

Operations Report
RMU Board of Public Works Meeting

Date of Report:
November 26, 2024

CURRENT WORK	
Location and Description	Timeline
Electric	
Removal of three delta services, including one of which the meter was inside the building and not in use but the service conductor to the building was still energized.	Completed
Lions Club Drive from Rolla Street to Bishop Avenue (Hwy 63): Work associated with developing connection between Bridge School Road and Dewing Substations.	In progress
Pine Street from 12th Street to Bishop Avenue: New roadway lighting as part of City of Rolla street project.	Pending development of design by City's Consultant and review by planning committee.
Main Street from 10th Street to 11th Street and 11th Street from Main Street to alley east of Rolla Street: New underground distribution system to eliminate overhead in alley east of Rolla Street between 10th and 11th Streets (and some additional overhead) plus provide service to new construction at 1008 North Rolla Street.	In progress
1011 West 14th Street: Commercial development that will include new electric service and requiring relocation of some existing overhead electric distribution facilities serving adjacent customers.	Pending work by Owner's contractor
Aintree Road (East and West sides): Replacement of underground primary.	All customers are being served by new underground. Removal of old overhead pending weather conditions.
Scottsdale Drive to Curtis Drive: Conversion of overhead to underground.	Completed
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Completed
500 South Bishop (WalMart): Owner initiated project to reconfigure from two electric services to one.	In progress
500 South Bishop (WalMart): Revise electric distribution system.	In progress
Distribution circuit connection between Dewing Substation and Bridge School Road Substation: Strobach Street to Lester Drive to Adrian Avenue	Easement has been granted by WalMart. In progress
McCutchen Drive from 10th Street to Truman Avenue: Conversion of overhead electric to underground and conversion from 4 kV to 12 kV distribution system. Will also allow for removal of multiple spans of overhead from poles owned by Brightspeed.	In progress
612 North Pine Street renovations	Coordination with Owner and others.
611 North Pine Street: Reconfiguration of primary electric so that property owner can relocate electric meters.	Pending review by property owner
Rustic Lakes RV Camping (Bridge School Road): Electric services to new development.	Pending information from Developer
Bridge School Road between Blues Lake Parkway and Bridge School Road Substation: Conversion of overhead electric to underground electric in conjunction with new electric services to Rustic Lakes RV Camping.	In progress

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1630 Old Wire Outer Road: New commercial development	Pending work by developer's contractor.
Generators: Installation of louvers over openings in containers to better retain heat in the units when not in operation.	Louvers have installed on all 17 units.
Additional pole attachments by multiple companies expanding telecommunications infrastructure in Rolla. Additional attachments will involve hundreds of poles.	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
Ongoing system improvement as opportunities are available: After discovery of a damaged pole the configuration of poles, wire, etc. were considered and then adjusted such that 4 poles were no longer needed and accessibility to the system was also improved while also maintaining all services.	Completed
Fiber and SCADA	
Nagogami Substation to Nagogami Standpipe: Extension of fiber system to reduce reliance on radios.	As time allows
Additional circuits for customer.	Pending feedback from potential customer
SCADA system: Upgrade to allow for improved remote access for RMU staff.	In progress
Heritage Substation: Conversion of SCADA monitoring from radio to fiber.	Spring 2025
Well #2: Conversion of monitoring from radio to fiber while pump system and electric system improvements are made.	In progress
Well #10: Conversion of monitoring from radio to fiber while pump system and electric system improvements are made.	In progress
Water	
2000 Block of North Bishop Avenue: Water distribution system improvements to relocate water system from conflict with new building and replacement of cast iron water mains.	In progress
7th Street from Pine to Rolla Street: Replacement of old, small line to support commercial redevelopment that will require larger service line.	In progress
Truman Avenue just east of Forum Drive: Upgrade to water distribution system to eliminate fire hydrant tapped to a private fire service line, adjust location of fire hydrant and replace some old main.	In progress
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Developer installing water distribution system improvements.
MO S&T Protoplex: Water distribution system extension.	Developer installing water distribution system improvements.
Ashley Drive: Replacement of copper service lines in advance of new construction.	
Lead Service Line inventory.	Initial inventory submitted

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Well #2: Pump system to be replaced due to diminished output. Electric system upgrades (disconnect, motor starter, and related) along with control system and monitoring to be replaced also.	Piping and related improvements being completed before placing well back into operation.
Well #10: Pump system to be replaced due to diminished output. Electric system upgrades (disconnect, motor starter, and related) along with control system and monitoring to be replaced also.	Old system has been pulled.
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.	Water main replacements: Application for construction permit has been submitted to MO DNR and bid packages being sent to interested parties.

AESTHETIC CHANGES THIS PERIOD	
Cellnet: Removal of old radio read metering equipment from about 30 RMU poles.	Completed
RMU removal of conductor and/or poles no longer needed as result of Cellnet removal of equipment. One example: Removal of one pole at 8th and Main Streets and about 8 spans of overhead conductor (most was on poles owned by others).	Completed
Pershing Lane: Removal of 4 poles and associated overhead.	Completed

FUTURE IDENTIFIED WORK	
Location and Description	Timeline
Electric, Water, and/or Fiber	
4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.	Pending update from Owner's contractor for project schedule.
3701 HyPoint Blvd: Expansion	Discussions with Owner and their Consultants.
Tim Bradley Way: Potential development	Pending feedback after request made to RMU for information about existing infrastructure
Phelps Health: New Emergency Department	Initial information from Owner and consultant to start considering impacts to existing RMU infrastructure and potential solutions for service to new construction.
Old Wire Outer Road west of Sally Road: New US Department of Veterans Affairs facility	Initial information from developer to start design process for infrastructure improvements and new services.
718 North Pine Street: Development of new electric service in conjunction with building remodel.	Discussions with Owner's consultants.

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The Highlands subdivision (Highway 72 South): Development of new residential subdivision.	Preliminary design discussions for overall site. Site plans reviewed for development of 2 lots.
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
600 North Rolla Street: Commercial remodel	Review of plans submitted by developer
408 East 5th Street: Mixed use development	Pending information from Owner and / or their Consultant.
Cedar Trails multi-family development	Pending information from developer and/or their consultants.
Electric	
Heritage Substation: Updating of relay controls and replacement of conductor out of substation for 2 circuits that were not replaced when the other were replaced.	Spring 2025
Highway E Sidewalk Improvements - Vista Drive to north City Limits: Improvements to roadway lighting in conjunction with City project.	Dependent upon schedule of City contractor.
Review of transformer sizing relative to customer loads for some larger transformer locations.	In progress
Steeplechase Road (East side): Replacement of underground primary.	2024
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.	2024
909 Facilities Avenue (MO S&T Temporary Research Facility): Revision to electric service to connect directly to RMU.	Pending information from University
705 South Bishop Avenue: Installation of 480 volt service for installation of EV charging	Pending information from contractor / owner
Distribution circuit connection between Dewing Substation and Bridge School Road Substation	Preliminary design review and discussions with Intercounty Electric about joint attachment in progress.
Highway 63 South from Williams Road to Little Oaks Road - Removal of overhead utilities	Undetermined
10th Street from Cedar Street to Forum Drive: Removal of overhead utilities	Undetermined
Removal of overhead fiber storage and related aesthetics	Undetermined
RMU switchgear at Phelps Health	Undetermined
RMU switchgear at Hartmann USA	Options being considered by RMU staff.
Customer-owned generation facilities - Net metering (less than 100 kW) and PURPA (over 100 kW): Monitoring of testing and insurance requirements, review of applications, and installing new metering.	As needed
Water	
Eastwood Drive: Replacement of old water main.	As time allows

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Elmwood Drive: Replacement of old water main.	As time allows
Cedar Hill Court: Replacement of old services.	2024
Mimosa Court: Replacement of old services.	2024
10th Street from Main Street to Rolla Street: Replacement of old water main.	2024
Rolla Street from 10th Street to 11th Street: Replacement of old water main.	2024
10th Street from Main Street to State Street: Abandonment of old water main.	2024
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.	2024
South Olive Street: Replace water main and/or service lines as needed in advance of City street micropaving project.	2024
HyPoint Well #2: Conversion to pitless well head, replacement of well house (including piping and chemical feed systems), and interconnecting piping.	In progress
Fiber	
9th Street Conversion - Phase 2 (Elm Street to Rolla Street): Convert existing overhead to underground.	2024
Rolla Public Schools RTC building: Reconfigure RMU fiber going into and through the building.	2025
Fiber extensions requests for customers.	As requested

MISCELLANEOUS	
Asphalt Repairs (October 17, 2024 invoice) for Water Distribution System Improvements (Southview Drive).	
Total = \$61,646.68	