

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

**Date of Report:**  
**July 6, 2023**

<b>CURRENT WORK</b>	
<b>Location and Description</b>	<b>Timeline</b>
<b>Electric</b>	
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.
18th Street from Forum Drive to Farrar Drive: System modifications as needed in conjunction with City sidewalk. Revisions include moving some existing overhead on south side of 18th Street to north side with other overhead lines instead of parallel systems on both sides of the street.	In progress
Tower Road Substation: Replacement of main breaker.	Breaker has been received. Will be installed when station is offline for other repairs.
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
Review of transformer sizing relative to customer loads for some larger transformer locations.	In progress
MO S&T East Substation: Extension of overhead 34.5 kV system and installation of new metering.	RMU metering has been installed. Pending work by University contractor.
Alley west of Rolla St between 8th and 9th Streets: Reconfiguration to accommodate new multi-story residential housing unit.	Completed
1735 North Bishop (EV charging station): Underground primary extension, new transformer and metering.	Pending contractor work that has commenced.
814 South Bishop Avenue: Commercial redevelopment	Pending developer work
Sunny Drive: Installation of transformers and underground conductor to serve new residential housing units. Installation of roadway lighting also.	As needed as development continues
550 Cottonwood Drive Single Family Residential housing start that required underground distribution system extension of about 500 feet.	Completed
Generators: Installation of louvers over openings in containers to better retain heat in the units when not in operation.	Purchase order issued for installation at one unit.
Generators: Removal of at least one baffle in units to improve air flow.	Completed
Generators: Quarterly testing and preventative maintenance reviews.	Completed
Additional pole attachments by multiple companies expanding telecommunications infrastructure in Rolla. Additional attachments will involve hundreds of poles.	In progress
Installation of services, pole replacements, and other work as needed to accommodate installation of new radio read equipment being installed by Ameren for reading meters.	In progress

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<p>Pole review for condition of poles owned by RMU and others to which RMU is attached. Total number of poles in RMU GIS = 6,705 Audits completed = 2,957 Owned by RMU identified as needing Immediate Attention = 232 Owned by Brightspeed identified as needing Immediate Attention = 49</p>	In progress
<p>Repairs to and replacements of poles as needed as identified by pole audit. Work includes repairs to anchoring, crossarms, insulators and similar and replacement of the entire pole system if necessary. Some work has been on an emergency basis while others will take place over time depending upon the severity of the problem.</p>	In progress
<b>Fiber</b>	
Nagogami Substation to Nagogami Standpipe: Extension of fiber system to reduce reliance on radios.	In progress
9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert existing overhead to underground.	In progress
Installation of service to new MO S&T General Services Building	Completed
Well 7: Converted SCADA connectivity from radio to fiber	Completed
Network security improvements	In progress
<b>Water</b>	
Holloway Street from Arkansas Avenue to 18th Street: Replacement of old water main with new 12" main.	Completed
18th Street from Maxwell Street to Farrar Drive: Replacement of old water main.	In progress
Bardsley Road from 14th Street to 16th Street: Replacement of water main in conjunction with new residential development.	In progress
East portion of Green Acres Drive: Replace service lines in advance of City street micropaving project.	Completed
7th Street from Holloway Street to Murry Lane: Replace service lines in advance of City resurfacing project.	Completed
18th Street between Farrar Drive and Forum Drive: Adjustments in conjunction with city sidewalk improvements.	Completed
Hy Point Standpipe: Drain, washout, and review of interior coating system.	Completed
Well 3: Replacement of motor and pump, new electric service to building, refurbishment electrical, control, and chemical feed systems.	In progress
HyPoint Well 3: Placing into operation.	Results of testing have been received from MO DNR. Scheduled to commence operation in mid-July.
Nagogami Pressure Zone: Consideration of water distribution system improvements to development area(s) north of I-44. Any improvements would likely utilize the \$2 million of funds allocated by Legislative Priority Projects by State of Missouri for water and wastewater improvements.	Engineering study to develop Preliminary Engineering Report is in progress

<b>AESTHETIC CHANGES THIS PERIOD</b>	
Alley between 9th Street and 10th Streets west of Rolla Street: Removal of 2 spans of overhead electric.	Completed
South of Monterey Court, San Fernando, Malubu and Carmel Courts - removal of multiple spans of overhead electric distribution system, including attachments by others.	Completed
6th Street between Olive Street and Walnut Street: Removal of poles	Removal of poles pending work by others to remove attachments
Bridge School Road: Brightspeed completing transfers to allow for removal of poles.	In progress
10th and Bishop: Removal of multiple poles no longer needed due to demolition of buildings.	Completed
State Street north of 11th Street: Removal of overhead electric and poles.	Pending completion of work by University contractor when job trailer no longer needs electric service.

<b>FUTURE IDENTIFIED WORK</b>	
<b>Location and Description</b>	<b>Timeline</b>
<b>Electric, Water, and/or Fiber</b>	
MO S&T Protoplex: New electric and water services for new development.	Review of Design Development plans and providing feedback to design team.
4017 HyPoint North: Building addition	Comments based on review of plans for permit have been provided. Pending response(s) from Owner and / or Consultant.
4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.	Pending work by University contractor
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
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Pending communications from Developer
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
612 North Pine Street renovations	Pending design information
<b>Electric</b>	
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. Also converting to operate on 4kV system instead of 12kV system.	2023

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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.
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
11th Street from Oak Street to Rolla Street: Utilization of electric conduit system installed earlier.	2023 to 2024
Removal of overhead system: 11th Street from Bishop Avenue to State Street and State Street north of 11th Street	To be completed when University contractor no longer needs service to temporary job trailer.
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
500 South Bishop (WalMart): Owner initiated project to reconfigure from two electric services to one.	Pending information from Owner and Consultants
500 South Bishop (WalMart): Revise electric distribution system.	Pending improvements by customer
629 South Bishop: Revise electric service for commercial renovation.	Pending work by others so timeline is unknown.
4030 and/or 4040 HyPoint North: Electric service modification(s).	Comments based on review of plans for permit have been provided. Pending response(s) from Owner and / or Consultant.
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
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

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<b>Water</b>	
Eastwood Drive: Replacement of old water main.	As time allows
Elmwood Drive: Replacement of old water main.	As time allows
Sycamore Drive from Cypress Drive to Cedar Hill Court: Replacement of old water main.	Winter 2023/2024
Cedar Hill Court: Replacement of old water main.	Winter 2023/2024
Mimosa Court: Replacement of old water main.	Winter 2023/2024
10th Street from Main Street to Rolla Street: Replacement of old water main.	Summer 2023
Rolla Street from 10th Street to 11th Street: Replacement of old water main.	Summer 2023
10th Street from Main Street to State Street: Abandonment of old water main.	Summer 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
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
<b>Fiber</b>	
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