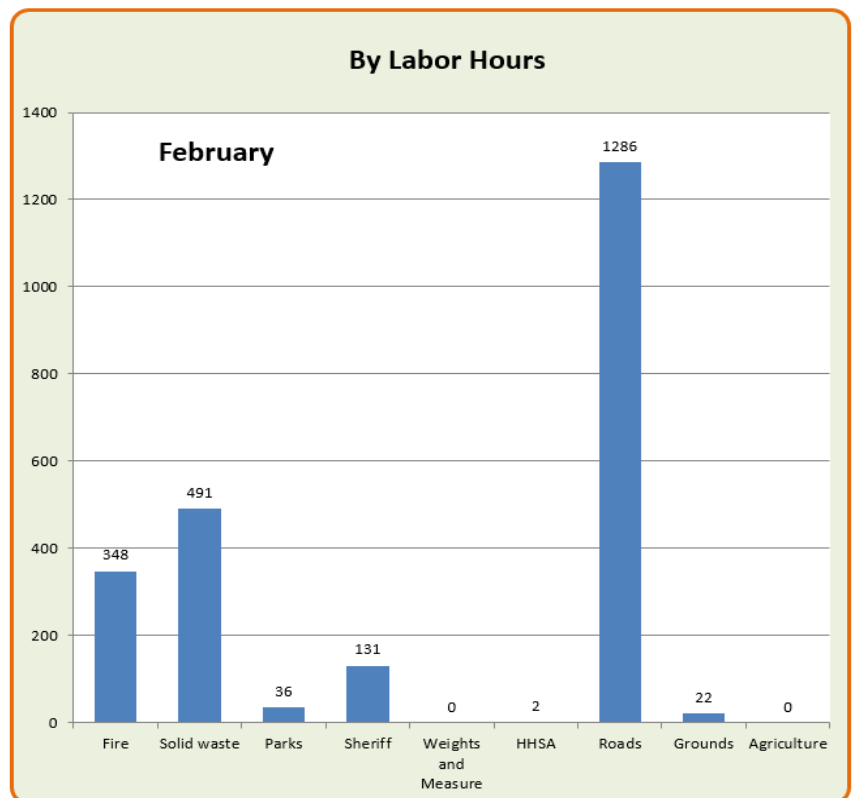


AFTER


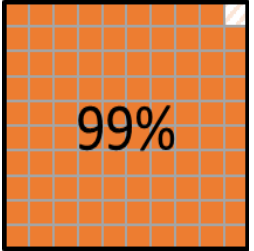

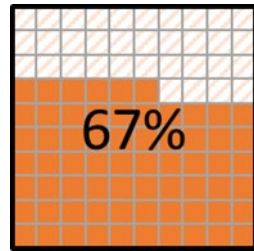

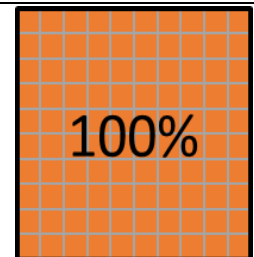
HEAVY EQUIPMENT MAINTENANCE DIVISION:


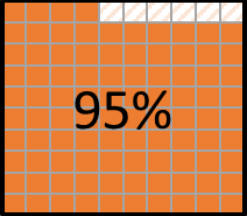

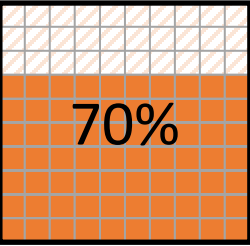
For the month of February, the Heavy Equipment Shop maintained various pieces of equipment for 7 agencies completing 306 work orders for a total of 2,316 hours as shown in the chart below:


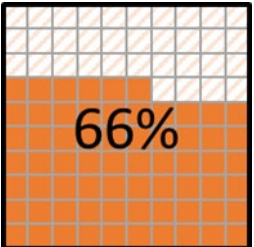

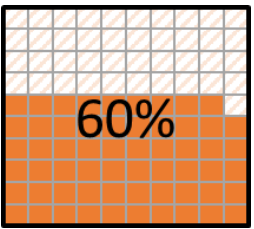
Agency	Work Orders	Labor Hours
Fire	31	348
Solid waste	53	491
Parks	7	36
Sheriff	7	131
Weights and Measure	0	0
HHSA	2	2
Roads	204	1286
Grounds	2	22
Agriculture	0	0
Total	306	2316


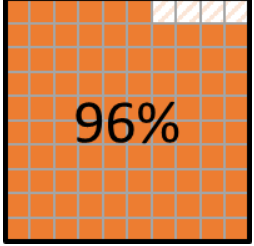

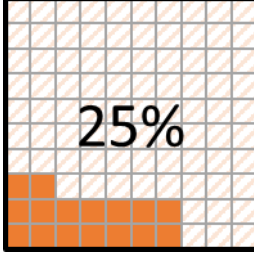

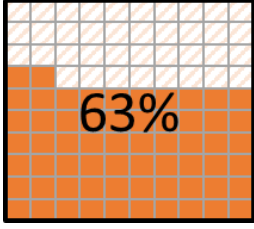



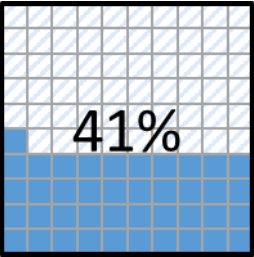

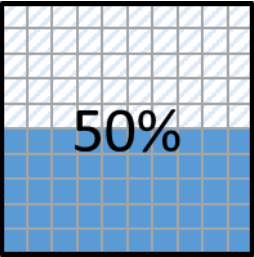



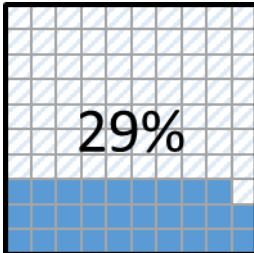

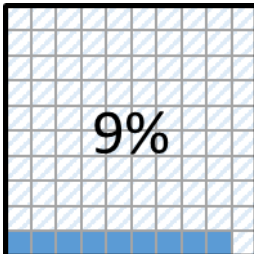
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Yetterm-Seville Water System Improvements – Phase 1  New Booster Pump Assembly	District: No. 4 - Eddie Valero Division: MG 3 – Special Projects Designer: Provost & Pritchard Contractor: Brough Construction, Inc.	Replacement water distribution system for the Community of Seville, including a storage tank, water meters, and appurtenances. Funding: Prop 1 (California Water Resources Control Board)	<ul style="list-style-type: none"> A 30-day performance period has been completed. Equipment performed well during that time. The new tank site is operating normally. The last of the punch list items of work are being completed by the contractor. 	Budget: \$ 3,208,508 Award: \$ 3,381,433 CO's to Date: \$ 133,514 Total Contract: \$ 3,342,022 Payments: \$ 3,323,519 Last Payment: 05/01/2020	 99% Expected Completion: June 2020 Design R-O-W Const.
2020 RRAA Project 2  Striping being place on D122 following paving operation, looking north.	District: Nos. 2 & 5 Division: MG2 – Roads Designer: Tulare County RMA Contractor: Teichert Construction	Project consisting of asphalt resurfacing on the following roads: Avenue 184, Turner Drive, Avenue 56, Avenue 96, Avenue 95, Road 208, and D 238 Funding: Local County Road Funds (SB1)	<ul style="list-style-type: none"> Contractor has completed all work on project locations 1 (Ave 184), 2 (D122), 3 (Ave 56), and 4 (Ave 56). Contractor has requested temporary suspension of the project as a result of decreased temperatures. Work is scheduled to resume on March 15th. 	Budget: \$ 4,930,700 Award: \$ 4,684,000 CO's to Date: \$ 0 Total Contract: \$ 4,930,700 Payments: \$ 3,121,890 Last Payment: 11/23/20	 67% Substantial Completion: March 2021 Design R-O-W Const.
Harvest Avenue Improvements Project  Completed Harvest Avenue Looking West	District: No. 4 – Eddie Valero Division: MG2 – Design & Construction Designer: RMA - Public Works Contractor: R.J. Berry Jr., Inc.	Roadway, sidewalk, and drainage improvements along Harvest between Road 64 and Diagonal 68. Funding: Sales Tax Measure R	<ul style="list-style-type: none"> All work complete and project has been accepted as substantially complete by Engineer on 6/19/20. 	Budget: \$801,183 Award: \$ 751,127 CO's to Date: \$ 2,059 Total Contract: \$ 801,183 Payments: \$745,703 Last Payment: 1/05/2021	 100% Substantial Completion: December 2020 Design R-O-W Const.

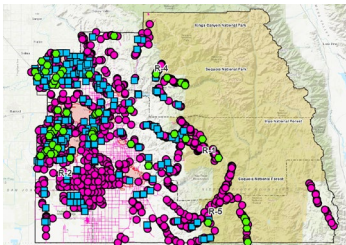
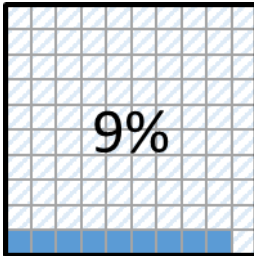

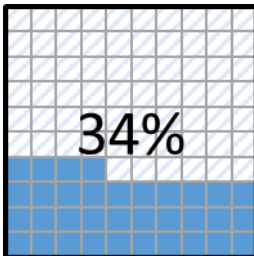

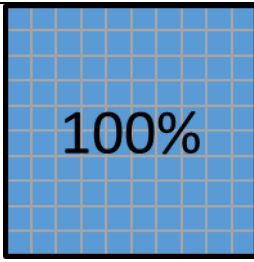
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
CNG Fueling Facility at TOMF  <p>TCAG Bus fueling during commissioning of compressor. Photo taken from fueling yard looking west.</p>	District: No. 2 - Pete Vander Poel Division: MG3 – Special Projects Designer: Arrington Watkins Architects Contractor: Hobbs Construction	New fueling facility at the nearly completed Transit Operations and Maintenance Facility (TOMF) for use by the Tulare County Area Transit (TCaT) bus fleet. Funding: Federal (CMAQ) and Local (Measure R, Other County Funds).	<ul style="list-style-type: none"> • Work substantially complete. • Compressor and fueling equipment have all been installed and gas service connection has been established. • Completion is pending final commissioning of equipment. Contractor has encountered an issue with gas service being provided to site by utility. County actively working with Contractor and Utility to resolve. 	Budget: \$ 2,635,010 Award: \$ 2,497,629 CO's to Date: \$ 12,591 Total Contract: \$ 2,497,629 Payments: \$ 2,372,924 Last Payment: 6/30/2020	 <p>95%</p> <p>Expected Completion: May 2021</p> <p>Design → R-O-W → Const.</p>
M348 South Fork Kaweah River Bridge  <p>Bridge Girder Erection</p>	District: No. 1 – Larry Micari Division: MG2 – Design & Construction Designer: Quincy Engineering Contractor: Agee Construction Co.	Replacement of existing one-lane bridge with wider one-lane bridge. Located on M348 over S. Fork Kaweah River near South Fork Campground. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> • In February the bridge deck was poured, the barrier rail reinforcement was placed, and roadway fill material was imported. • The roadway approaches and concrete barriers will be completed in the month of March. The contractor also plans to demolish the existing truss bridge. 	Budget: \$ 3,825,031 Award: \$ 3,630,982 CO's to Date: \$ 0 Total Contract: \$ 3,630,982 Payments: \$ 1,543,798 Last Payment: 02/28/2021	 <p>70%</p> <p>Expected Completion: Fall 2021</p> <p>Design → R-O-W → Const.</p>


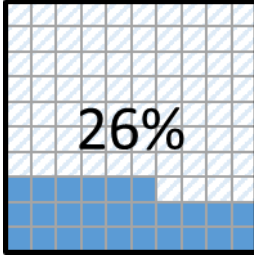

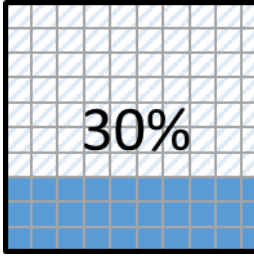
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Community Accessibility Enhancement Project 2.0  <p>Completed curb ramp and HMA paving in the community of Ivanhoe</p>	District: Nos. – 2, 4, & 5 Division: MG2 – Design & Construction Designer: RMA - Public Works Contractor: Witbro, dba. Seal Rite Paving and Grading	Pedestrian Improvements in the communities of Terra Bella, Ivanhoe, Pixley, and Cutler Funding: Sales Tax Measure R	<ul style="list-style-type: none"> Work in the communities of Pixley, Terra Bella, and Ivanhoe has been completed. Due to winter weather conditions, contractor has requested temporary suspension of the project before completing work in Cutler. Contractor will resume work on the project in mid-March 	Budget: \$ 407,943 Award: \$ 376,613 CO's to Date: \$ 0 Total Contract: \$ 407,943 Payments: \$ 268,264 Last Payment: 12/31/20	 <p>66%</p> <p>Expected Completion: March 2021</p> <p>Design → R-O-W → Const.</p>
East Orange Avenue (John J. Doyle Elementary) Pedestrian Crossing Enhancements Project  <p>Photo of Midblock Crossing along East Orange Avenue.</p>	District: No. 5 – Dennis Townsend Division: MG2 – RMA-Roads Designer: Tulare County RMA Contractor: Don Berry Construction Inc.	Install pedestrian crossing which will include: ADA ramps, sidewalk extension, RRFB system, advanced warning beacons, and 2,200 LF of centerline striping. Funding: Federal (HSIP).	<ul style="list-style-type: none"> Work on the project began on 2/2/2012. By the end of February, the Contractor has completed all concrete and asphalt improvement work. Work remaining on site includes striping, pavement markings, signs, and installation of Flashing Beacon System. 	Budget: \$ 104,247 Award: \$ 94,770 CO's to Date: \$ 0 Total Contract: \$ 104,247 Work Complete: \$ 56,521 Last Payment: N/A	 <p>60%</p> <p>Expected Completion: April 2021</p> <p>Design → R-O-W → Const.</p>


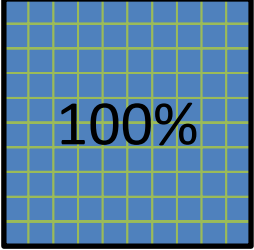
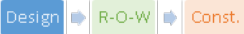

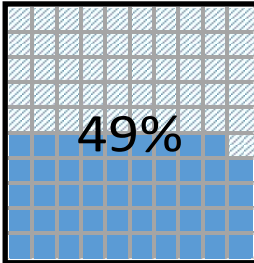


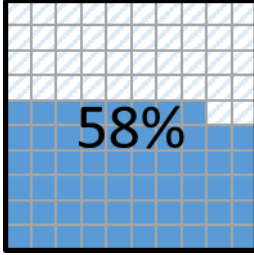
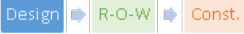
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Navigation Aids at Sequoia Field Project  <p>PAPI installed near Sequoia Field Runway</p>	District: No. 4 – Eddie Valero Division: MG3 – Special Projects Designer: Wadell Engineering Corporation Contractor: Kobo Utility	Installation of Precision Approach Path Indicator (PAPI) and Runway End Identification Lights (REIL) at Sequoia Field Airport. Funding: FAA Airport Improvement Program grant, Caltrans Division of Aeronautics Matching Grant and Local Match Funding	<ul style="list-style-type: none"> Staff are scheduling final flight check/inspection and expect to closeout out the project quickly following scheduling. An AI was submitted for the March 2 BOS meeting to approve a flight check agreement with the FAA. 	Budget: \$ 363,586 Award: \$ 323,870 CO's to Date: \$ 0 Total Contract: \$ 323,870 Payments: \$ 311,510 Last Payment: 12/2/20	 <p>96%</p> <p>Expected Completion: April 2021</p>
Avenue 392 Sand Creek Bridge  <p>Elevation photo of the bridge</p>	District: No. 4 – Eddie Valero Division: MG2 – Design & Construction Designer: NCM & RMA - Public Works Contractor: Viking Construction	Replacement of the existing functionally obsolete two-lane bridge with a new two-lane bridge. Located on Avenue 392 over Sand Creek, 0.4 miles east of Road 108. Funding: Highway Bridge Program (HBP) – Federal.	<ul style="list-style-type: none"> Construction contract awarded and approved by the Board on December 8, 2020. In February construction initiated. The existing bridge was demolished, and all foundation piles were installed. In March, abutments and superstructure falsework will be constructed. 	Budget: \$ 2,600,000 Award: \$ 1,564,956 CO's to Date: \$ 0 Total Contract: \$ 1,564,956 Payments: \$ 566,330 Last Payment: 02/28/21	 <p>25%</p> <p>Expected Completion: Summer 2021</p> <p>Design → R-O-W → Const.</p>
Earlimart Sidewalk Improvements Project  <p>Completed sidewalk and paving work on State Street, looking north.</p>	District: No. 2 – Pete Vander Poel Division: MG2 – Design & Construction Designer: RMA - Public Works Contractor: Witbro, DBA. Seal Rite Paving and Grading	Pedestrian Improvements along State St. (between Sutter and Sierra) and Washington/Church. Funding: Active Transportation Program (ATP).	<ul style="list-style-type: none"> All concrete and paving work on Washington Avenue has been completed. Contractor placed curb and gutter on west side of State Street and is currently working on sidewalk and paving preparation. Project was placed on temporary suspension at the request of the contractor. Work scheduled to resume in March 2021. 	Budget: \$ 990,836 Award: \$ 931,749 CO's to Date: \$ 34,955 Total Contract: \$ 990,836 Payments: \$ 608,127 Last Payment: 12/31/20	 <p>63%</p> <p>Expected Completion: April 2021</p> <p>Design → R-O-W → Const.</p>


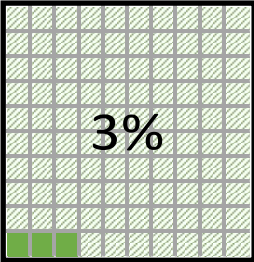

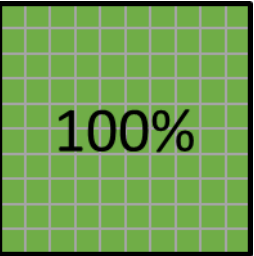

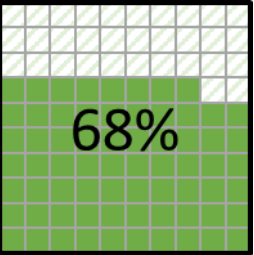
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 376 Traver Canal Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: Cornerstone Structural Eng. Group Contractor: TBD	Replacement of existing structurally deficient two-lane bridge with wider two-lane bridge. Located on Avenue 376 over Traver Canal, 0.25 miles east of Road 40. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> Environmental studies ongoing and NEPA clearance anticipated summer 2021. In January project Type Selection Memorandum was finalized and submitted to Caltrans for approval. In February, staff met with consultant team to discuss project progress and schedule updates. 	Design: \$ 500,000 Expenditures: \$ 284,211 Other Phases: Right-of-Way: \$ 100,000 Construction: \$ 1,100,000	 Expected Completion: Fall 2022 Design → R-O-W → Const.
Avenue 428 Sand Creek Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: TRC Companies Contractor: TBD	Replacement of the existing structurally deficient two-lane bridge with a new two lane bridge. Located on Avenue 428 over Sand Creek, 0.25 miles east of State Route 63. Funding: Highway Bridge Program (HBP) – Federal.	<ul style="list-style-type: none"> Environmental studies ongoing. NEPA clearance anticipated spring 2021. In February staff continued coordination with Utility companies for necessary relocation. Additional field surveys to be conducted during month of March for additional ROW needs. 	Design: \$ 605,000 Expenditures: \$ 348,542 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 2,400,000	 Expected Completion: Fall/Winter 2022 Design → R-O-W → Const.


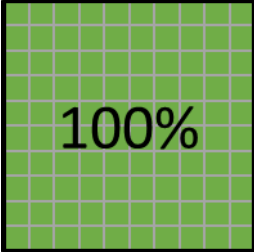

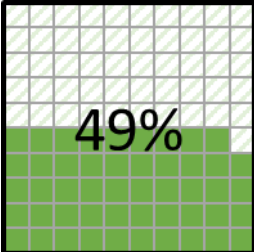

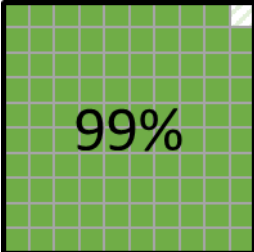
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Bridge Preventive Maintenance Program Group 1  Road yard crew spraying methacrylate overlay on Road 80 (2014)	District: Countywide Division: MG2 – Bridges Designer: Tulare County RMA Contractor: TBD	Application of methacrylate overlay (concrete deck sealant) treatment to 12 bridges located throughout County. Funding: Highway Bridge Program (HBP) – federally funded & Measure R (TCAG)	<ul style="list-style-type: none"> Staff performing design in-house. In February 35% (preliminary) design continued. In April staff will initiate procurement of on-call environmental consultant for NEPA clearance. 	Design: \$ 238,200 Expenditures: \$ 78,555 Other Phases: Right-of-Way: \$ N/A Construction: \$ 985,800	 29% Expected Completion: Fall 2022 Design → R-O-W → Const.
Bridge Preventive Maintenance Program Group 5  Photo of typical pier footing damage due to scour	District: Countywide Division: MG2 – Bridges Designer: Tulare County RMA Contractor: TBD	Application of scour countermeasures to piers, abutments, and other areas of 24 bridges affected by scour located throughout County. Funding: Highway Bridge Program (HBP) – federally funded & Measure R (TCAG)	<ul style="list-style-type: none"> In February staff continued preparation of RFP needed to procure design contract for project. RFP advertisement anticipated April 2021 with contract execution anticipated summer 2021. 	Design: \$ 898,700 Expenditures: \$ 45,88 Other Phases: Right-of-Way: \$ N/A Construction: \$ 3,668,300	 9% Expected Completion: Fall 2023 Design → R-O-W → Const.


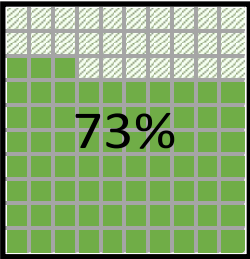

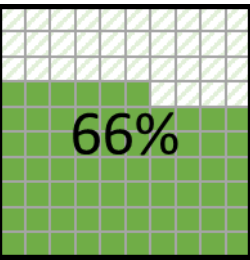

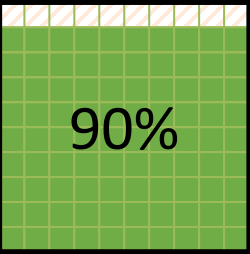
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Bridge Preventive Maintenance Plan for Bridges Under 20 Feet  County Map with all bridges under 20 feet	District: Countywide Division: MG2 – Bridges Designer: Tulare County RMA Contractor: TBD Designer: NCM Engineering Contractor: TBD	Application of scour countermeasures to piers, abutments, and other areas of 24 bridges affected by scour located throughout County. Funding: Highway Bridge Program (HBP) – federally funded & Measure R (TCAG)	<ul style="list-style-type: none"> In February staff continued preparation of RFP needed to procure design contract for project. RFP advertisement anticipated April 2021 with contract execution anticipated summer 2021. 	Design: \$ 898,700 Expenditures: \$ 45,88 Other Phases: Right-of-Way: \$ N/A Construction: \$ 3,668,300	 Expected Completion: Fall 2023 Design → R-O-W → Const.
M109 White River Bridge  Photo of bridge with temporary K-Ril protection	District: No. 5 – Dennis Townsend Division: MG2 – Bridges Designer: Dokken Engineering Contractor: TBD	Replacement of existing structurally deficient one-lane bridge with wider two-lane bridge. Located on M109 over White River, 8 miles southwest of Fountain Springs. Funding: Highway Bridge Program (HBP) – federally funded & Measure R (TCAG)	<ul style="list-style-type: none"> Continued quarterly inspections of existing bridge to ensure temporary rail functioning as intended. In February, outstanding environmental technical studies were submitted to Caltrans for approval. Project Type Selection Report anticipated to be submitted in March 	Design: \$ 630,000 Expenditures: \$ 219,984 Other Phases: Right-of-Way: \$ 75,000 Construction: \$ 3,000,000	 Expected Completion: Fall 2023 Design → R-O-W → Const.
Avenue 232 Safety Improvement Project  Photo of Ave 232/Road 36 Intersection	District: No. 2 – Pete Vander Poel Division: MG2- Roads Designer: Tulare County RMA Contractor: TBD	Installation of left-turn lanes along Avenue 232 at Road 36, Road 56, and Road 68, the installation of rumble strips/strips along Avenue 232 within project limits. Funding: Federal (HSIP), & Measure R.	<ul style="list-style-type: none"> Utility coordination completed Final PS&E completed BOS approved authorization to bid the Project. advertisement and bid is the next milestone. 	Design: \$ 130,000 Expenditures: \$ 168,000 Other Phases: Right-of-Way: \$ 300,000 Construction: \$ 1,500,000	 Expected Completion: Spring 2021 Design → R-O-W → Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
M375A Mineral King over East Fork Kaweah River  Elevation photo of the bridge	District: No. 1 – Larry Micari Division: MG2 – Bridges Designer: Cornerstone Structural Eng. Group Contractor: TBD	Rehabilitation of the existing structurally deficient, one lane, open spandrel arch bridge. Located on M375A Mineral King Road over the East Fork Kaweah River, 6.68 miles east of State Route 198. Funding: Highway Bridge Program (HBP) – Federal.	<ul style="list-style-type: none"> In February staff met with consultant team to discuss progress and schedule updates. Remaining environmental technical studies were developed for submission to Caltrans in March. Project Type Selection Report will be submitted in March. NEPA approval anticipated in May. 	Design: \$ 630,000 Expenditures: \$ 182,698 Other Phases: Right-of-Way: \$ 75,000 Construction: \$ 3,000,000	 26% Expected Completion: Fall/Winter 2024 Design → R-O-W → Const.
Avenue 144 & Road 96 Safety Improvements Project  Photo of Avenue 144 & Road 96 Intersection	District: No. 2 – Pete Vander Poel III Division: MG2 – Roads Designer: Tulare County RMA Contractor: TBD	The project includes the conversion of a two-way Stop controlled intersection into a single lane rural roundabout, the installation of ADA ramp facilities within project limits, and related improvements (signing/stripping, etc.). Funding: Federal (HSIP)	<ul style="list-style-type: none"> 30% design memo response letter to be sent asap. County desires to redesign roundabout to accommodate booster trailer loads Environmental studies may need to be revised. Finish date is approx. 4/30. First invoice has been processed. 	Design: \$250,000 Expenditures: \$90,184 Right-of-Way: \$225,000 Construction: \$2,297,800	 30% Expected Completion: Fall 2022 Design → R-O-W → Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 80 Railroad Crossing Improvements Project  Photo of Ave 80 Railroad Crossing	District: No. 2 – Pete Vander Poel Division: MG2 –Roads Designer: Tulare County RMA Contractor: TBD	Safety improvements for the Avenue 80 Railroad crossing. Improvements include pavement reconstruction, asphalt dike, and related improvements (Signing/ Striping, etc.). Funding: Federal (Section 130 Program), & Measure R.	<ul style="list-style-type: none"> 100% PS&E complete. Project awarded to lowest apparent bidder. Notice to proceed anticipated in July. 	Design: \$ 40,500 Expenditures: \$ 69,000 Other Phases: Right-of-Way: \$ N/A Construction: \$ 330,000	 Expected Completion: Spring 2020 
Avenue 256 & Road 204 Signalization and Rehabilitation Project  Intersection of Avenue 256 & Road 204 (existing conditions)	District: No. 1 – Larry Micari Division: MG2 – Design, Construction Mgmt. Development Services Designer: RMA - Public Works	Installation of traffic signal at the intersection of Avenue 256 & Road 204. This project also includes the road rehabilitation along Road 204 from the intersection to Avenue 264. Funding: Measure R (Regional).	<ul style="list-style-type: none"> Preparing utility conflict and right-of-way exhibits (in-progress). Finalizing 30% design plans. 	Design: \$ 135,000 Expenditures: \$ 66,000 Other Phases: Right-of-Way: \$ 240,000 Construction: \$ TBD	 Expected Completion: Summer 2020 
Avenue 108 Lakeland Canal Bridge  Elevation photo of the bridge experiencing peak irrigation flows	District: No. 2 – Pete Vander Poel Division: MG2 – Bridges Designer: Drake Haglan & Associates Contractor: TBD	Replacement of existing one-lane bridge with new two-lane bridge. Located on Avenue 108 over Lakeland Canal, 0.5 miles east of State Route 43 near Alpaugh. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> Type Selection Report approved by Caltrans in November. County staff and consultant initiated 65% design in December. In January, all environmental studies submitted to Caltrans for approval. 65% to continue through Summer 2021. In February staff developed utility conflict map. 	Design: \$ 500,000 Expenditures: \$ 295,815 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 2,400,000	 Expected Completion: Fall 2022 

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Road 160 Sidewalk Improvements Project  Road 160 Existing Conditions	District: No. 4 – Eddie Valero Division: MG2 – Design, Construction Mgmt. Development Services Designer: RMA - Public Works	Pedestrian Improvements along Road 160 between Avenue 328 and Ivanhoe Elementary School (Avenue 332). Funding: Active Transportation Program (ATP).	<ul style="list-style-type: none"> 65% design plans complete. Preparing utility conflict and right-of-way exhibits (in-progress). 	Right-of-Way: \$ 365,000 Expenditures: \$ 10,000 Other Phases: Design: \$ 185,000 Construction: \$ 1,025,000	 Expected Completion: Fall 2022 Design R-O-W Const.
Avenue 364 Cottonwood Creek Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: NCM Engineering Contractor: TBD	Replacement the existing functionally obsolete two-lane bridge with a new two-lane bridge. Located on Avenue 364 over Cottonwood Creek, 0.2 miles west of State Route 245. Funding: Highway Bridge Program (HBP) – Federal.	<ul style="list-style-type: none"> Final design complete. Right-of-way certification completed in September 2020. In February staff received AC Construction funds and staff began preparing project for advertisement. Construction start anticipated fall 2021. 	Right-of-Way: \$ 50,000 Expenditures: \$ 530,741 Other Phases: Design: \$ 600,000 Construction: \$ 2,800,000	 Expected Completion: Fall 2021 Design R-O-W Const.
D112 Bates Slough Bridge  Elevation photo of the bridge	District: No. 2 – Pete Vander Poel Division: MG2 – Bridges Designer: NCM Engineering Contractor: TBD	Replacement of the existing structurally deficient bridge with a new two-lane bridge. Located on Road D112 over Bates Slough, south of Avenue 196. Funding: Highway Bridge Program (HBP) Federal and Measure R (TCAG).	<ul style="list-style-type: none"> Final design in progress. Right-of-way acquisitions completed in August 2020. Utility coordination continued in February and anticipated to conclude in March. Right-of-way certification scheduled to be completed in March 2021. 	Right-of-Way: \$ 20,000 Expenditures: \$ 422,334 Other Phases: Design: \$ 500,000 Construction: \$ 1,100,000	 Expected Completion: Fall/Winter 2021 Design R-O-W Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 424 Traver Canal Bridge  Elevation photo of the bridge	District: No. 2 – Pete Vander Poel Division: MG2 – Bridges Designer: Moffat & Nichol Contractor: TBD	Replacement of the existing functionally obsolete two-lane bridge with a new two-lane bridge. Located on Avenue 424 over Traver Canal, .25 miles east of Road 64. Funding: Highway Bridge Program (HBP) – Federal.	<ul style="list-style-type: none"> 100% Design complete. Right-of-way certification complete. Depending on HBP funding availability, construction anticipated to start fall 2021. In February, staff submitted request for AC Construction funds. E-76 anticipated in March. 	Right-of-Way: \$ 100,000 Expenditures: \$ 631,000 Other Phases: Design: \$ 604,000 Construction: \$ 2,400,000	 Expected Completion: Fall 2021 Design → R-O-W → Const.
Avenue 174 Friant-Kern Canal Bridge  Elevation photo of the bridge	District: No. 5 – Dennis Townsend Division: MG2 – Design, Development & Construction Contractor: TBD	Replacement of existing two-lane bridge with wider two-lane bridge. Located on Ave 174 over Friant-Kern Canal, north of Porterville. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> In January NEPA clearance received. In September staff met with utility owners to discuss potential conflicts; coordination continued in February. 65% PS&E in progress, anticipated submittal April 2021. 	Right-of-Way: \$ 20,000 Expenditures: \$ 397,487 Other Phases: Design: \$ 600,000 Construction: \$ 2,750,000	 Expected Completion: Fall 2023 Design → R-O-W → Const.
Road 204 Wutchumna Ditch Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: Quincy Engineering Contractor: TBD	Replacement of existing functionally obsolete two-lane bridge with wider two-lane bridge. Located on Road 204 over Wutchumna Ditch, 0.1 miles south of Avenue 336. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> Final design nearly completed. Right-of-way certification completed. Depending on HBP funding availability, construction anticipated to start fall/winter 2021. In February staff coordinated construction schedule with irrigation district. In February staff submitted request for AC construction funds. E-76 anticipated in March. 	Right-of-Way: \$ 100,000 Expenditures: \$ 456,095 Other Phases: Design: \$ 500,000 Construction: \$ 1,100,000	 Expected Completion: Fall 2021 Design → R-O-W → Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 328 Safety Improvements Project  <p>Intersection of Avenue 328 & Road 156 (existing conditions)</p>	District: No. 4 – Eddie Valero Division: MG2 – Design, Construction Mgmt. Development Services Designer: RMA - Public Works Contractor: TBD	Safety improvements along Avenue 328 corridor consisting of the installation of left-turn pockets at the intersections of Road 112, Road 138, and Road 156. Funding: Highway Safety Improvements Program (HSIP).	<ul style="list-style-type: none"> 100% design plans complete and under review by internal staff. Utility relocation in-progress. Right-of-way acquisition in-progress. 	Right-of-Way: \$ 75,000 Expenditures: \$ 55,000 Other Phases: Design: \$ 150,000 Construction: \$ 1,239,000	 <p>73%</p> <p>Expected Completion: Spring 2021</p> <p>Design → R-O-W → Const.</p>
D112 North Branch Tule River Bridge  <p>Elevation photo of the bridge</p>	District: No. 2 – Pete Vander Poel Division: MG2 – Bridges Contractor: TBD	Replacement of existing structurally deficient two-lane bridge with wider two-lane bridge. Located on Road D112 over North Branch Tule River, 2 miles south of Avenue 184. Funding: Highway Bridge Program (HBP) – federally funded	<ul style="list-style-type: none"> In February, staff met with consultant team to discuss project status and schedule updates. 90% Design submittal anticipated in March. 	Right-of-Way: \$ 20,000 Expenditures: \$ 417,683 Other Phases: Design: \$ 615,000 Construction: \$ 2,380,000	 <p>66%</p> <p>Expected Completion: Fall 2021</p> <p>Design → R-O-W → Const.</p>
Alpaugh Complete Street Improvements Project  <p>Photo of Center St, near the Alpaugh Elementary School Crossing at Wilbur Road & Center St.</p>	District: No. 2 - Pete Vander Poel Division: MG2 – RMA-Roads Designer: Tulare County RMA Contractor: TBD	New concrete sidewalk, curb & gutter, ADA ramps, drainage facilities along Center St (between Tule & Ellis Rd) and 0.19 Mi of grind & replace AC treatment along Wilbur. In addition, a 5.8 mile-long HMA Overlay treatment along Ave 54 (between Road 16 & Railroad crossing at Ave 56) shall be placed. Funding: Measure R	<ul style="list-style-type: none"> TCE contract with Alpaugh USD is underway. To be completed on 3/15. NTO letters sent to utilities in conflict. ISR determination letter has been received. (2) fence relocations are pending, as of 2/22. Coordination underway. 	Design: \$200,000 Expenditures: \$238,785 Right-of-Way: \$50,000 Expenditures: \$34,022 Construction: \$3,540,643	 <p>90%</p> <p>Expected Completion: Spring 2021</p> <p>Design → R-O-W → Const.</p>

Percentage completion as depicted in these charts is an estimate based on the most recent payment as compared to the total contract value determined by the original award amount plus the total value of all change orders as of the last day of the month. Completed projects will continue to be shown until such time as they are closed out by the Board of Supervisors.

MANAGEMENT GROUP 2:

ASSISTANCE TO ECONOMIC DEVELOPMENT/PLANNING PROJECTS

Public Works provided GIS Maps to other branches of the Resource Management Agency. In February 66 maps were provided to the Planners for 18 separate projects.

ENCROACHMENT PERMITS

In February staff processed a total of 59 new encroachment permit applications. The permit processing numbers and inspections continue to remain at high demand levels. County inspectors provided oversight and daily inspections for 11 daily/recurring active projects, and 4 tracts/parcel improvement projects.

Permits Processed:

- Processed and issued a total of 88 transportation permits comprised of: 17 rider permits, 6 single-trip permits (including over-sized or overweight loads) and 65 blanket/annual permits.
- Issued 12 sub-encroachment permits for inspections of job sites under utility company annual/blanket maintenance permits, as well as reviewed sites, signing and safety for dozens of short-term repairs;
- No Special Events are being processed at this time due to COVID-19.

	Jan 2021	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020
<u>Transportation:</u>	73	88	63	23	26	313	98	120	83	124	141	64
Trans. Annual	21	65	52	3	12	275	54	65	18	77	108	17
Trans. Riders	13	17	11	23	14	12	10	8	18	14	16	17
Single Trip	39	6	11	11	14	38	34	47	47	33	17	30
<u>Encroachment:</u>	49	59	29	61	69	58	75	75	20	74	30	35
Utility	18	37	13	47	46	43	30	19	15	39	18	11
Standard	18	19	14	13	21	13	40	20	5	17	8	18
Curb & Gutter	0	2	1	0	1	1	3	1	0	0	0	1
Encr. Annual	1	1	1	1	1	1	2	1	1	7	1	1
Sub/Permits Maint. Insp.	12	12	9	9	7	7	7	4	11	11	3	4
Special Events:	0	0	1	2	0	0	0	0	0	0	1	0
House Moving:	0	1	1		2	2	9	5	2	1	0	1

Staff provided inspections and oversight for the following major projects while continuing to provide service to general permits including:

Tract Map–789/Goshen Village Phase 1: Construction of the first phase of the tract along Avenue 310 in Goshen has been completed. The contractor continues to wrap up off-site improvements and residents are beginning to move into the newly constructed homes. The contractor is in the process of beginning Phase II of the project and will continue to be monitored by County inspection staff.

Tract Map-TSM16-002/Kingsburg Hash Subdivision: Phase I of the project has been completed and accepted as complete by County Encroachment inspection staff. With the completion of this work the contractor is slowly continuing work on phase II of the tract development. Since the start of this work the contractor has completed the majority of the utility improvements and is beginning to work on rough grading of the roadways and began installation of the storm drainage system. Our inspectors provided oversight for water main pipelines, sewer and storm drain pipelines, utility trenching including electrical, gas, telecom, and cable services.



Sequoia Gateway: The contractor has recently begun work on the Sequoia Gateway development located south of Avenue 80 near State Route 99. The project has been broken into several phases which are currently planned to contain a hospital, hotel, gas station and several office spaces. At this time the contractor is beginning to work on rough grading of the roadway system within the development. The contractor has additionally started with the installation of the underground work for the storm drain system throughout the development. The contractor completed the sewer crossing at Avenue 280 and will be continuing to work on the frontage of Avenue 280 in the upcoming months.



Pixley Subdivision on Elm: *Tract Inspection: 20000002:* This is not a new subdivision, but a continuation of a tract map that has been delayed for decades due to community limitations and requirements for sewer. The current contractor has reviewed and evaluated the site and has recently begun working in the area again. To date, the contractor has completed the placement of the curb and gutter and has paved in the roadway throughout the site.

MANAGEMENT GROUP 3:

ZONES OF BENEFIT

Operations and maintenance of Zones of Benefit sewer systems continued with **no spills** in the sewer systems for the month of February 2021.

Operations and maintenance of Zones of Benefit water systems continued through February 2021 with **no known service interruptions or spills**. TBSMD increased its capacity by 46% from the previous month. Although further investigation will be required for the cause of increased capacity, it is assumed a potential factor of increased influent average GPD could be due to increased wet weather conditions during the month of January. RMA will monitor TBSM flow to investigate the cause and will take corrective action.

During January 2021, Management Group III terminated the Operations and Maintenance (O&M) Contract with Water Dynamics Inc. due to licensing issues. An Emergency Purchasing Order was submitted and approved for Central Cal Water Works Inc to temporarily perform the operation and maintenance of the Water and Wastewater Systems. Staff are working on a new Request for Proposals to find a contractor to take over the operations and maintenance of these systems for several years.

The table below summarizes the data available for the water production and wastewater treatment for the month of January 2021. This data is presented on a one-month lag as the data is not submitted to us by our contractor until the 15th of the following month. There is no data for the lift station at El Rancho, as there is no flow totalizer:

Zone of Benefit - Water & Wastewater Volumes January 2021				
Sewer Systems			Water Systems	
Total Monthly Flow (Gallons)		% Capacity	Total Monthly Flow (Gallons)	
Delft Sewer	872,209	51%	Delft Colony Water	1,237,000
Seville Sewer	590,240	39%	Wells Tract Water	795,620
Yettem Sewer	657,577	52%		
Wells Tract Sewer	682,000	120%		
Tonyville Sewer	485,160	23%		
Tooleville Sewer	642,723	61%		
Traver Sewer	852,170	32%		
TBSMD	10,103,613	112%		
El Rancho Sewer	Treatment provided by City			
TOTAL		14,885,692	TOTAL 2,032,620	

FLOOD CONTROL

On February 18, Chief Engineer Ross Miller and Engineer IV Randy Weatherspoon presented at the PWX@Home Stormwater Summit, a national conference held online by the American Public Works Association. Their presentation was titled “Stormwater Applications of IoT Level Sensors” and focused on the Flood Control Districts use of ToltHawk sensors throughout the County.

On February 19, 2021, members of the Success Reservoir Enlargement Project (SREP) Joint Powers Agreement and other project stakeholders were invited to tour the project construction site. Supervisor Townsend and Ross Miller, Chief Engineer, attended the tour, which focused primarily on changes to the access road and enlargement of the project spillway, including blasting, excavating, and other earthmoving.

The Flood Commission met on January 15, 2021. At this meeting, the Commission received a report on the status of ongoing and upcoming flood control projects.



Loaders and dump trucks clearing earth from the enlarged spillway.



Slant drilling to place explosives for the new access road.

Staff attended the quarterly Tule River Improvement Project JPA meeting, which included an update on the Success Reservoir Enlargement Project, currently under construction.

TRANSIT

TCaT is an essential service and continues to maintain regular service levels through the pandemic. Staff are in frequent contact with our partner transit agencies to discuss and share information regarding the pandemic, including coordinating service and response strategies.

Staff continue to move forward with a new bus shelter placement requested in Cutler for Route 10 – North County. Staff are currently working on encroachment permit with Caltrans as the proposed shelters would be located along SR63.

The TCaT fleet had its quarterly audit of 12 buses performed by TRC Engineering on February 19. This audit reviews safety, maintenance records, and preventive maintenance adherence in accordance with contract provisions. The audit did not report any significant issues, meaning the buses were generally in a good and safe condition.

The following graph and chart compare this fiscal year's transit ridership to last fiscal year's ridership, both month-to-month, and fiscal-year-to-date. This data has generally been presented on a one-month delay to account for the reporting deadline in the transit services contract. As such, the chart here shows data for January:

	January	Prior January	Change	FYTD	Prior FYTD	Change
Total Ridership	10,001	22,538	-55.63%	76,998	160,053	-51.89%
Fixed Route Ridership	9839	22,163	-55.61%	75,606	157,007	-51.85%
Demand Response Ridership	162	375	-56.80%	1,392	3,046	-54.30%
Fixed Route Passengers per Mile	0.13	0.28	-53.57%	.14	0.28	-50.00%
Demand Response Passenger per Hour	1.44	1.74	17.24%	1.23	1.75	-29.71%

MANAGEMENT GROUP 4:

SURVEYOR'S OFFICE

The activities and projects in process and/or completed in February 2021 are as follows:

Parcel Map	14	Tract Map	4
Corner Record	138	Record of Survey	28
Merger of Parcels	3	Vacation of Right of Way	3
Waved Parcel Map	3	Lot Line Adjustment	7

Projects related to field services provided by the Surveyor's Office are as follows:

2020 RRAA Project 1	Farm to Market Rehab 2.0 Project 1
2020/21 CTIP: Avenue 152	Farm to Market Rehab 2.0 Project 2
Alpaugh Center Street Improvement	Friant Kern Canal Project
Avenue 152 Safety Improvements	HSIP Cycle 7 Avenue 232
Bridge: Avenue 392 Sand Creek	Road 64 Improvements
Bridge: M348 S. Fork Kaweah	Sequoia Field Airport Navigational Aides
Community Accessibility and Enhancement	Solid Waste Operations -Teapot Dome
Complete Street Plan – Plainview	Survey Monument Preservation Project
East Orange Ave. Pedestrian Crossing	Visalia Landfill Phase 4 Expansion
Encroachment (various locations)	

Respectfully submitted,

Reed Schenke

REED SCHENKE, PE

Director

RS/nw

cc: Michael Washam, RMA Associate Director
Sherman Dix, RMA Fiscal Services Director

Tulare County RMA – Road Maintenance Activities

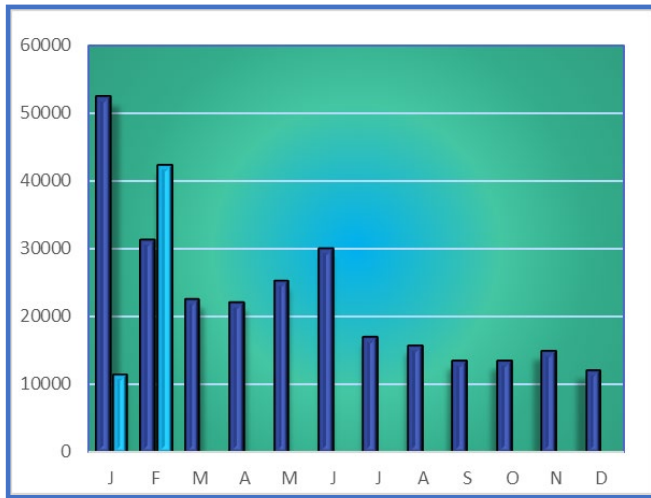
February 2021

Dark Blue = 2020

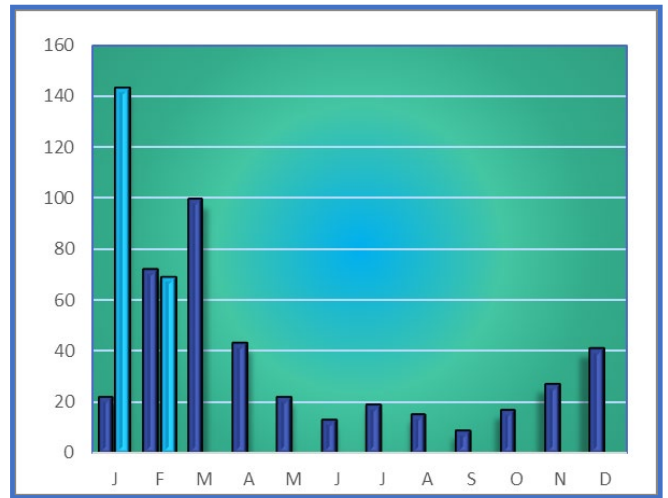
Light Blue = 2021



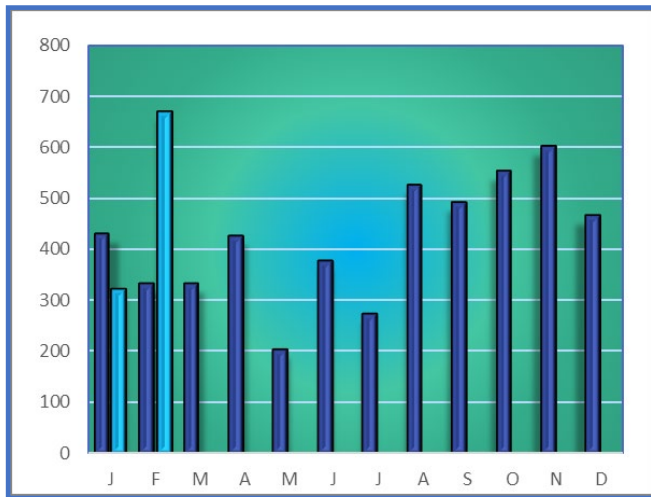
Potholes Patched



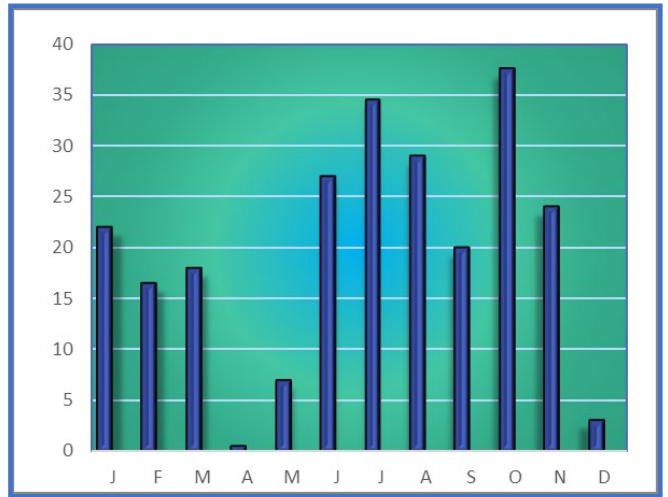
Shoulder Maintenance (miles)



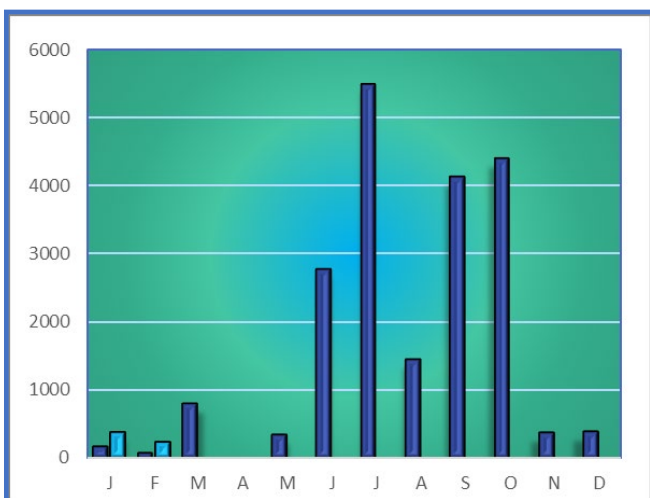
Traffic Signs



Blade Patch (miles)



Road Stencil (sq. ft.)



Road Stripe (miles)

