BAXTER & WOODMAN
Consulting Engineers

City of Joliet

2025 Water Main Improvements
Pre-Bid Conference

February 13, 2025

Pre-Bid Conference Overview

2025 Program Overview

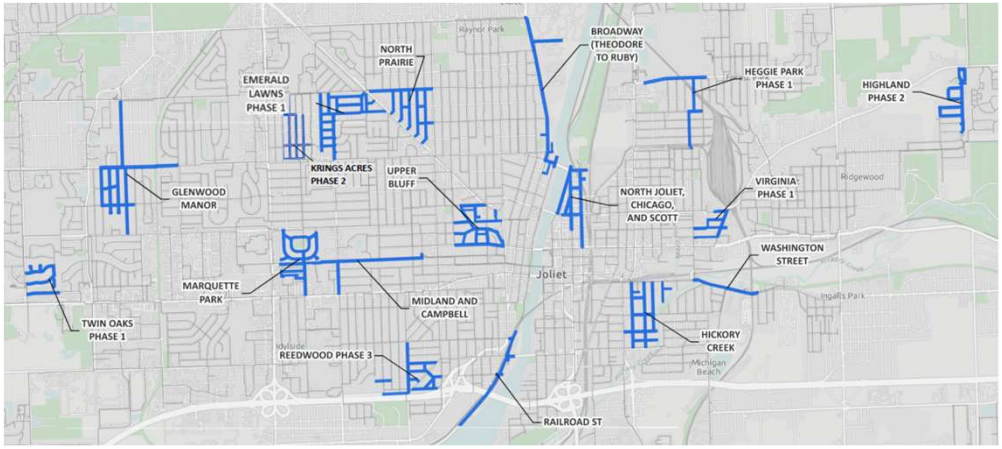
- Funding Programs

Bidding and Contract Requirements

- Specifications and Measurement and Payment Review
- Key Contract Requirements

Project Review

- Bid Schedules
- Project Details



29 Miles of Water Main

2025 Program Overview

Bid Group 1

- Krings Acres Phase 2B
- Broadway (Theodore to Ruby)
- North Downtown
- Railroad Street

Bid Group 2

- Emerald Lawns Phase 1
- Glenwood Manor
- Midland and Campbell
- Upper Bluff
- Virginia Phase 1

Bid Group 3

- Hickory Creek West
- Highland Phase 2
- Marquette Park
- North Prairie
- Reedwood Phase 3
- Twin Oaks Phase 1

Bid Group 4

- **Heggie Park Phase 1**

Funding Programs

- **COJ Water & Sewer Funds**
- **WIFIA**

Bidding Requirements

City of Joliet

- Prequalification (include with Bid or email to lschuld@baxterwoodman.com)
- City of Joliet Procurement Code
- Local Bidder Ordinance does not apply
- City's 10% minority participation
- City of Joliet Affidavits
- Download documents from City website and sign up for RSS feed
- Check City website for addenda

Federal Funding Requirements

- Advertise for DBEs in daily regional paper
  - One advertisement is acceptable for multiple projects, must meet earliest date
- Provide list of all subcontractors
  - Can use DBE Form #4
- Davis-Bacon or Illinois Prevailing Wage Act, whichever is higher
- Use of American Iron and Steel
- Employment of Illinois Workers on Public Works Act may apply
- Illinois Works Jobs Program Act – Apprenticeship Initiative

Key Contract Requirements

Specifications and Measure and Payment

- Bid Submittal Checklist
- Contractor badges required prior to entering homes
- Licensed plumber required for all water services
- Trench backfill tables in M&P
- RJT tables in Standard Details
- Pavement restoration thicknesses in General Notes
- Preconstruction video is incidental to the cost of water main

Bid Form

- Quantities are split into Part A/Part B for separate project areas. The areas are being bid as one project
- Costs should be calculated using the Total Quantity for each item

Key Notes

- **Pipe material varies by project/location. Some locations require Ductile Iron Pipe, as noted**
- **Sanitary Lateral Secondary Locates**
- **Costs should be calculated using the Total Quantity for each item**

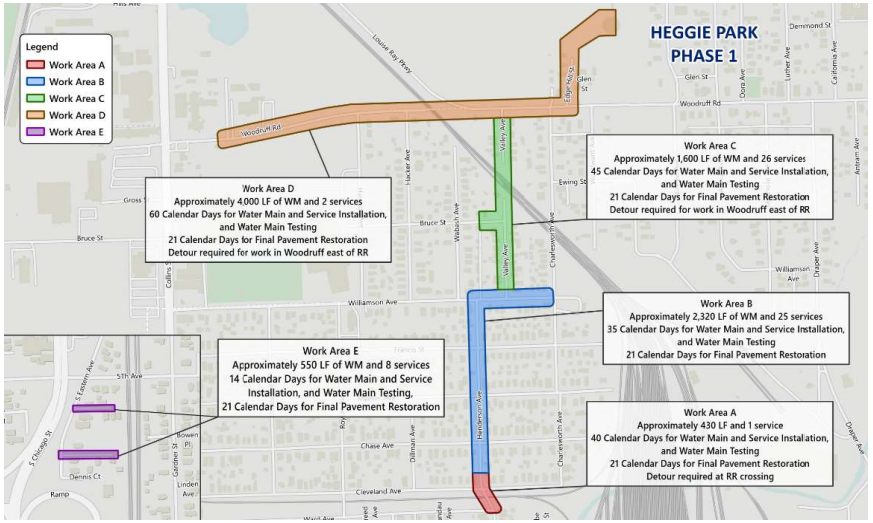
UNIT	UNIT PRICE	QUANTITY			TOTAL COST
		PART A	PART B	TOTAL	
FOOT	$	292	10	302	$

Key Contract Requirements

Work Areas and Liquidated Damages

- Work in multiple Work Areas is allowed but will not extend any Work Area's completion times
- Deviations to Work Areas must be submitted to the City at the Pre-Construction meeting for approval
- Contract time will commence upon any intrusive work to earth or pavement (sawcutting, milling, excavation, potholing, etc.)
- **Heggie Park Phase 1: Pit excavations for railroad crossings do not trigger the countdown for substantial and final completion for these Work Areas**

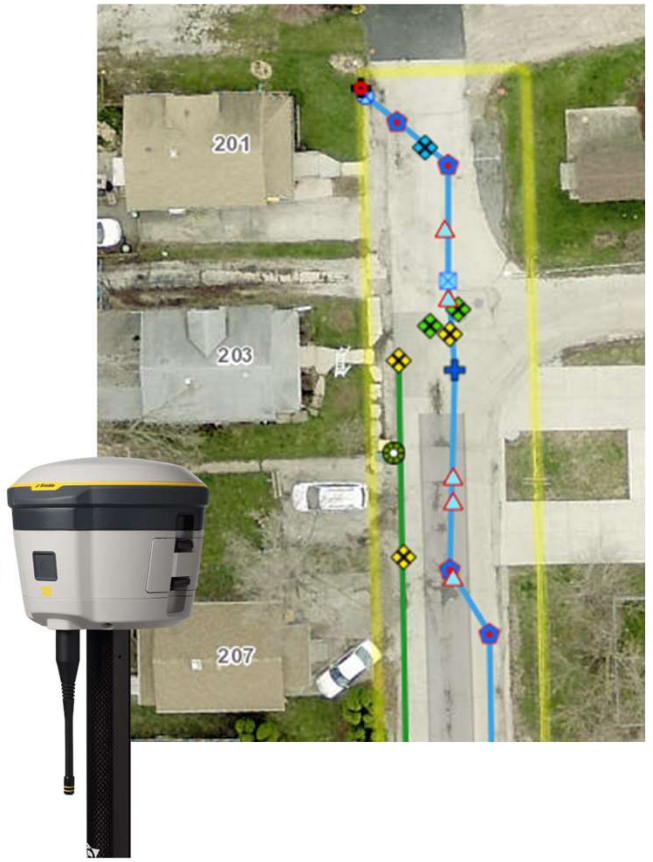
Description of Interim Milestone Liquidated Damages	Dollar Amount
Water Main and Water Service Completion of individual Work Area not completed within specified time	$500/day
Pavement restoration of individual Work Area not completed within specified time	$500/day
Unscheduled work occurring without required notice to residents as outlined in Section 33 11 43	$500/property for each occurrence
Traffic Control Deficiency per MUTCD requirements as specified in 01 50 00	$1,000/day



Key Contract Requirements

Digital Utility Data Collection Requirements

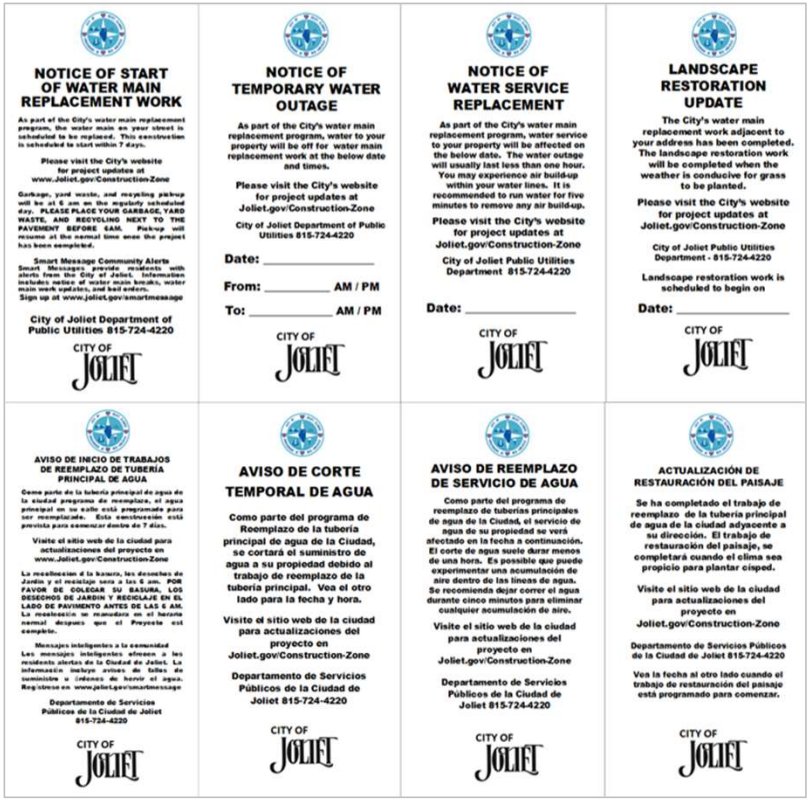
- Survey all exposed or installed water, sanitary, and storm utilities
- **Contractor to provide their own GPS unit or rent from supplier**
- Contractor must provide a smart phone or tablet with 5G connectivity
- City of Joliet will provide one ESRI license per project
- City staff will not provide technical support of the GPS units
- A 2-hour training session will be provided at the start of construction and support up to 4 hours per month
  - The cost for additional support is not included in this project. Contractors are recommended to establish a working relationship with a GPS support consultant to provide as-needed assistance



Key Contract Requirements

Road Closure Permit	• Required for road closures that last 20 minutes or more that do not have a detour in place • **Liquidated damages of $25,000 per day, per occurrence for unapproved closures**
Traffic Control and Protection	• **Limited to 5% of sum of all other pay items** • Includes maintaining pedestrian access
Testing Against Existing Valves	• Contractor can test against existing valves or against a cap; plans indicate locations where existing valves are new

Key Contract Requirements



NOTICE OF START OF WATER MAIN REPLACEMENT WORK

As part of the City's water main replacement program, the water main on your street is scheduled to be replaced. This construction is scheduled to start within 7 days.

Please visit the City's website for project updates at www.Joliet.gov/Construction-Zone

Garbage, yard waste, and recycling pickup will be at 6 am on the regularly scheduled day. PLEASE PLACE YOUR GARBAGE, YARD WASTE, AND RECYCLING NEXT TO THE PAVEMENT BEFORE 6AM. Pickup will resume at the normal time once the project has been completed.

Smart Message Community Alerts
Smart Messages provide residents with alerts from the City of Joliet. Information includes notice of water main breaks, water main work updates, and boil orders.
Sign up at www.joliet.gov/smartmessage

City of Joliet Department of Public Utilities 815-724-4220

CITY OF JOLIET

NOTICE OF TEMPORARY WATER OUTAGE

As part of the City's water main replacement program, water to your property will be off for water main replacement work at the below date and times.

Please visit the City's website for project updates at Joliet.gov/Construction-Zone

City of Joliet Department of Public Utilities 815-724-4220

Date: _____

From: _____ AM / PM

To: _____ AM / PM

CITY OF JOLIET

NOTICE OF WATER SERVICE REPLACEMENT

As part of the City's water main replacement program, water service to your property will be affected on the below date. The water outage will usually last less than one hour. You may experience air build-up within your water lines. It is recommended to run water for five minutes to remove any air build-up.

Please visit the City's website for project updates at Joliet.gov/Construction-Zone

City of Joliet Public Utilities Department 815-724-4220

Date: _____

CITY OF JOLIET

LANDSCAPE RESTORATION UPDATE

The City's water main replacement work adjacent to your address has been completed. The landscape restoration work will be completed when the weather is conducive for grass to be planted.

Please visit the City's website for project updates at Joliet.gov/Construction-Zone

City of Joliet Public Utilities Department - 815-724-4220

Landscape restoration work is scheduled to begin on

Date: _____

CITY OF JOLIET

AVISO DE INICIO DE TRABAJOS DE REEMPLAZO DE TUBERÍA PRINCIPAL DE AGUA

Como parte de la tubería principal de agua de la ciudad programa de reemplazo, el agua principal en su calle está programada para ser reemplazada. Esta construcción está prevista para comenzar dentro de 7 días.

Visite el sitio web de la ciudad para actualizaciones del proyecto en www.Joliet.gov/Construction-Zone

La recolección de la basura, los desechos de jardín y el reciclaje será a las 6 am. POR FAVOR DE COLOCAR SU BASURA, LOS DESECHOS DE JARDÍN Y RECICLAJE EN EL LADO DE PAVIMENTO ANTES DE LAS 6 AM. La recolección se reanudará en el horario normal después que el Proyecto esté completo.

Mensajes inteligentes a la comunidad
Los mensajes inteligentes ofrecen a los residents alertas de la Ciudad de Joliet. La información incluye avisos de tolles de suministro u órdenes de hervir el agua. Regístrese en www.joliet.gov/smartmessage

Departamento de Servicios Públicos de la Ciudad de Joliet 815-724-4220

CITY OF JOLIET

AVISO DE CORTE TEMPORAL DE AGUA

Como parte del programa de Reemplazo de la tubería principal de agua de la Ciudad, se cortará el suministro de agua a su propiedad debido al trabajo de reemplazo de la tubería principal. Vea el otro lado para la fecha y hora.

Visite el sitio web de la ciudad para actualizaciones del proyecto en Joliet.gov/Construction-Zone

Departamento de Servicios Públicos de la Ciudad de Joliet 815-724-4220

CITY OF JOLIET

AVISO DE REEMPLAZO DE SERVICIO DE AGUA

Como parte del programa de reemplazo de tuberías principales de agua de la Ciudad, el servicio de agua de su propiedad se verá afectado en la fecha a continuación. El corte de agua suele durar menos de una hora. Es posible que puede experimentar una acumulación de aire dentro de las líneas de agua. Se recomienda dejar correr el agua durante cinco minutos para eliminar cualquier acumulación de aire.

Visite el sitio web de la ciudad para actualizaciones del proyecto en Joliet.gov/Construction-Zone

Departamento de Servicios Públicos de la Ciudad de Joliet 815-724-4220

CITY OF JOLIET

ACTUALIZACIÓN DE RESTAURACIÓN DEL PAISAJE

Se ha completado el trabajo de reemplazo de la tubería principal de agua de la ciudad adyacente a su dirección. El trabajo de restauración del paisaje, se completará cuando el clima sea propicio para plantar césped.

Visite el sitio web de la ciudad para actualizaciones del proyecto en Joliet.gov/Construction-Zone

Departamento de Servicios Públicos de la Ciudad de Joliet 815-724-4220

Vea la fecha al otro lado cuando el trabajo de restauración del paisaje está programado para comenzar.

CITY OF JOLIET

Resident Notifications

- Start of Water Main Work
- Temporary Water Outage
- Water Service Replacement
- Landscape Restoration

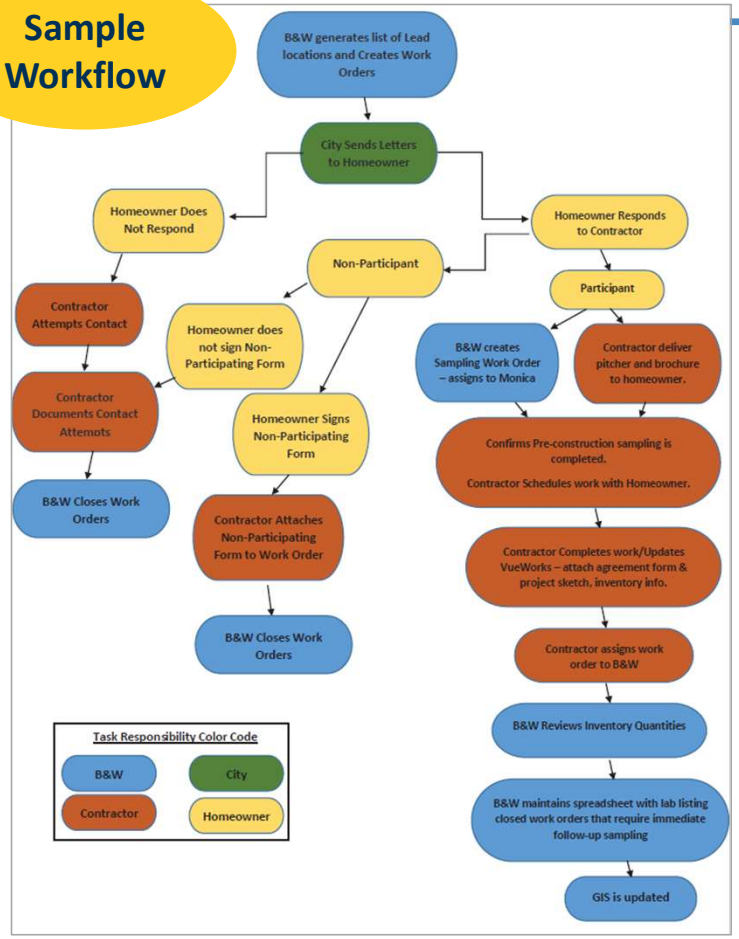
Key Contract Requirements

Lead Service Line Workflow

- Project Management Pay Item
  - Participant: 3 hours
  - Non-participant (known lead): 1 hour
- Sample Workflow and Forms in Project Manual
- Notification/Replacement Timeline
  - Comply with IEPA and IDPH Requirements
  - For Known/Suspected Lead:
    - City to notify of project minimum 45 days, additional attempts required if no response
    - Pre-construction sampling
    - Notify 14 days prior to LSL replacement
  - For Lead Discovered During Construction, notify City immediately

Lead Services Expected for Heggie Park Phase 1

Sample Workflow

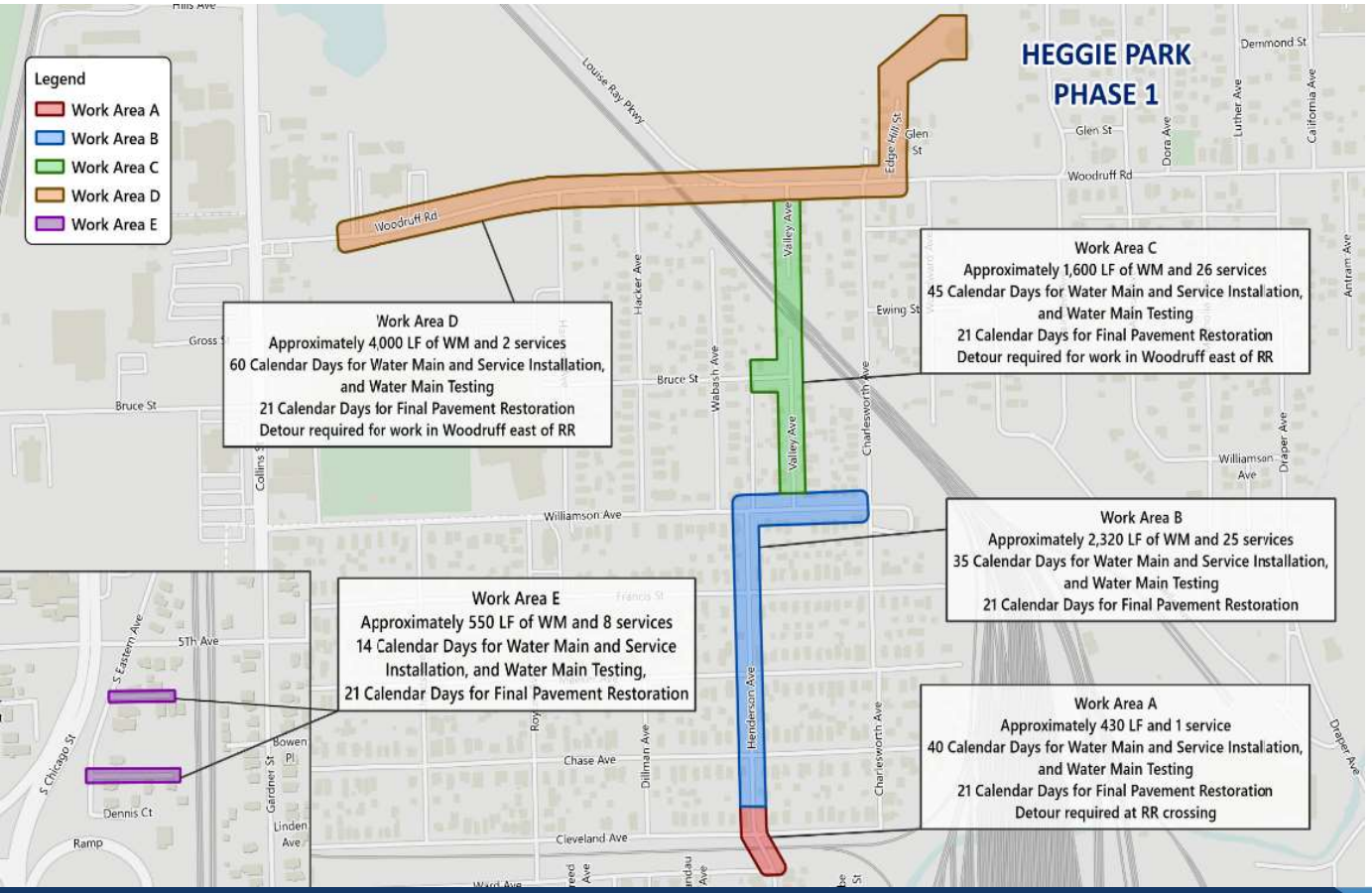


Bidding Requirements

Important Dates

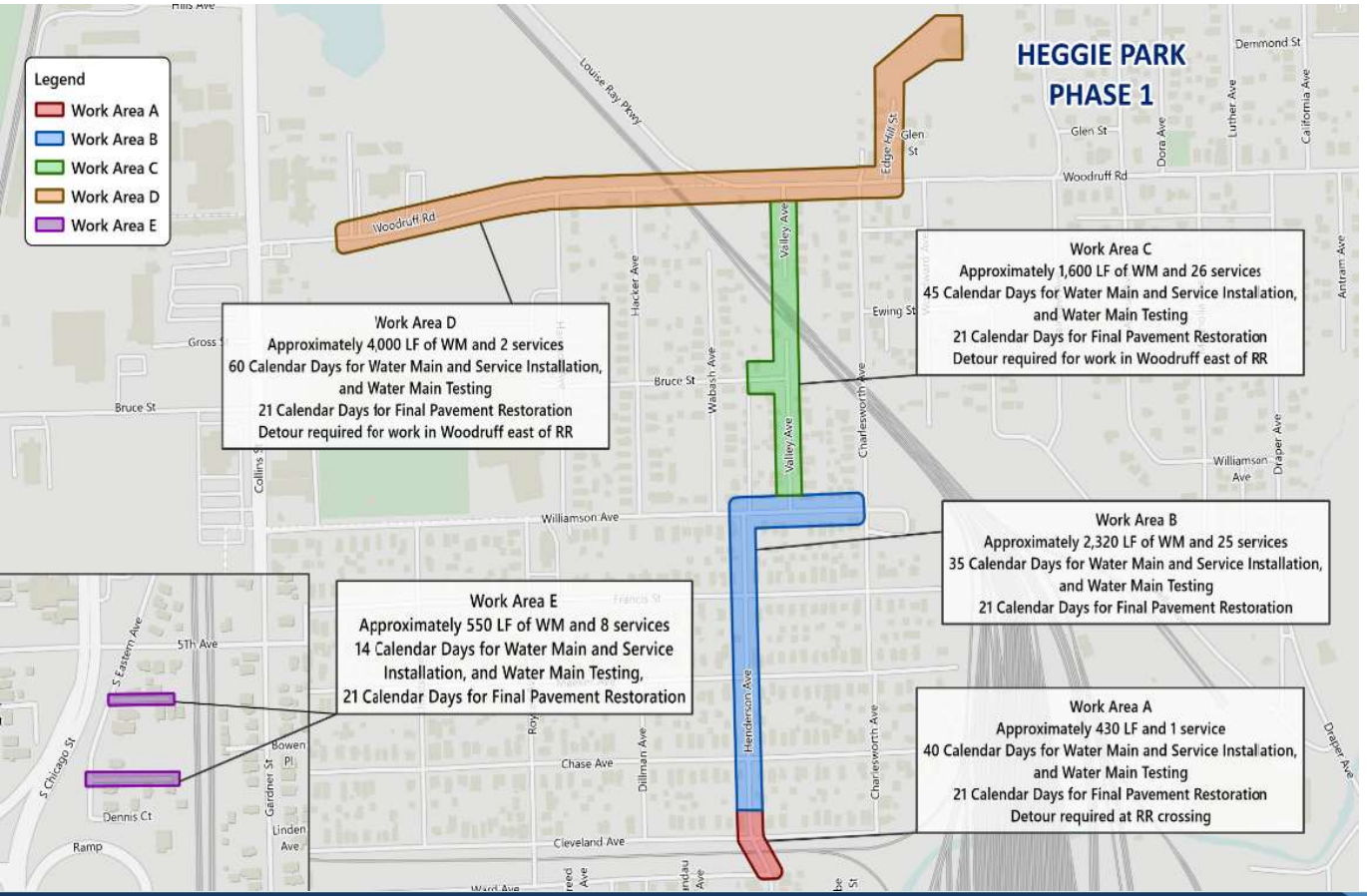
Milestone	Date
Last Day for DBE Ads	February 16
Last Day for Questions	February 25
Bid Opening	March 4

Project Review



- 8,800 feet of 4” – 24” DI & PVC
- Estimated Notice to Proceed: 5/1/25
- Substantial Completion: 180 days
- Final Completion: 210 days
- Expected Lead Service Lines
- Soil boring logs and signed LPC 663 included in appendices
- Local detours required
- Three railroad crossings – signal wire locate and flaggers required
  - Fill existing water mains at crossings

Project Review



- Coordinate connection near ground level reservoir with City operations staff
- Crossings below 24" concrete transmission main
- Slope stabilization required for water and sewer installation on and north of Edge Hill Street
- Additional work area – new mains in alleys (Part B in bid form)
- Rear yard service abandonments
- Work in easements

Q&A



Please sign attendance sheet

Contact information in Advertisement for Bids and Bidder Instructions