

Operations Report
RMU Board of Public Works Meeting

Date of Report:
October 3, 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.	Completed
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.	Completed
1000 North Oak Street: Electric and water service to new Planned Unit Development.	In progress
Rolla Senior Apartments (1101 McCutchen): Replacement of underground primary. Also converting to operate on 4kV system instead of 12kV system.	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. Scheduled for 1st week of October,
Tower Road Substation: Replacement of underground portion of circuits 1 and 3 and relocating riser for circuit 3. All 3 circuits ill have been replaced.	In progress
MO S&T South Substation: Extension of overhead 34.5 kV system and installation of new metering.	Energized RMU feed to S&T substation: September 20, 2023
814 South Bishop Avenue: Commercial redevelopment	Completed
702 North Bishop Avenue: Commercial redevelopment, including replacement of old pole.	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.
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
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.	In progress
Fiber	
Nagogami Substation to Nagogami Standpipe: Extension of fiber system to reduce reliance on radios.	As time allows
9th Street Conversion - Phase 1 (9th and Rolla Street to 10th and State Street): Convert existing overhead to underground.	In progress
Network security improvements	As time allows

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Fiber service to Phelps County Courthouse	In progress
MPUA assistance with fiber in Fredericktown for MoPEP generation unit	In progress
Water	
Bardsley Road from 14th Street to 16th Street: Replacement of water main in conjunction with new residential development.	Completed
Avon Court: Replacement of old water main.	In progress
7th Street from Cedar Street to Holloway Street: Replace service lines.	In progress
Well 3: Replacement of motor and pump, new electric service to building, refurbishment electrical, control, and chemical feed systems.	Placed into service: September 11, 2023
Insurance Services Office - Public Protection Classification: Overall classification remained as a 2 (with 1 being best on scale of 1 to 10). Water system score: 29.71 out of 30. Fire hydrants score: 2.99 out of 3.	5 year review cycle completed in 2023
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

AESTHETIC CHANGES THIS PERIOD	
Bridge School Road: Brightspeed completing transfers to allow for removal of poles.	As Brightspeed makes transfers
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.
McCutchen Road: Harvey Lane to Liberty Drive	Completed

FUTURE IDENTIFIED WORK	
Location and Description	Timeline
Electric, Water, and/or Fiber	
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
3500 Enterprise Drive: New commercial development requiring new electric and water services.	Plan review comments provided
4030 and/or 4040 HyPoint North: Electric service modification(s) and revisions to RMU water distribution main.	Comments based on review of plans for permit have been provided. Coordinating logistics with contractors, consultants, and owner.

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3700 HyPoint Drive: Electric service revisions and water service addition.	Plan review comments provided
1011 West 14th Street: Commercial development that will included new electric and water services plus possibly requiring relocation of some existing overhead electric distriction facilities.	Pending information from Owner
11th and Rolla Street: Commercial development	Pending information from Owner
4120 Highway V: Commercial development	Pending more information
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Pending information 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
810 to 830 East Hwy 72: New water and electric services for new construction.	Comments based on review of plans for permit have been provided. Pending response(s) from Owner and / or Consultant.
Electric	
Review of transformer sizing relative to customer loads for some larger transformer locations.	In progress
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
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 previosuly 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.
Sunny Drive: Installation of transformers and underground conductor to serve new residential housing units. Installation of roadway lighting also.	As needed as development continues
Columbia Avenue: Residential construction requiring electric distribution system improvements.	As needed pending work by owner and contractor.
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
Pine Street from 16th Street to Bishop Avenue: Reconfigre 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

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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.
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Plan review comments provided
2329 North Bishop: New 3 phase underground to commercial renovation.	MoDOT permit received
604 West 7th Street: New service to commercial development.	Pending contractor work.
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
122 West 8th Street: Revisions to electric distribution system to accommodate commercial development.	RMU provided comments to plans submitted for building permit. Pending response and contractor 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.	Testing and Insurance: Due date for all is now October 1 annually. Up to 3 reminders have been sent.
Water	
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
HyPoint Well #2: Conversion to pitless well head, replacement of well house (including piping and chemical feed systems), and interconnecting piping.	In progress
Lead Service Line inventory.	EPA deadline: October 16, 2024

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Fiber	
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