

**Operation Manager's Report
RMU Board of Public Works Meeting**

**Date of Report:
February 28, 2023**

CURRENT WORK	
Location and Description	Timeline
Electric	
McCutchen Drive from 18th Street to Harvey Lane: Relocate existing overhead 34 kV sub-transmission and 12 kV overhead distribution and rebuild some overhead distribution.	In Progress. Milestone: 34 kV energized on December 14, 2022.
MO S&T General Services Building and Dangerous Materials Storage Building: Overhead and underground primary extensions, new transformer, and metering for commercial development.	In progress
712 South Bishop: Replacement of pole, underground primary extensions, new transformer, and new metering for commercial development. New transformer to also serve 706 South Bishop.	Completed: February 16, 2023
1600 Old Wire Outer Road (EJ Holdings): Installation of new pole and underground electric distribution system extension in conjunction with commercial redevelopment.	Completed: February 20, 2023
Tower Road Substation: Failure in cubicle for circuit 1 on January 30, 2023. Replacement of conductors from substation to riser poles for circuits 1 and 3. Repairs as needed for cubicle for circuit 1.	In progress
Lions Club: 2 poles and 2 pole mounted transformers removed after windstorm on February 14, 2023. RMU primary electric, transformers and related infrastructure will be replaced at a later date.	Pending work by Lions Club contractor
900 to 904 Laurel: Replaced one pole.	Completed
5 Nippert Drive: Pole replacement	Completed: February 7, 2023
HyPoint Well #2: Conversion of service line from overhead to underground, including new padmounted transformer and metering.	In Progress
Heritage Substation: Upgrade SCADA communications with installation of new RTU connected via fiber and and elimination of use of old RTU connected via radio.	Completed
Fiber	
MO S&T GSB Facility: Extension of fiber system to new MO S&T General Services Building on Spruce Drive	Completed
Nagogami Substation to Nagogami Standpipe: Extension of fiber system to reduce reliance on radios.	In progress
Water	
18th Street from Holloway Street to Old St James Road: Replacement of old water main with new 8" main.	Completed
Holloway Street from Arkansas Avenue to 18th Street: Replacement of old water main with new 12" main.	In progress
Sycamore Drive from Highway O to Cedar Hill Court: Replacement of old water main.	In progress
Service line adjustments for new sidewalk and street renovations: Elm Street from 14th Street to Bishop Avenue	In progress
East portion of Green Acres: Replace service lines in advance of City street micropaving project.	In progress
MO S&T relocation of water meter on State Street north of 11th Street.	Pending work by University contractor

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Well HyPoint 2: Fire on January 30, 2023.	In Progress
Well HyPoint 3: Placing well into service.	MO DNR Inspection: February 21, 2023

AESTHETIC CHANGES THIS PERIOD	
6th Street between Olive Street and Walnut Street: Removal of overhead distribution system no longer in use.	RMU overhead removed. Pole removal pending removal of attachments.
8th Street west of Olive Street (old service to old MFA grain elevator)	Removal of overhead primary over 8th Street and one pole.
Nippert Drive	Replaced 2 spans of primary overhead with 2 spans of secondary overhead.

FUTURE IDENTIFIED WORK	
Location and Description	Timeline
Electric, Water, and/or Fiber	
MO S&T Protoplex: New electric and water services for new development.	Pending University work
4017 HyPoint North: Building addition	Pending developer work
814 South Bishop Avenue: Commercial redevelopment	Pending developer work
4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.	Pending information from University
1000 North Oak Street: Electric and water service to new Planned Unit Development.	Plan review comments provided
3500 Enterprise Drive: New commercial development requiring new electric and water services.	Plan review comments provided
18th Street from Forum Drive to Farrar Drive: System modifications as needed in conjunction with City sidewalk project.	Pending design information from City
Main Street from 4th Street to 11th Street: System modifications as needed in conjunction with City street, sidewalk, and stormwater project.	Pending design information from City
Electric	
Aintree Road (East and West sides): Replacement of underground primary.	2023
Steeplechase Road (East side): Replacement of underground primary.	2023
Fox Creek Road (West side between Soest Road and Whitehall Road): Replacement of underground primary, including installation of new conduit.	2023
Rolla Senior Apartments (1101 McCutchen): Replacement of underground primary. Review to determine if leaving on 4 kV system or convert to 12 kV system.	2023
100 block of Greentree Road: Convert some overhead primary to underground (including removal from poles owned by Brightspeed) as part of solution for new residential service on previously undeveloped lot.	2023
Ann Lee Estates (Ann Lee Drive located south of Lions Club Drive on South Rolla Street): New underground distribution as subdivision construction takes place.	To be constructed as development of the subdivision progresses.
18th Street from Farrar Drive to Forum Drive: Relocate existing overhead 34 kV sub-transmission and 12 kV overhead distribution to same poles.	Winter 2022/2023

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9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert overhead electric distribution to underground.	2023
9th Street Conversion - Phase 2 (Elm Street to Rolla Street): Convert overhead electric distribution to underground.	2023/2024
Alley west of Rolla St between 8th and 9th Streets: Reconfiguration to accommodate new multi-story residential housing unit.	Pending developer's site work
11th Street from Oak Street to Rolla Street: Utilization of electric conduit system installed earlier.	2023 to 2024
Pine Street from 16th Street to Bishop Avenue: Reconfigure existing system to minimize amount of overhead distribution system in conjunction with City of Rolla street project.	2023 or later pending scheduling by others
Pine Street from 12th Street to Bishop Avenue: New roadway lighting as part of City of Rolla street project. Grant application to request funds for this part of the project is being submitted by City.	Pending grant application review.
909 Facilities Avenue (MO S&T Temporary Research Facility): Revision to electric service to connect directly to RMU.	Pending information from University
Tim Bradley Way east of Highway 63 - MO S&T Parking garage under construction: Potential temporary electric service.	Pending information from University
500 West 2nd Street: Temporary revisions to primary electric and extension of primary electric to to serve expansion.	Pending work by Owner's consultants and contractor and railroad permitting
2184 Farrar Drive: Underground primary extension, new transformer, and metering for commercial development.	Transformer and primary conduit are in place. Pending developer work.
500 South Bishop (WalMart): Owner initiated project to reconfigure from two electric services to one.	Pending contractor work
500 South Bishop (WalMart): Revise electric distribution system.	2023
629 South Bishop: Revise electric service for commercial renovation.	Pending work by others
1735 North Bishop (EV charging station): Underground primary extension, new transformer and metering.	Pending contractor work. Pole set: December 5, 2022
4030 and/or 4040 HyPoint North: Electric service modification(s).	Pending developer work
3860 HyPoint Blvd: Conversion of electric service at request of owner.	Pending owner progress
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Plan review comments provided
100 Fairgrounds Road: Conversion of electric service from 120/208 to 277/480 to allow for installation of EV charging	Pending work by contractor
Fairgrounds Road: Kingshighway to Gale Drive: Conversion of overhead distribution from 4 kV to 12 kV	Pending work by contractor for 100 Fairgrounds Road
Tower Road Substation: Replacement of main breaker.	Estimated delivery: March 2023
MO S&T substations	Pending University work
RMU switchgear at Phelps Health	Undetermined
RMU switchgear at Hartmann USA	Undetermined
Net metering: Monitoring of testing and insurance requirements, review of applications, and installing new metering.	As needed
Generators: Installation of louvers over openings in containers.	Pending proposal
Water	
Eastwood Drive: Replacement of old water main.	Winter 2022/2023
Elmwood Drive: Replacement of old water main.	Winter 2022/2023

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Main Street from 9th Street to 10th Street: Replacement of old water main.	Spring 2023
10th Street from Main Street to Rolla Street: Replacement of old water main.	Spring 2023
Rolla Street from 10th Street to 11th Street: Replacement of old water main.	Spring 2023
10th Street from Main Street to State Street: Abandonment of old water main.	Spring 2023
Bardsley Road from 14th Street to 16th Street: Replacement of water main in conjunction with new residential development.	First half of 2023
Strobach Street, South Walker Avenue, and South Spillman Avenue: Replace water main and/or service lines as needed in conjunction with City street overlay project.	2023
7th Street: Holloway Street to Grandsir Avenue: Replace water main and/or service lines and/or adjust meter pit locations as needed in conjunction with City street and sidewalk project.	2023
South Olive Street: Replace water main and/or service lines as needed in advance of City street micropaving project.	2023
Avon Court: Replacement of old water main.	As time allows
Lead Service Line inventory.	EPA deadline: October 16, 2024
Water main extension(s) to development area(s) utilizing \$2 million of funds allocated by Legislative Priority Projects by State of Missouri for water and wastewater improvements.	Submitting information to MO DNR as required.
Fiber	
9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert existing overhead to underground.	2023
9th Street Conversion - Phase 2 (Elm Street to Rolla Street): Convert existing overhead to underground.	2023/2024
Rolla Public Schools RTC building: Reconfigure RMU fiber going into and through the building.	2023
Fiber extensions requests for customers.	As requested

MISCELLANEOUS	