

Operations Report
RMU Board of Public Works Meeting

Date of Report:
July 30, 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.	MO S&T Campus being supplied from their south substation: October 5, 2023
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.	RMU work complete. Activation pending work by University contractor.
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.	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 overhead) plus provide service to new construction at 1008 North Rolla Street.	In progress
1008 North Rolla Street: Extension of underground electric distribution system to new multi unit residential development.	Completed
Alley between 10th and 11th Streets east of Main Street: Removal of overhead electric distribution facilities and fiber.	Completed
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.	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.
Data processing customer to install facilities at Dewing Substation: New primary service and ancillary work.	Pending information from customer.
511 Christy Drive: Removal of overhead primary from Christy Drive and replacement with underground primary from Southview Drive	In progress
Generators: Installation of louvers over openings in containers to better retain heat in the units when not in operation.	Additional units on order
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
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.
Aintree Road (East and West sides): Replacement of underground primary.	In progress

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Scottsvale Drive to Curtis Drive: Conversion of overhead to underground.	In progress
4120 Highway V: Commercial development	Electric system improvements to be installed as needed.
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.	Fall 2024
Fiber and SCADA	
Alley behind 1102 and 1104 North Rolla Street: Removal of RMU's overhead electric and fiber.	In progress
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
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.	Fall 2024
Well #10: Conversion of monitoring from radio to fiber while pump system and electric system improvements are made.	In progress
Water	
Southview Drive from Oak Knoll Road to Wicnhester: Replacement of old water main in advance of street resurfacing project by city of Rolla.	In progress
Lead Service Line inventory.	In progress (EPA deadline: October 16, 2024)
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).	In progress
4120 Highway V: Commercial development	Water distribution system improvements by developer pending construction permit and installation by developer. RMU extension to be installed pending completion of other work. Easements in progress.
Well #10: Pump system to be replaced due to diminished output. To be converted from line shaft to submersible pump system along with updates to electric system.	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.

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White Columns Drive south of Collegiate: Water Distribution system extension to connect to new main being installed by contractor for MO S&T Protoplex project.	Completed
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.	Preliminary Engineering Report has been approved by MO DNR. Surveying and design work is in progress.

AESTHETIC CHANGES THIS PERIOD	
Removal of overhead electric system no longer needed that used to provide some service to 4000 Enterprise Drive.	Completed
Replacement of roadway lights: Southview Drive between Pete Avenue and Oxford Drive	Completed
Additional roadway light: Intersection of Pete Drive and Southview Drive	Completed
Pine Street from 16th Street Bishop Avenue: Removal of overhead electric and fiber systems.	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.	Pending construction by Owner.
4000 Enterprise Drive (MO S&T): Requested additional transformer capacity and new service to existing building.	Pending information from Owner and / or their Consultant.
3701 HyPoint Blvd: Expansion	Pending information from Owner and / or their Consultant
Tim Bradley Way: Potential development	Pending feedback after request made to RMU for information about existing infrastructure
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
1630 Old Wire Outer Road: New commercial development	Review of plans submitted by developer
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.
Ashley Drive: Residential construction	Pending information from contractor.
Cedar Trails multi-family development	Pending information from developer and/or their consultants.
Electric	
The Highlands subdivision (Highway 72 South): Development of new residential subdivision.	Preliminary design

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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
4030 and/or 4040 HyPoint North: Electric service modification(s).	Pending information from Owner, Contractor, and/or Consultant.
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
2003 North Bishop: Upgrade of electric service as part of remodel / expansion.	Plan review comments provided
705 South Bishop Avenue: Installation of 480 volt service for installation of EV charging	Pending information from contractor / owner
10th and Maple Streets: New parking lot with lighting	Pending information from developer
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	Underdetermined
10th Street from Cedar Street to Forum Drive: Removal of overhead utilities	Undetermined
Removal of overhead fiber storage and related aesthetics	Underdetermined
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	
HyPoint Well #3 to 4120 Highway V: Extension of water distribution system to serve new development.	2024
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

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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.	2024
Fiber extensions requests for customers.	As requested