

**Operations Report
RMU Board of Public Works Meeting**

**Date of Report:
October 22, 2024**

CURRENT WORK	
Location and Description	Timeline
Electric	
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
MO S&T South Substation: Extension of overhead 34.5 kV system and installation of new metering.	Completed
MO S&T North Substation: Revision of overhead 34.5 kV system to move switch plus addition of recloser and new metering for connection to new substation.	Completed
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 overehad) plus provide service to new construction at 1008 North Rolla Street.	In progress
1011 West 14th Street: Commercial development that will included new electric service and requiring relocation of some existing overhead electric distribution facilities serving adjacent customers.	In progress
Colonial Trails (Cedar Hills PUD): Extension of underground electric to serve new residential housing.	In progress. Further work pending additional construction by Developer.
Aintree Road (East and West sides): Replacement of underground primary.	In progress
Scottsvale Drive to Curtis Drive: Conversion of overhead to underground.	In progress
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Coordinating with Owner's contractor
500 South Bishop (WalMart): Owner iniated project to reconfigure from two electric services to one.	Coordination with Owner's contractor.
500 South Bishop (WalMart): Revise electric distribution system.	Pending work by Owner's contractor and easement from Owner.
612 North Pine Street renovations	Coordination with Owner and others.
1630 Old Wire Outer Road: New commercial development	In progress
Ashley Drive: Residential construction	New construction taking place.
Generators: Installation of louvers over openings in containers to better retain heat in the units when not in operation.	Additional units have been ordered to be installed before winter.
Additional pole attachments by multiple companies expanding telecommunications infrastructure in Rolla. Additional attachments will involve hundreds of poles.	In progress

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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
US Department of Energy - Grid Resilience and Innovation Partnerships (GRIP) program to enhance grid flexibility and improve the resilience of the power system against growing threats of extreme weather and climate change.	Information provided to MPUA for inclusion in MPUA application to US DOE.
Reliable Public Power Provider (RP3): Sumbittal of tri-annual application to APPA.	Completed
Fiber and SCADA	
Alley behind 1102 and 1104 North Rolla Street: Removal of RMU's overhead electric and fiber.	Completed
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
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.
Lead Service Line inventory.	Initial inventory submitted
Viewing meter pits, meter, etc while checking meter pits for service line material.	In progress with LSLI
10th Street Water: Replacement of water main (to be installed by contractor).	Completed
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.	New pump and motor have been installed.
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.

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<p>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.</p>	<p>Nagogami Booster Pump Station: MO DNR has issued a construction permit for the Nagogami Pump Station.</p>
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AESTHETIC CHANGES THIS PERIOD	
<p>Woodcrest: Removal of 12 spans of overhead electric and 12 poles that are no longer in use.</p>	<p>Completed</p>
<p>9th and Main Street to 10th and State Street: Removal of multiple fiber cables per span across 9 spans on poles mostly not owned by RMU.</p>	<p>Completed</p>

FUTURE IDENTIFIED WORK	
Location and Description	Timeline
Electric, Water, and/or Fiber	
<p>4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.</p>	<p>Pending update from Owner's contractor for project schedule.</p>
<p>3701 HyPoint Blvd: Expansion</p>	<p>Discussions with Owner and their Consultants.</p>
<p>Tim Bradley Way: Potential development</p>	<p>Pending feedback after request made to RMU for information about existing infrastructure</p>
<p>Phelps Health: New Emergency Department</p>	<p>Initial information from Owner and consultant to start considering impacts to existing RMU infrastructure and potential solutions for service to new construction.</p>
<p>Old Wire Outer Road west of Sally Road: New US Department of Veterans Affairs facility</p>	<p>Initial information from developer to start design process for infrastructure improvements and new services.</p>
<p>718 North Pine Street: Development of new electric service in conjunction with building remodel.</p>	<p>Discussions with Owner's consultants.</p>
<p>The Highlands subdivision (Highway 72 South): Development of new residential subdivision.</p>	<p>Preliminary design discussions for overall site. Site plans reviewed for development of 2 lots.</p>
<p>Main Street from 4th Street to 11th Street: System modifications as needed in conjunction with City street, sidewalk, and stormwater project.</p>	<p>Pending design information from City</p>
<p>600 North Rolla Street: Commercial remodel</p>	<p>Review of plans submitted by developer</p>
<p>408 East 5th Street: Mixed use development</p>	<p>Pending information from Owner and / or their Consultant.</p>
<p>Cedar Trails multi-family development</p>	<p>Pending information from developer and/or their consultants.</p>

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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.
Rt. 66 Preferred RV Parking: Electric and water services to new development.	Pending information from Developer
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
611 North Pine Street: Reconfiguration of primary electric so that property owner can relocate electric meters.	Pending review by property owner
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	Undertermined
10th Street from Cedar Street to Forum Drive: Removal of overhead utilities	Undetermined
Removal of overhead fiber storage and related aesthetics	Undertermined
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
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

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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 (September 18, 2024 invoice) for Water Distribution System Improvements (Southview Drive). Total = \$66,061.25	
Asphalt Repairs (September 25, 2024 invoice) for Water Distribution System Repairs. Total = \$26,257.90	