



RESOURCE MANAGEMENT AGENCY

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February 4, 2020

Supervisor Kuyler Crocker (District One)
Supervisor Pete Vander Poel, (Chairman) (District Two)
Supervisor Amy Shuklian (District Three)
Supervisor Eddie Valero (District Four)
Supervisor Dennis Townsend (District Five)
Jason Britt, CAO
2800 West Burrell Avenue
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 January 2020. We are pleased to introduce a new format with regard to our public works construction projects and anticipate using this format going forward.

RMA Recognized for Excellence by TCAG

On January 23, 2020 the Public Works division of RMA was honored by the Tulare County Association of Governments for four of its projects at the 9th Annual Local Motion Awards. One of the Awards received was in the Bike/Pedestrian Project category. For this award, RMA submitted its Rural Community Enhancements project which consisted of the 2017 Community Improvements Project (Phase 3- Goshen/Ivanhoe locations); the Traver Jacobs Street Improvements project; the Earlimart Park Sidewalk Improvements project; the Allensworth Elementary Sidewalk Improvements project; the Woodville Sidewalk Improvements project; and the Community Accessibility Enhancement Project (Orosi, Poplar and Strathmore). RMA



was also recognized for excellence in the Outstanding Transit Project category for its Transit Operations Maintenance Facility project, consisting of a 7,000 sf Operations building and 5,400 sf Maintenance building with three bays that provides a permanent home for TCaT. Construction costs for this project are approximately \$8.5 million.

TCAG awarded the Transit Project of the Year to the County for the Transit Operations and Maintenance Facility (TOMF), as projects that are near completion were eligible for submission. The TOMF project is expected to open in the next few months, and the related CNG fueling project is still under construction.

The LOOP Bus program received the Social Services Transportation Provider of the Year award. The Loop Bus program is part of the StepUp Program and provides free transportation for youth groups to free events throughout the County, and includes options for disabled riders. The LOOP Bus is administered through a partnership between the Resource Management Agency and the Health and Human Services Agency. This award comes after significant changes to the structure and management of the LOOP Bus in recent years, including the Board of Supervisors adopting a new LOOP Bus policy.

Tulare County Area Transit also received an award in the Innovative & Sustainable Transportation category for its new website, www.ridetcat.org and its Transit Automated Trip Planner website. This site was designed and built to provide better information to the County's residents through an improved trip planner tool which helps plan trips between all County transit agencies. This website was translated into Spanish for the non-English speaking community and has options for translation into other languages through Google Translate. The website will connect with other future TCaT projects and can be integrated with tools from other county Transit Agencies.

Design and Construction Projects: A New Reporting Format for Management Groups 2 & 3



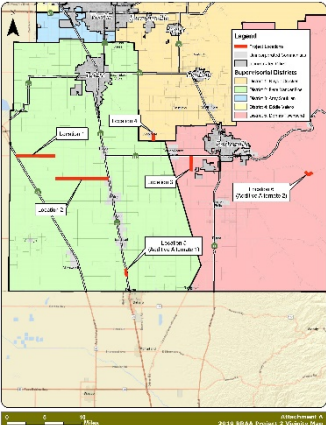
The Public Works team has collaborated to revise the way public works design and construction projects are presented in this report. Staff feel that the prior format, textual update of the project would be improved by instead presenting each project in a table, which will include a brief overview of the project and an update on the project status including budget and schedule. Projects within the table are color coded into one of three phases based on their current status and critical path.


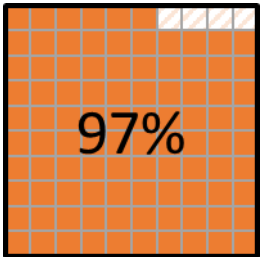
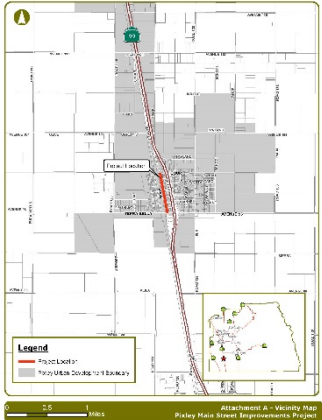
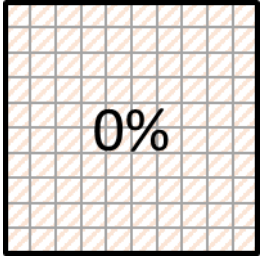

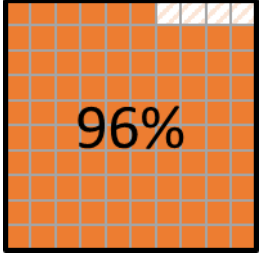
Design Projects are in **BLUE**, which includes projects currently in design, currently undergoing permitting and environmental approvals, awaiting funding approvals, and seeking community/stakeholder input. Percentage of completion of Design Projects is based on the current status of the project's design as determined by the project lead considering project milestones.


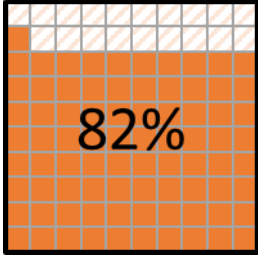

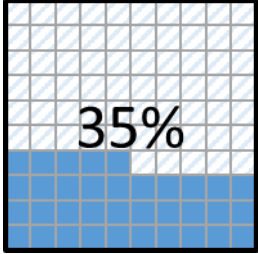

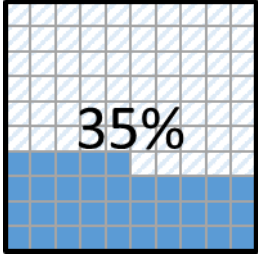
Right-of-Way Projects are in **GREEN**, which includes projects where the County is actively obtaining the necessary right-of-way to complete the project. Projects which are in both the Right-of-Way and Design Phase will be presented in the phase which is in the critical path towards project completion. Percentage of completion of Right-of-Way Projects is based on the current status of the project's design as determined by the project lead considering project milestones.


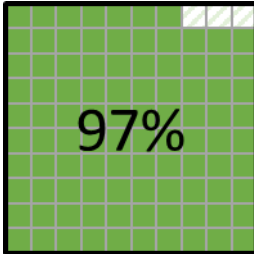

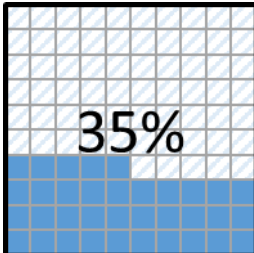

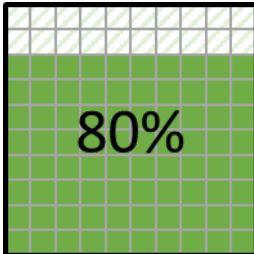
Construction Projects are presented in **ORANGE**, which includes all projects that have been awarded by the Board of Supervisors but have not had their Notice of Completion approved by the Board of Supervisors. The percentage of completeness for Construction Projects is based on the most recent payment as compared to the total of construction contract including any duly approved change orders as of the end of the month.


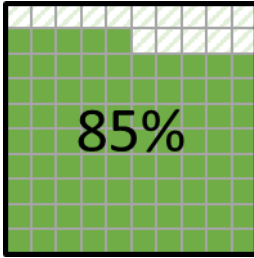

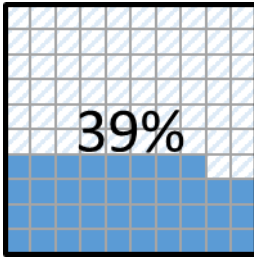

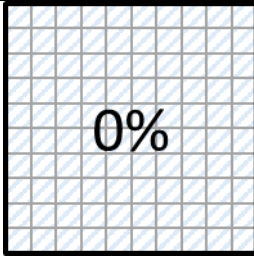
Projects which are substantially complete are marked with an overlay of "COMPLETE" and will continue to be shown on the report until they are closed out and the Notice of Completion is issued.


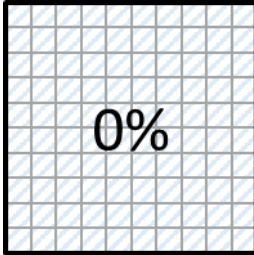
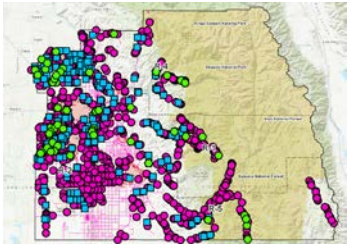
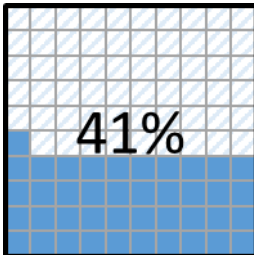

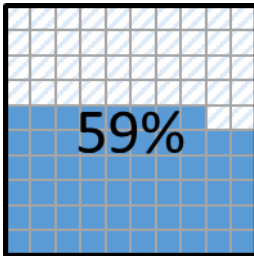
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Earlimart Park Sidewalk Improvement Project  <p>Newly constructed ADA Curb ramp located south of the park at Church and Elm</p>	District: No. 2 - Pete Vander Poel Division: MG2 – Roads Designer: Tulare County RMA Contractor: American Paving Inc.	Installation of sidewalk, ADA ramps, driveways, curb and gutter, and drainage infrastructure around Earlimart Park and Earlimart Elementary School. Funding: Federal (ATP), and Local County Road Funds	<ul style="list-style-type: none"> Contractor wrapping up punch list items of work. County staff ensuring paperwork has been submitted for project closeout Project accepted as substantial complete by Engineer on 1/13/20 	Budget: \$ 520,690 Award: \$ 483,990 CO's to Date¹: \$ 0 Total Contract: \$ 483,990 Payments: \$ 486,042 Last Payment: 1/31/2020 1. CCO's pending for drainage revisions and cleanup, estimated value of \$24,000.	<div>100%</div> <p>Substantial Completion: January 2020</p> <div>Design R-O-W Const.</div>
2019 RRAA Project 1  <p>Road 152 located south of Avenue 240</p>	District: Nos. 1, 2, 3, & 4 Division: MG 2 – Roads Designer: Tulare County RMA Contractor: Teichert Construction	Road Maintenance Project consisting of asphalt resurfacing and Pulverization on the following roads: Rd 152, Rd 144, Ave 272, Ave 264, Rd 108, & Rd 224 Funding: Local County Road Funds (SB1)	<ul style="list-style-type: none"> Project accepted as substantial complete by Engineer on 11/26/19 County staff ensuring paperwork has been submitted for project closeout Negotiating final CCC's 	Budget: \$ 5,151,480 Award: \$ 4,894,267 CO's to Date¹: \$ 0 Total Contract: \$ 4,894,267 Payments: \$ 4,511,873 Last Payment: 11/30/2019 1. CCO's pending for Oil Index, estimated credit in the value of (\$56,000). Balance CCO forthcoming.	<div>92%</div> <p>Substantial Completion: November 2019</p> <div>Design R-O-W Const.</div>
2019 RRAA Project 2  <p>Locations of various roads included in the project</p>	District: Nos. 2, 4, & 5 Division: MG2 – Roads Designer: Tulare County RMA Contractor: Teichert Construction	Road Maintenance Project consisting of asphalt resurfacing and pulverization on the following roads: Ave 144, Ave 120, Rd 208, Rd 168, & D 140. Funding: Local County Road Funds (SB1)	<ul style="list-style-type: none"> Continued Submittal review. Pre-Construction meeting planned for February of 2020. Construction anticipated to begin in March of 2020. 	Budget: \$ 6,771,377 Award: \$ 6,437,026 CO's to Date: \$ 0 Total Contract: \$ 6,771,377 Payments: \$ 0 Last Payment: N/A	<div>0%</div> <p>Expected Start: March 2020</p> <div>Design R-O-W Const.</div>


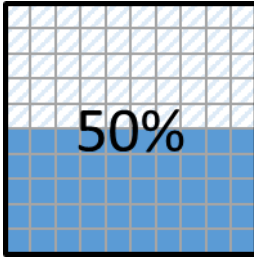

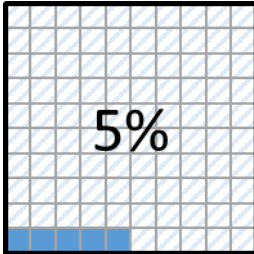

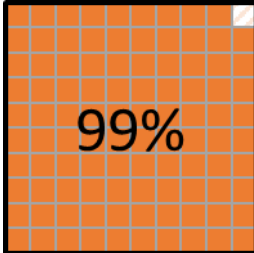
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Road 192 and Road 204 Rehabilitation Project  Road 192 South of Avenue 136	District: Nos. 1 & 5 Division: MG2 – Roads Designer: Tulare County RMA Contractor: Agee Construction	Road Maintenance Project consisting of asphalt resurfacing and Pulverization Road 192 and Road 204. Funding: Federal Surface Transportation Block Grant Program and Local County Road Funds	<ul style="list-style-type: none"> Project accepted as substantial complete by Engineer on 12/16/19 County staff ensuring paperwork has been submitted for project closeout Contractor to return to site to complete bump grinding (pending weather) 	Budget: \$ 1,722,393 Award: \$ 1,628,470 CO's to Date: \$ 0 Total Contract: \$ 1,628,470 Payments: \$ 1,577,655 Last Payment: 12/31/19	 Substantial Completion: December 2019 Design → R-O-W → Const.
Pixley Main Street Sidewalk Improvement Project  Attachment A - Vicinity Map Pixley Main Street Improvements Project	District: No. 2 - Pete Vander Poel Division: MG2 - Roads Designer: Tulare County RMA Contractor: JT2 Inc. – dba Todd Companies	Improvement to Main Street including the installation of curb and gutter, sidewalk, asphalt pave-outs, class 2 bike lanes, drainage facilities, signs and striping. Funding: State (ATP) and Local County Road Funds	<ul style="list-style-type: none"> Continued Submittal and RFI review. Construction anticipated to begin in March of 2020. 	Budget: \$ 1,273,520 Award: \$ 1,200,972 CO's to Date: \$ 0 Total Contract: \$ 1,200,972 Payments: \$ 0 Last Payment: N/A	 Expected Start: March 2020 Design → R-O-W → Const.
Transit Operations & Maintenance Facility (TOMF)  Photo of Operations & Maintenance Buildings looking northwest	District: No. 2 - Pete Vander Poel Division: MG3 – Special Projects Designer: Arrington Watkins Architects Contractor: Seals Construction	New facility for maintenance and operations of the Tulare County Area Transit (TCaT) bus fleet at the Tulare County Central Road Yard. Funding: Federal (PTMISEA), State (CalOES, SGR, STA), & Local (Measure R, Other County Funds)	<ul style="list-style-type: none"> Contractor wrapping up punch list items of work. Contractor completed site fencing. County staff Coordination with TCICIT on communication infrastructure. 	Budget: \$ 7,263,199 Award¹: \$ 6,825,649 CO's to Date: \$ 124,323 Total Contract: \$ 6,946,972 Payments: \$ 6,703,676 Last Payment: 1/31/2020 1. Award amount accounts for deduction of CNG Project by Resolution No. 2019-0355.	 Expected Completion: February 2020 Design → R-O-W → Const.


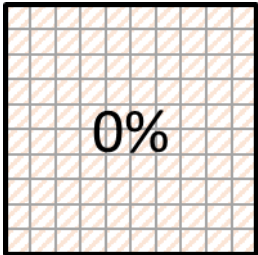
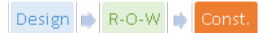

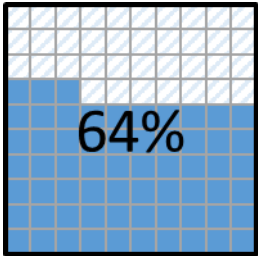
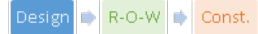

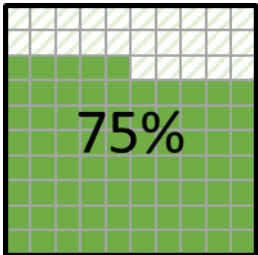

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
CNG Fueling Facility at TOMF  <p>Photo of Contractor setting compressor and dryer equipment within equipment yard</p>	District: No. 2 - Pete Vander Poel Division: MG3 – Special Projects Designer: Arrington Watkins Architects 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"> Contractor furnished and set compressor and dryer equipment. Contractor set emergency shutdown posts. Continued to progress with electrical panels and pulling power to equipment yard. Working with contractor to resolve Buy America issues on steel tubing. 	Budget: \$ 2,635,010 Award: \$ 2,497,629 CO's to Date: \$ 0 Total Contract: \$ 2,497,629 Payments: \$ 2,042,082 Last Payment: 1/31/2020	 <p>82%</p> <p>Expected Completion: April 2020</p> <p>Design → R-O-W → Const.</p>
Avenue 108 Lakeland Canal Bridge  <p>Elevation photo of the bridge experiencing peak irrigation flows</p>	District: No. 2 – Pete Vander Poel III Division: MG2 – Bridges Designer: Drake Haglan & Associates Contractor: TBD	Replacement of the existing one lane bridge with a new two-lane bridge. The bridge is located on Avenue 108 over Lakeland Canal, 0.5 miles east of State Route 43. Funding: Highway Bridge Program (HBP) – Federal	<ul style="list-style-type: none"> Consultant expected to submit Type Selection Report in February. Environmental studies ongoing. 	Design: \$ 500,000 Expenditures: \$ 130,815 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 2,400,000	 <p>35%</p> <p>Expected Completion: Fall/Winter 2022</p> <p>Design → R-O-W → Const.</p>
Avenue 174 Friant-Kern Canal Bridge  <p>Elevation photo of the bridge</p>	District: No. 5 – Dennis Townsend Division: MG2 – Design, Development & Construction Designer: NCM Engineering Contractor: TBD	Replacement of the existing structurally deficient two-lane bridge with a new two lane bridge. Located on Avenue 174 over Friant-Kern Canal, 0.3 miles west of Road 232. Funding: Highway Bridge Program (HBP) – Federal	<ul style="list-style-type: none"> Bridge Type Selection Report submitted to Caltrans for review in February. Environmental studies ongoing. 	Design: \$ 600,000 Expenditures: \$ 316,851 Other Phases: Right-of-Way: \$ 100,000 Construction: \$ 2,750,000	 <p>35%</p> <p>Expected Completion: Fall/Winter 2021</p> <p>Design → R-O-W → Const.</p>


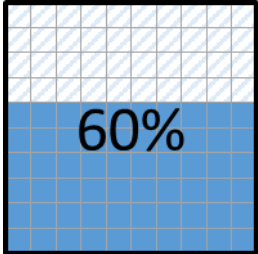

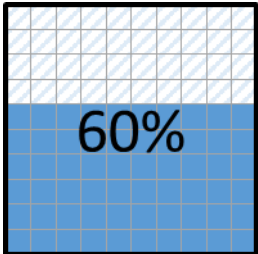

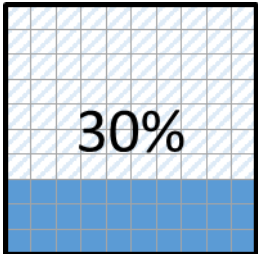
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 364 Cottonwood Creek Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: NCM Engineering Contractor: TBD	Replacement the existing functionally obsolete two-lane bridge 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 in progress. Right of Way certification expected April 2020. Construction anticipated to start fall 2020. 	Right-of-Way: \$ 20,000 Expenditures: \$ 582,717 Other Phases: Design: \$ 600,000 Construction: \$ 2,800,000	 Expected Completion: Fall 2020 Design → R-O-W → Const.
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 the existing structurally deficient two-lane bridge with a new two lane bridge. Located on Avenue 376 over Traver Canal, 0.25 miles east of Road 40. Funding: Highway Bridge Program (HBP) - Federal	<ul style="list-style-type: none"> Bridge Type Selection anticipated to be submitted to Caltrans in February. Environmental studies ongoing. 	Design: \$ 500,000 Expenditures: \$ 209,403 Other Phases: Right-of-Way: \$ 100,000 Construction: \$ 1,100,000	 Expected Completion: Fall/Winter 2021 Design → R-O-W → Const.
Avenue 392 Sand Creek Bridge  Elevation photo of the bridge	District: No. 4 – Eddie Valero Division: MG2 – Bridges Designer: NCM Engineering Contractor: TBD	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"> Final Design in progress. Right of Way certification expected May 2020. Construction anticipated to start fall/winter 2020. 	Right-of-Way: \$ 20,000 Expenditures: \$ 472,367 Other Phases: Design: \$ 495,000 Construction: \$ 2,600,000	 Expected Completion: Fall 2020 Design → R-O-W → Const.


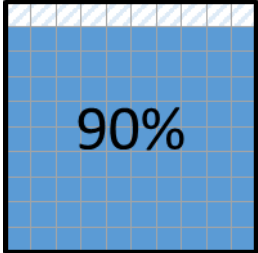

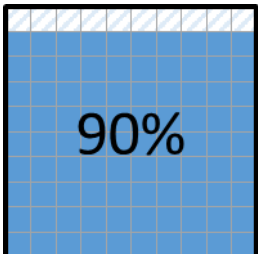

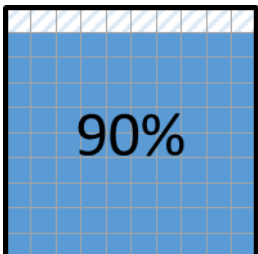
Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 424 Traver Canal Bridge  Elevation photo of the bridge	District: No. 2 – Pete Vander Poel III Division: MG2 – Bridges Designer: Moffat & Nichol Contractor: TBD	Replacement of the existing functionally obsolete two-lane 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"> Final Design in progress Right of Way. certification expected May 2020. Construction anticipated to start fall/winter 2020. 	Right-of-Way: \$ 100,000 Expenditures: \$ 515,066 Other Phases: Design: \$ 604,000 Construction: \$ 2,400,000	 85% Expected Completion: Fall 2020 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"> Type Selection Report submitted to Caltrans in November 2019. Environmental studies ongoing. NEPA clearance anticipated Jan 2021. 	Design: \$ 605,000 Expenditures: \$ 235,207 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 2,400,000	 39% Expected Completion: Fall/Winter 2022 Design R-O-W Const.
Bridge Preventive Maintenance Program Group 1  Roadyard 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) Federal and Measure R (TCAG)	<ul style="list-style-type: none"> Funds have just been received (Jan. 2020) to start Preliminary Engineering. Design in-house to save costs. 	Design: \$ 238,200 Expenditures: \$ 0 Other Phases: Right-of-Way: \$ N/A Construction: \$ 985,800	 0% Expected Completion: Fall/Winter 2021 Design R-O-W Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Bridge Preventive Maintenance Program Group 5  <p>Photo of typical pier footing damage due to scour</p>	District: Countywide Division: MG2 – Bridges Designer: Tulare County RMA Contractor: TBD	Applying scour counter-measures to piers, abutments and other areas to 21 bridges affected by scour throughout County. Funding: Highway Bridge Program (HBP) Federal and Measure R (TCAG)	<ul style="list-style-type: none"> Funds have just been received (Jan. 2020) to start Preliminary Engineering. Consultant contracts for hydraulics and environmental design need to be procured. 	Design: \$ 898,700 Expenditures: \$ 0 Other Phases: Right-of-Way: \$ N/A Construction: \$ 3,668,300	 <p>0%</p> <p>Expected Completion: Summer/Fall 2023</p> <p>Design R-O-W Const.</p>
Bridge Preventive Maintenance Plan for Bridges Under 20 Feet  <p>County Map with all bridges under 20 feet</p>	District: Countywide Division: MG2 – Bridges Designer: Tulare County RMA Contractor: TBD	Development of Bridge Preventative Maintenance Plan to track the performance, maintenance, and condition of bridges under 20 feet. Funding: Measure R (TCAG)	<ul style="list-style-type: none"> Data collection completed in January 2020. Data to be reviewed/revised in the month of February. 	Design: \$ 250,000 Expenditures: \$ 102,545 Other Phases: Right-of-Way: \$ N/A Construction: \$ N/A	 <p>41%</p> <p>Expected Completion: Spring/Summer 2021</p> <p>Design R-O-W Const.</p>
D112 Bates Slough Bridge  <p>Elevation photo of the bridge</p>	District: No. 2 – Pete Vander Poel III 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"> NEPA Clearance obtained in Jan 2020. Final design in progress. Right-of-Way phase funding request submitted in January. 	Design: \$ 500,000 Expenditures: \$ 292,891 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 1,100,000	 <p>59%</p> <p>Expected Completion: Fall/Winter 2021</p> <p>Design R-O-W Const.</p>

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
D112 North Branch Tule River Bridge  Elevation photo of the bridge	District: No. 2 – Pete Vander Poel III 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 North Branch Tule River, south of Avenue 196. Funding: Highway Bridge Program (HBP) - Federal	<ul style="list-style-type: none"> Final design in progress. NEPA Clearance expected in Spring 2020. 	Design: \$ 615,000 Expenditures: \$ 289,386 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 2,380,000	 Expected Completion: Fall/Winter 2021 Design R-O-W Const.
M109 White River Bridge  Photo of bridge with temporary K-Rail protection	District: No. 5 – Dennis Townsend Division: MG2 – Bridges Designer: Dokken Engineering Contractor: TBD	Replacement of the existing structurally deficient bridge with a new two-lane bridge. Located on M109 over White River, 8 miles southwest of Fountain Springs. Funding: Highway Bridge Program (HBP) Federal and Measure R (TCAG)	<ul style="list-style-type: none"> In the process of contract negotiations with design consultant Dokken Engineering Project expected to kick-off in Spring 2020 	Design: \$ 630,00 Expenditures: \$ 31,735 Other Phases: Right-of-Way: \$ 75,000 Construction: \$ 3,000,000	 Expected Completion: Fall/Winter 2024 Design R-O-W Const.
M220 Bear Creek Bridge  Photo of the new bridge opened to traffic	District: No. 5 – Dennis Townsend Division: MG2 – Bridges Designer: Biggs Cardosa Associates Contractor: Agee Construction	Replacement of the existing functionally obsolete bridge with a new two lane bridge. Located on M220 over Bear Creek, 8 miles north of State Route 190. Funding: Highway Bridge Program (HBP) - Federal	<ul style="list-style-type: none"> Construction of bridge structure is substantially complete and open to traffic Art tile procurement and installation expected in spring 2020 	Budget: \$ 3,090,000 Award: \$ 1,805,832 CO's to Date: \$ 19,075 Total Contract: \$ 1,805,832 Payments: \$ 1,816,963 Last Payment: 11/07/2019	 Expected Completion: Spring 2020 Design R-O-W Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
M348 South Fork Kaweah River Bridge  Photo of the bridge covered with light snow	District: No. 1 – Kuyler Crocker Division: MG2 – Bridges Designer: Quincy Engineering Contractor: TBD	Replacement of the existing structurally deficient one lane bridge with a new one lane bridge. Located on M348 over S. Fork Kaweah River, 11.7 miles south east of State Route 198. Funding: Highway Bridge Program (HBP) - Federal	<ul style="list-style-type: none"> Project previously advertised and bids cancelled due to lack of bidders and high cost. Re-advertisement in spring 2020 and construction start anticipated fall 2020. 	Budget: \$ 2,750,000 Award: \$ 0 CO's to Date: \$ 0 Total Contract: \$ 0 Payments: \$ 0 Last Payment: N/A	 Expected Completion: Fall 2021 
M375A Mineral King over East Fork Kaweah River  Elevation photo of the bridge	District: No. 1 – Kuyler Crocker 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"> Final design in progress. NEPA Clearance obtained. Additional materials testing performed in December 2019 to confirm previous findings – results pending. 	Design: \$ 1,560,000 Expenditures: \$ 997,419 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 9,000,000	 Expected Completion: Winter 2021/Spring 2022 
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 the existing functionally obsolete two-lane bridge with a new two lane bridge. Located on Road 204 over Wutchumna Ditch, 0.1 miles south of Avenue 336. Funding: Highway Bridge Program (HBP) - Federal	<ul style="list-style-type: none"> Final design in progress. Right of Way certification expected April 2020. Construction anticipated to start fall 2020. 	Right-of-Way: \$ 100,000 Expenditures: \$ 475,735 Other Phases: Right-of-Way: \$ 500,000 Construction: \$ 1,100,000	 Expected Completion: Fall 2020 

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Alpaugh Complete Street Improvements Project  Photo of Center St, near the Alpaugh Elementary School Crossing at Wilbur Road & Center St.	District: No. 2 – Pete Vander Poel III Division: MG2 – 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 (btwn Road 16 & Railroad crossing at Ave 56) shall be placed. Funding: Measure R	<ul style="list-style-type: none"> • ROW staking request was submitted. • PS&E is at 60% design. Nearing completion of phase. • CEQA Determination is being finalized. • Appraisal process has initiated 	Design: \$ 75,000 Expenditures: \$ 85,273.78 Other Phases: Right-of-Way: \$ 50,000 Construction: \$ 3,500,000	 Expected Completion: Fall 2020 Design → R-O-W → Const.
East Orange Avenue (John J. Doyle Elementary) Pedestrian Crossing Enhancements Project  Photo of Midblock Crossing along East Orange Avenue.	District: No. 5 – Dennis Townsend Division: MG2 – Roads Designer: Tulare County RMA Contractor: TBD	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"> • 60% QC Review in progress. • NEPA Clearance document has been received. • E-76 for ROW phase has been received and filed. 	Design: \$ 37,800 Expenditures: \$ 30,975.36 Other Phases: Right-of-Way: \$ 15,000 Construction: \$ 187,000	 Expected Completion: Summer 2020 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/striping, etc.). Funding: Federal (HSIP)	<ul style="list-style-type: none"> • 30% phase in progress. • Environmental studies are required before NEPA clearance document is issued. • A&E Consultant contract is being negotiated. 	Design: \$ 250,000 Expenditures: \$ 45,290 Other Phases: Right-of-Way: \$ 225,000 Construction: \$ 2,297,800	 Expected Completion: Summer 2022 Design → R-O-W → Const.

Project Name	Contacts	Description	Progress Update	Project Budget	Completion
Avenue 232 Safety Improvement Project  Photo of Ave 232/Road 36 Intersection	District: No. 2 – Pete Vander Poel III 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"> First-written offers submitted. 100% PS&E is the next milestone. RFA for Right-of-Way phase was submitted and approved by Caltrans. 	Design: \$ 130,000 Expenditures: \$ 127,000 Other Phases: Right-of-Way: \$ 300,000 Construction: \$ 1,500,000	 Expected Completion: Spring 2020 Design R-O-W Const.
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"> 90% PS&E in progress 100% PS&E is the next milestone. 	Design: \$ 30,000 Expenditures: \$ 34,400 Other Phases: Right-of-Way: \$ N/A Construction: \$ 330,000	 Expected Completion: Spring 2020 Design R-O-W Const.
Harvest Avenue Improvements Project  Photo of Existing Harvest Avenue Roadway Conditions	District: No. 4 – Eddie Valero Division: MG2 – Roads Designer: Tulare County RMA Contractor: TBD	Improvements on Harvest Ave. between Road 64 and Road 68 include full reconstruction of existing roadway, installation of storm drain system, installation of curb & gutter, and sidewalk. Funding: Measure R	<ul style="list-style-type: none"> 90% PS&E in progress. Right-of-Way acquisition in progress. 100% PS&E is the next milestone. 	Design: \$ 60,000 Expenditures: \$ 68,400 Other Phases: Right-of-Way: \$ 20,000 Construction: \$ 1,000,000	 Expected Completion: Spring 2020 Design R-O-W Const.

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 1:

For January, work highlights performed by Management Group 1 are as follows:

ROAD MAINTENANCE			
Work Performed	LAST Month Total	THIS Month Total	Percent Increase/Decrease(-) from Prior Month
Potholes Patched	80593	52350	-35%
Shoulder work (Lane miles)	3	74	2275%
Blade Patches (Miles)	7	2.5	-64%
Bridges maintained	27	8	-70%
Constituent requests	140	112	-20%
After hour call-outs	4	7	75%

- Graphs showing a comparison of the work performed in 2019 and 2020 by the Roads Department is attached to the end of this report.

The STEP UP students of Strathmore Middle School contacted RMA staff regarding safety concerns of speeding vehicles in front of their school. In collaboration between the students and staff members of RMA and school officials, RMA installed a driver feedback sign on Orange Belt Drive (see picture below). At their request, on January 27 RMA staff presented a short presentation for the STEP UP students regarding the functions of RMA, more specifically the roles of RMA Groups 1 and 2 on identifying and funding safety improvement projects. Pizza and drinks were provided by the school; TCaT provided free pens and cups for the students. This was a great outreach event.



ROAD DISTRICT 1:

Activities in January include:

Shoulder work on intersection of Avenue 264 and Road 188:



Shoulder work on Road 210 between Avenue 280 and State Route 198:



- Patched approximately 2,203 potholes.

ROAD DISTRICT 2:

Activities in January include:

Bridge rail repaired on Road 96 near alignment of Avenue 168:



Built an AC ramp in Pixley near the post office:



- Patched approximately 20,245 potholes.

ROAD DISTRICT 4:

Activities in January include:

Bridge headwall repaired on Avenue 368:



Repaired washout on Mountain Road 348:



- Patched approximately 16,300 potholes.

ROAD DISTRICT 5:

Activities in January include:

- Repair washout on Mountain Road 109 near MP15.5:



- Plowed snow on M9:



- Patched approximately 13,602 potholes.

TRAFFIC CONTROL:

Activities in January include:

SIGN MAINTENANCE

Work Performed	Last Month Total	This Month Total	Percent Increase/Decrease(-) from Prior Month
New signs installed	28	19	-32%
Routine maintenance of signs	61	238	290%
Vandalized signs repaired/replaced	68	53	-22%
Worn traffic signs repaired/replaced	2	119	5850%
Miles of Road striped	83	36.5	-56%
Stencils installed (Sq ft)	296	146	-51%
Traffic signal/light repair	3	4	33%
Illegal signs Removed from Right of Way	0	0	0%

- Installed RFB at near Strathmore Middle School on Orange Belt Drive:



- Striped Avenue 328 on ride-on striper:



TRAFFIC DIVISION:

- Staff reviewed constituent requests for Stop signs, speed advisories, etc. as they were received;
- Evaluating concern for traffic speed on Road 224 (Westwood) between Friant-Kern Canal and Avenue 192;
- Evaluating Plainview community request to install truck parking weight limit signs and prepare Agenda Item;
- Contact with various school districts regarding their concerns for traffic safety devices and signage;
- Continued gathering traffic data information as requested for pre and post construction projects.

ENCROACHMENTS:

ENCROACHMENTS

Work Performed	Last Month Total	This Month Total	Percent Increase/Decrease(-) from Last Month
Photos taken for encroachments, collisions, etc.	134	189	41%
Calls of complaints, violations	14	22	57%
Encroachments cases opened - Letters sent	3	5	67%
Encroachment cases closed due to compliance	4	3	-25%
After hour alarm calls for roadyards	3	4	33%
Miles driven to patrol roads	2162	2184	1%

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

- Received 4 after-hour calls for tripped alarms;
- Met with two farmers and one property owner on encroachment violations;
- Encroachment case closed for tree/shrubs encroaching on right-of-way and obstructing Stop ahead sign:

Before



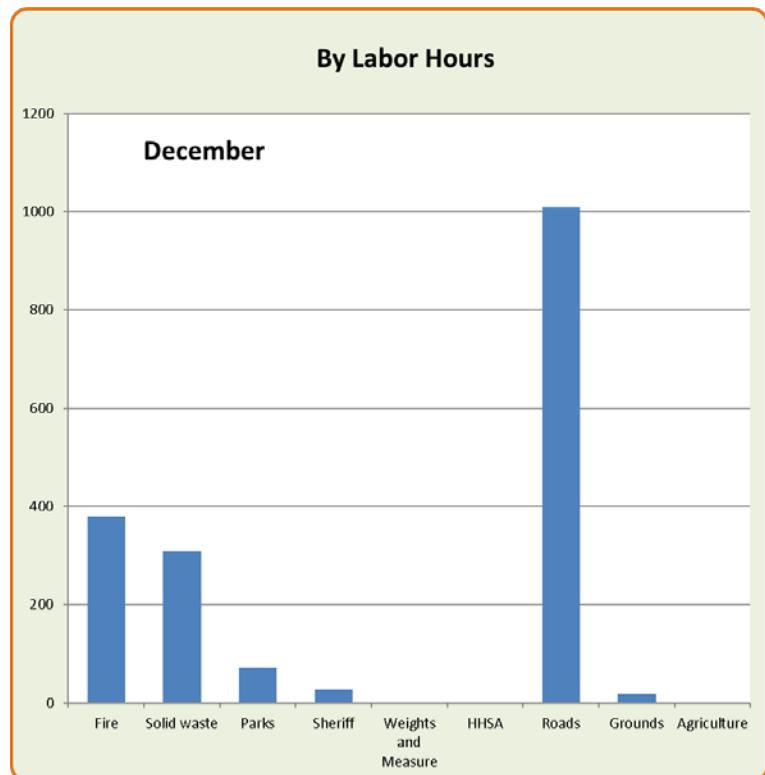
After



HEAVY EQUIPMENT MAINTENANCE DIVISION:

For the month of January, the Heavy Equipment Shop maintained various pieces of equipment for 7 agencies completing 360 work orders for a total of 1,816.5 hours as shown in the chart below:

Agency	Work Orders	Labor Hours
Fire	38	380.5
Solid waste	43	309
Parks	14	71
Sheriff	7	27
Weights and Measure	1	0.5
HHSA	2	1
Roads	251	1009.5
Grounds	4	18
Agriculture	0	0
Total	360	1816.5



MANAGEMENT GROUP 2:

ASSISTANCE TO ECONOMIC DEVELOPMENT/PLANNING PROJECTS

Public Works provided GIS Maps to other branches of the Resource Management Agency. In January 70 maps were provided to the Planners for 14 separate projects.

ENCROACHMENT PERMITS

Staff processed a total of 48 new encroachment permit applications in January. Winter weather is slowing the construction and permitting projects; however, our department remains quite busy with year-end efforts to complete some major projects, while still awaiting the permanent filling of a vacant position. Daily inspections continue for 25-30 daily/recurring active projects, and 4 tracts/parcel improvement projects. The overall permit numbers from this year put it as one of our highest on record.

January Permit Project Review:

- Review for emergency pipeline replacement of a section of L.S.I.D. pipeline in northern Lindsay area. This pipeline is leaking too much to wait for the rest of the project this summer.

January Permits Processed:

- Processed and issued a total of 83 transportation permits comprised of: 12 rider permits, 14 single-trip permits (including over-sized or overweight loads) and 69 blanket/annual permits;
- Issued 2 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;

- Reviewed permits for 1 house structure relocation;
- Processed documents, reviewed traffic control plans/routes, and issued 1 special event/parade permits.

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

Gas Company – ENC1900512 Pipeline installation for pressure betterment project. Work began in November in this small portion of the west county pressure betterment project and is approximately 85% complete. The major portions of the pipeline have been welded and the bore and casing placed under the waterway canal. This project will install a 6-inch gas main pipeline on Avenue 260, near Road 52. Plan review, bid meeting consultations and permitting for this project have all been completed by our department and the project is currently underway welding and trenching for the pipeline installation. Estimated costs are in the \$1,000,000 or less category. This project is near the Kings/Tulare county lines, west of Tulare.

Parcel Map Improvements/Sequoia Commons (Self-Help Enterprises):

The final punch list items are now in the process of completion. The project should close in January of 2020. These parcel improvements are along Riggins Avenue in the Goshen area, and have constructed and paved a new road, Florence, as well as the completion and improvement of the intersection with Riggins and Road 76. The improvements for the multi-family dwellings are mostly on sight and private property, but the project links with another phase of Self-Help single-family improvements. Sidewalks, ADA ramping and access, along with stenciling and signing are all substantially complete.



Tract Map–789/Goshen Village Phase 1: Construction of the portion of the tract along Avenue 310 in Goshen has progressed; paving is complete on Phase One (including Avenue 310 frontages); model homes are nearing completion, as well as several structures within the tract. This project will also include improvements to the entire area between Avenue 308 and Avenue 310, making available more than 70 single dwelling residential building lots. Work on the underground improvements to the internal portion of the tract is substantially complete but has slowed due to delays in utility scheduling and weather. County inspectors have been providing oversight for water, sewer and storm drain pipelines, utility trenching including electrical, gas, telecom and cable services. Also included in the inspection duties are the subgrade structures, compaction testing and paving sections, curb and gutter, sidewalks and all ADA installations. Remaining punch list items for Phase One completion are being completed as weather permits and will be ready for pending approval soon.





ENC1900042: Avenue 396 curb, gutter and paving is substantially complete and has been connected to the city limits of Kingsburg. Roads and improvements inside the tract are substantially complete. An encroachment permit was issued for substructure work that is now complete within the current right-of-way of Avenue 396. Our inspectors provided oversight for water main pipelines, sewer and storm drain pipelines, utility trenching including electrical, gas, telecom, and cable services. Also included in the inspection duties are the subgrade structures, testing and paving sections, curb and gutter, sidewalks and all ADA installations. Final items are being addressed for project completion. Model homes have been constructed and are substantially complete at this time. This map includes details and specifications from the City of Kingsburg, under agreement with Tulare

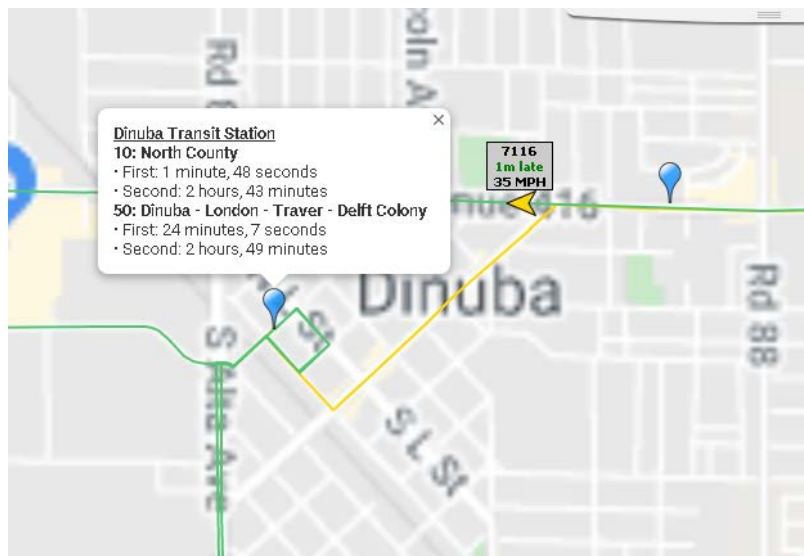
County, and will require additional knowledge from our inspectors to keep both standards of Tulare County and the approved plans in mind. Phase 2 of this tract is set to begin in January or February of 2020.

MANAGEMENT GROUP 3:

TRANSIT

Staff completed final installation of Wi-Fi routers in all buses in preparation for public Wi-Fi access on all TCaT buses. Route testing is in process and staff are working with IT to develop a public Wi-Fi policy before public roll out of new Wi-Fi service.

One week after final installation of Wi-Fi routers and during the Local Motion Awards, an unattended TCaT bus was stolen from the Visalia Transit Center. TCaT dispatch was immediately contacted by the driver and they were able to track the bus using the newly installed system and directed Visalia Police to the bus, the bus was recovered with no damage to any property. The following is a screenshot showing this tracking technology focusing on the feature that describes when buses will arrive at certain major stops:



Bus shelter placement has been completed in Delft Colony per public request at Town Hall meeting held in October 2019. Staff also received a request from the public at the Monson-Sultana Town Hall meeting where a request for a shelter to be placed at the Post Office stop. After completing a ridership study staff were able to relocate an existing shelter to the higher ridership stop in Sultana.



Staff contracted with TRC Engineering Services (TRC) in November 2019 for TCaT to ensure that its contractor MV Transportation, is maintaining buses owned by TCaT in accordance with its contract provisions. The audit consisted of a fleet inspection and maintenance record review of 12 buses. The results from this audit showed 58 total defects, or an average of 4.83 defects per bus. Class “A” defects were found, or .58 defects per bus, and 51 Class “B” defects were found, or 4.25 per bus. Class “A” defects are safety related defects that requires immediate removal from service and keeps the vehicle from returning to revenue. All safety related defects were repaired at that time. Class “B” defects are non-safety critical defects that requires attention during the next scheduled preventive maintenance service interval. TRC also provided a few additional recommendations, including: additional training for drivers and mechanics to identify Class “A” defects to help eliminate future out-of-service defects, closely inspecting all buses for fluid leaks and correcting any issues as quickly as possible, and ensuring that the entire fleet has current CNG tank inspection documentation on file, as some CNG inspection files were missing and/or lost.

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 December:

	December	Prior December	Change	FYTD	Prior FYTD	Change
Total Ridership	20,279	19,861	2.1%	137,515	142,383	-3.42%
Fixed Route Ridership	19,946	19,351	3.07%	134,844	138,716	-2.79%
Demand Response Ridership	333	510	-34.71%	2,671	3,667	-27.16 %
Fixed Route Passengers per Mile	.25	.26	-3.85 %	.26	.29	-10.34 %
Demand Response Passenger per Hour	1.57	1.64	-4.27%	.09	1.76	-94.89 %

Staff are attempting to finish the Transit Development Plan Extension (TDPE) for adoption in February or March, and afterwards will issue a report discussing the transit system’s performance in FY19/20, comparing it to appropriate metrics to be included in the TDPE.

ZONES OF BENEFIT

Operations and maintenance of Zones of Benefit sewer systems continued with **no spills** in the sewer systems for the month of January 2020.

Operations and maintenance of Zones of Benefit water systems continued in January 2020 with **no known service interruptions** in all water systems.

The community of Seville has been connected to the new water distribution system but the boil-water notice remains in effect until such time as the programming and controls at the tank site are finalized. Two 5,000 gallon non-potable water tanks are still available to the school and the community.

The table below summarizes the data available for the water production and wastewater treatment for the month of December. There is no data for the lift station at El Rancho, as there is no flow totalizer. There is no data for Delft Colony water system due to totalizer is non-operational, staff is working to replace totalizer.

Zone of Benefit - Water & Wastewater Volumes December 2019				
Sewer Systems			Water Systems	
Total Monthly Flow (Gallons)		% Capacity	Total Monthly Flow (Gallons)	
Delft Sewer	816,720	46%	Delft Water	Totalizer Under Repair
Seville Sewer	603,860	39%	Seville Water	1,247,800
Yettem Sewer	465,720	36%	Yettem Water	518,500
Wells Tract Sewer	499,000	85%	Wells Tract Water	575,840
Tonyville Sewer	373,180	17%		
Tooleville Sewer	669,352	62%		
Traver Sewer	1,163,926	42%		
TBSMD	5,407,671	58%		
El Rancho Sewer	Treatment provided by City			
TOTAL		9,999,429	TOTAL 2,342,140	

WATER & SEWER PROJECTS

Staff are working with the designer, the Water Board, Self Help Enterprises, and the Yettem-Seville Community Services District towards the completion of the Phase 2 Construction application to fund the intertie between Yettem and Seville, a new well, and other improvements in Yettem.

Staff received the final deliverable from AECOM for the Traver Sewer Project and are working to close out the project.

CENTRAL ROAD YARD WATER SYSTEM

RMA Staff will be meeting with the State Water Board on February 3, 2020 to review final requirements to bring the TOMF water system online and interconnect the Central Road Yard water system to the TOMF. It is expected that the old Central Road Yard well will be abandoned after the systems are fully integrated and the consolidation approved by the State Water Board. Pending state review and approval, Staff hope to complete this work and bring the interconnected water system fully online by the end of February.

FLOOD CONTROL

The Flood Commission did not meet in January as several commissioners were out of state at a conference. Staff are working with the commissioners on revisions to the Flood Commission meeting schedule, and will propose that the Commission meet quarterly instead of monthly going forward. The Commission will consider this change of schedule at their next scheduled meeting in February.

There were some storm events throughout January, but there was no significant or notable flooding or storm related issues. Seasonal closures on M50 (Johnsondale Highway) and M107 (Western Divide Highway) began in November and will remain in effect until Spring.

Staff continues to work with US Bureau of Reclamation (BOR) and the Friant Water Authority to obtain a permit for the Strathmore FKC Flood Improvement Project. Staff are preparing a model of the 100-year storm event defined by the BOR for the design. Additional surveying has been completed to refine the model. Redesign of the project per BOR is being finalized for submittal. Staff are planning to have the model and redesign ready to meet with the stakeholder groups again at the end of February.

SEQUOIA FIELD AIRPORT

On January 28, 2019, the Board of Supervisors rejected all bids for the Navigation Aids project and authorized the re-advertisement of the bid subject to revisions in accordance with direction by the Federal Aviation Administration. Staff will advertise the new bid in Early February with bids to be opened at the end of February or early March.

MANAGEMENT GROUP 4:

SURVEYOR'S OFFICE

The activities and projects in process and/or completed in January 2020 are as follows:

Certificate of Compliance	1	Public Document Requests	34
Corner Record	163	Record of Survey	30
Merger of Parcels	3	Vacation of Right of Way	1
Parcel Map	19	Tract Map	6
Lot Line Adjustment	3	Waived Parcel Map	1

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

2nd Street Orosi Drive Intersection
AAC Road 120 and Avenue 416
Alpaugh Center Street
Avenue 280 Widening
Betty Drive/Road 67
Bridge: Avenue 204 Wutchumna
Bridge: Avenue 424 Traver Canal

Encroachment (multiple)
Farm to Market Rehab 2.0
Road Project Development
RMRA 19 Road 192
RMRA 19 Road 204
Strathmore-Frazier Creek

Respectfully submitted,

Reed Schenke

REED SCHENKE, PE
Director

RS/nw

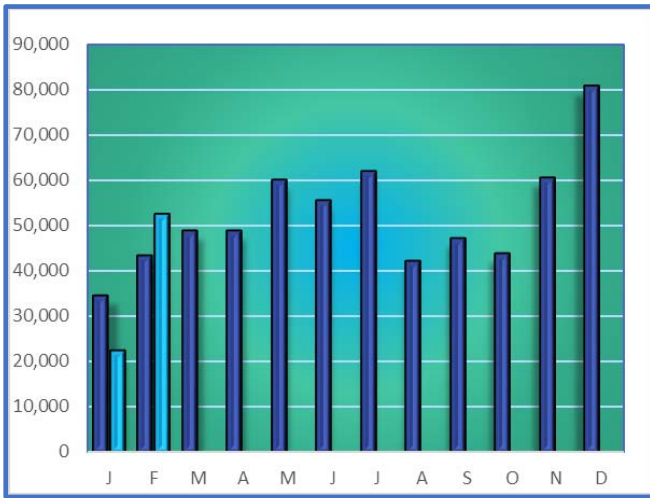
cc: Michael Washam, RMA Associate Director
Sherman Dix, RMA Fiscal Services Director

Tulare County RMA – Road Maintenance Activities

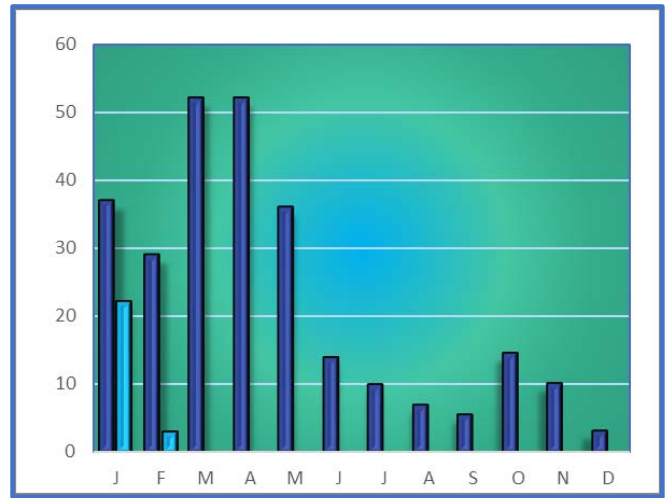
January 2020
Dark Blue = 2019 Light Blue = 2020



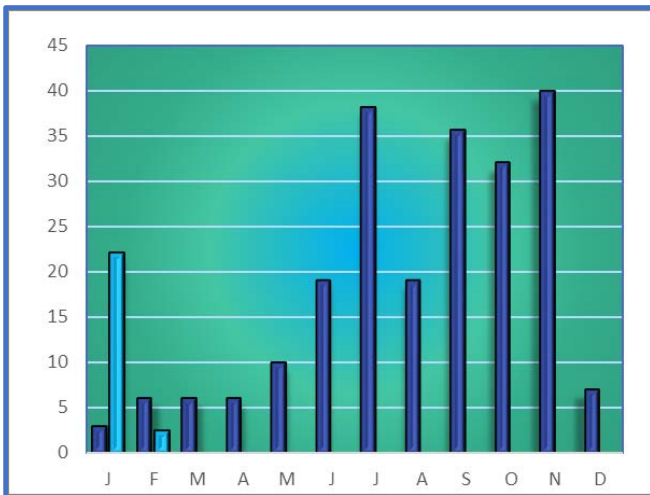
Potholes Patched



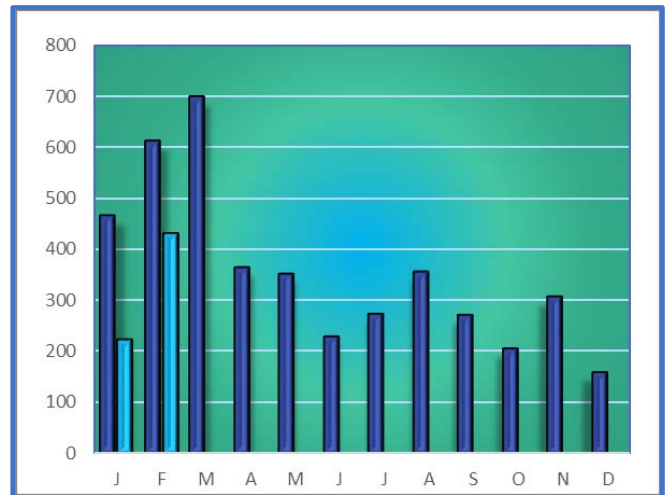
Shoulder Maintenance (miles)



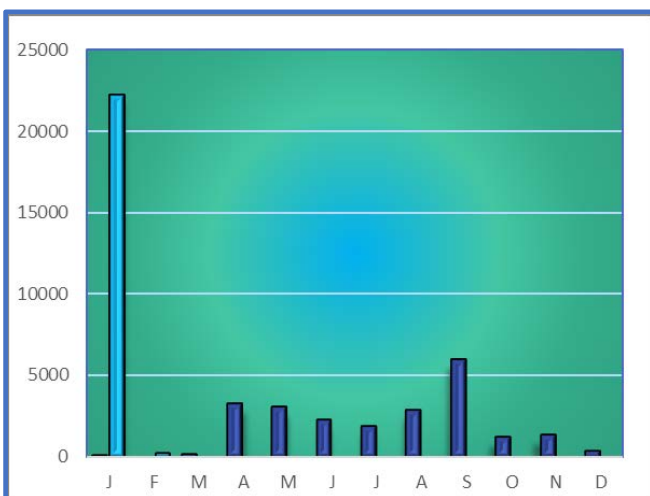
Traffic Signs



Blade Patch (miles)



Road Stencil (sq ft)



Road Stripe (miles)

