BAXTER & WOODMAN
Consulting Engineers

City of Joliet

2025 Water Main Improvements
Pre-Bid Conference

October 30, 2024

Pre-Bid Conference Overview

2025 Program Overview

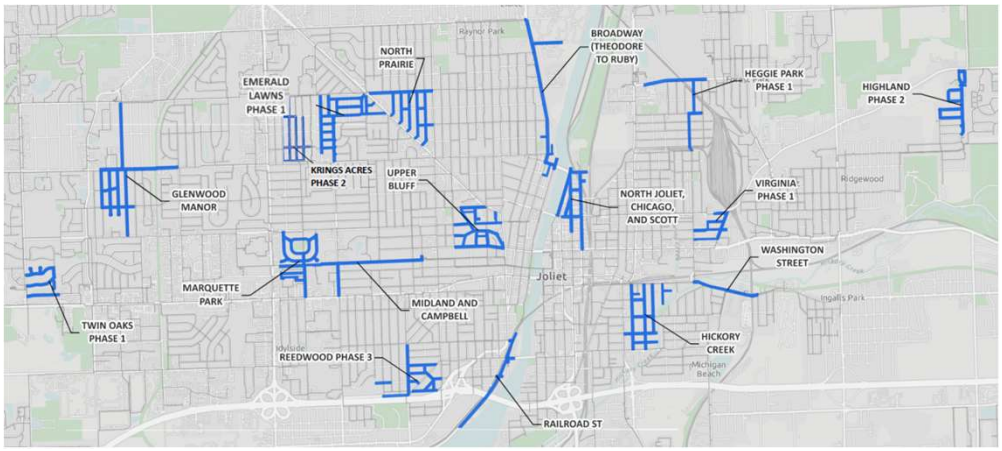
- Bid Groups
- Funding Programs

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 (Early 2025)

- Heggie Park Phase 1
- Washington Street

Funding Programs

- **IEPA State Revolving Fund**
  - 8 Projects
  - Water Main Improvements
  - Lead Service Line Replacement
- **WIFIA Federal Funding**
- **COJ Water & Sewer Funds**

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
- Project sign posted at job site

Key Contract Requirements

Specifications and Measure and Payment

- Bid Submittal Checklist for IEPA loan requirements
- 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

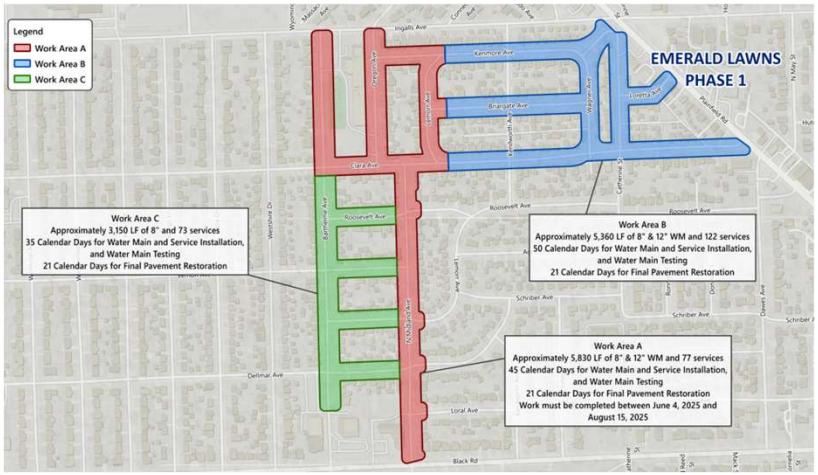
Key Notes

- **Pipe material varies by project/location. Some locations require Ductile Iron Pipe, as noted**
- **Sanitary Lateral Secondary Locates**

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.)

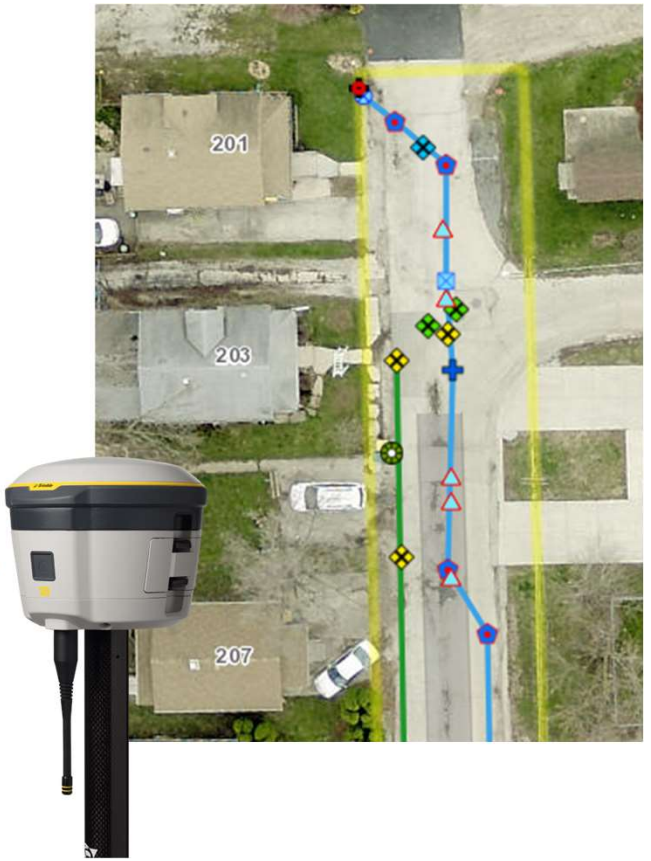


Description of Interim Milestone Liquidated Damages	Dollar Amount
Water Main and Water Service Completion of individual Work Area not completed within specified time	$500/day
Pavement restoration of individual Work Area not completed within specified time	$500/day
Unscheduled work occurring without required 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

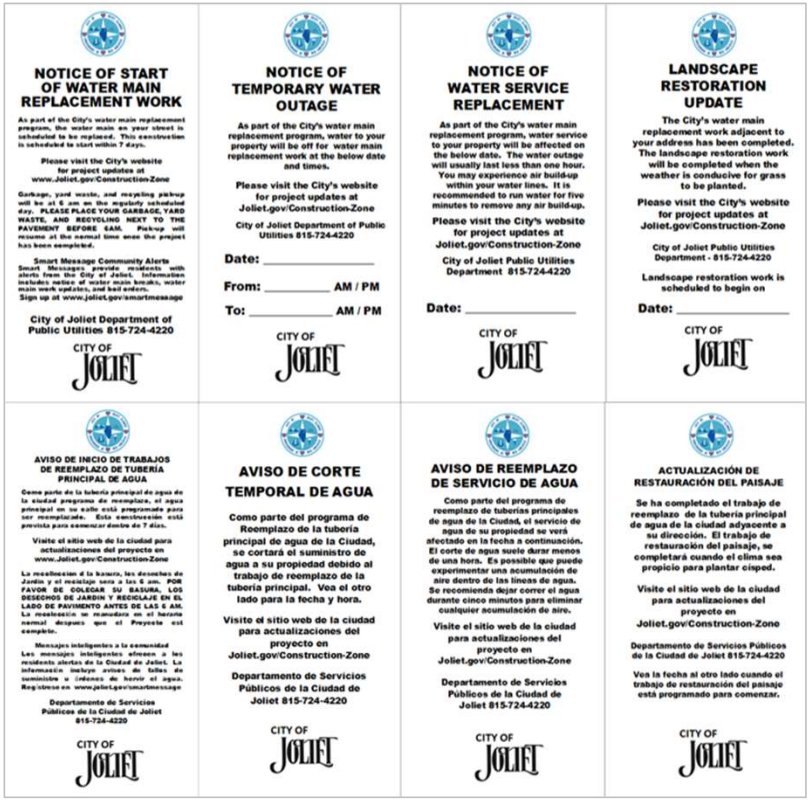
- Survey all exposed or installed water, sanitary, and storm utilities
- **Contractor to provide their own GPS unit or rent from supplier**
- Contractor must provide a smart phone or tablet with 5G connectivity
- City of Joliet will provide one ESRI license per project
- City staff will not provide technical 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

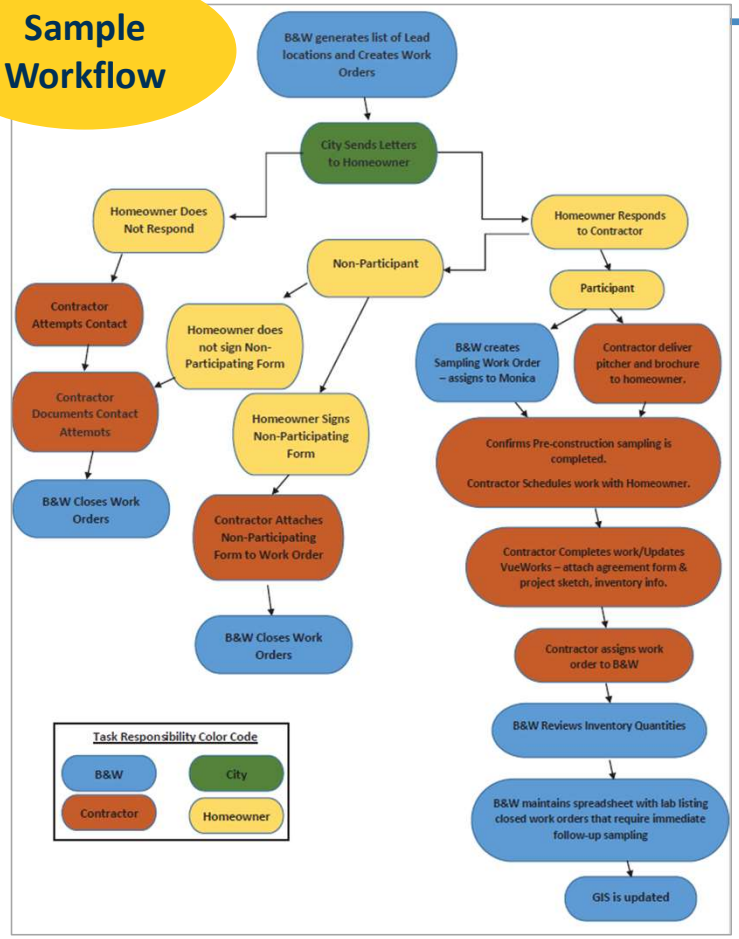
Key Contract Requirements

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 in 13 Projects

Sample Workflow

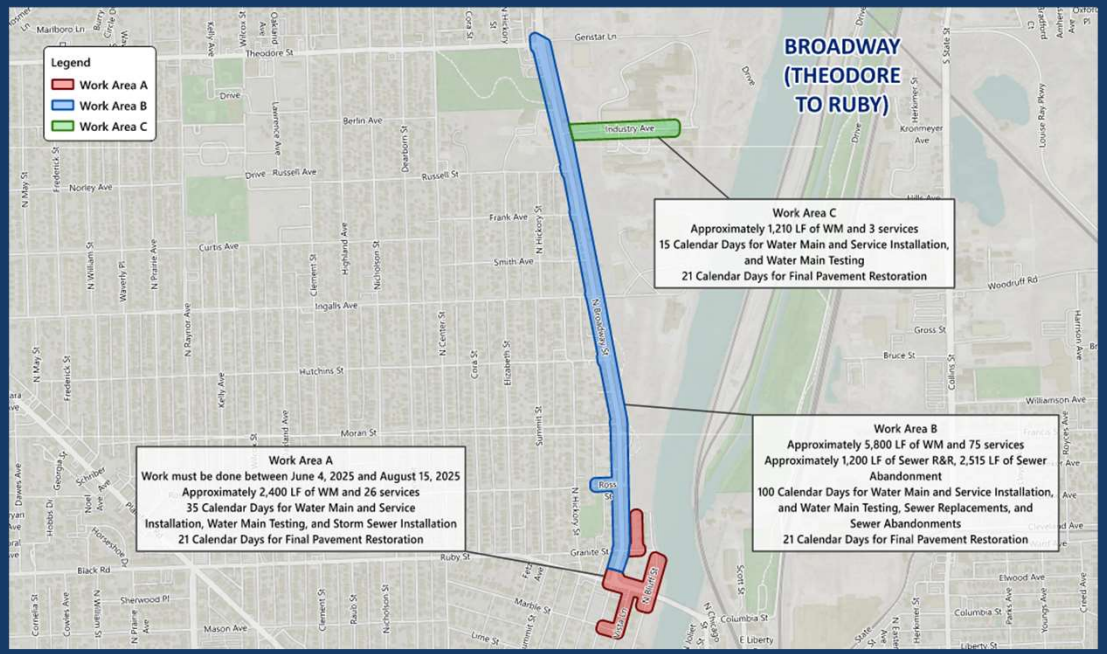


Project Review – Bid Group 1

Project	Last Day for DBE Ads	Last Day for Questions	Bid Opening	
Broadway (Theodore to Ruby)	11/2/2024	11/11/2024	11/18/2024	10:00 AM
North Downtown	11/3/2024	11/11/2024	11/19/2024	10:00 AM
Railroad St	11/3/2024	11/11/2024	11/19/2024	2:00 PM
Krings Acres Phase 2B	11/4/2024	11/11/2024	11/20/2024	2:00 PM

Project Review – Bid Group 1

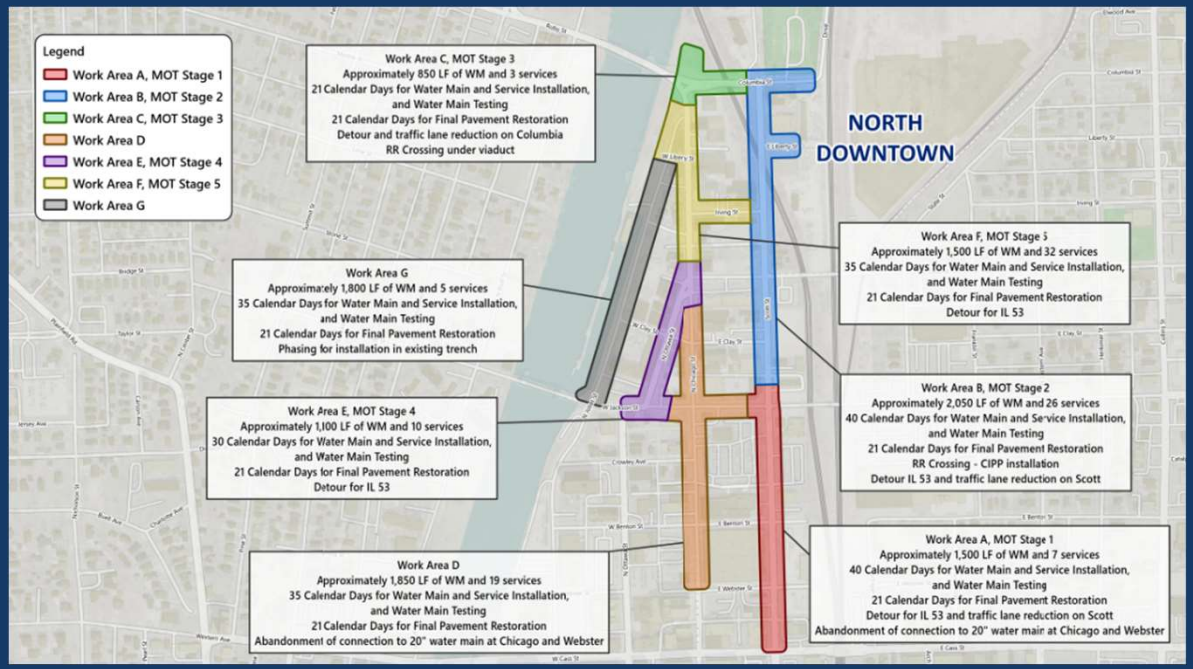
Broadway (Theodore to Ruby)



- 10,300 feet of 6” – 12” DI
- Estimated Notice to Proceed: 4/1/25
- Substantial Completion: 150 days
- Final Completion: 180 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed
- Work within IDOT ROW. Detour required; Bond amount: $1M
- Storm sewer extension and sanitary abandonment
- Easement coordination with church

Project Review – Bid Group 1

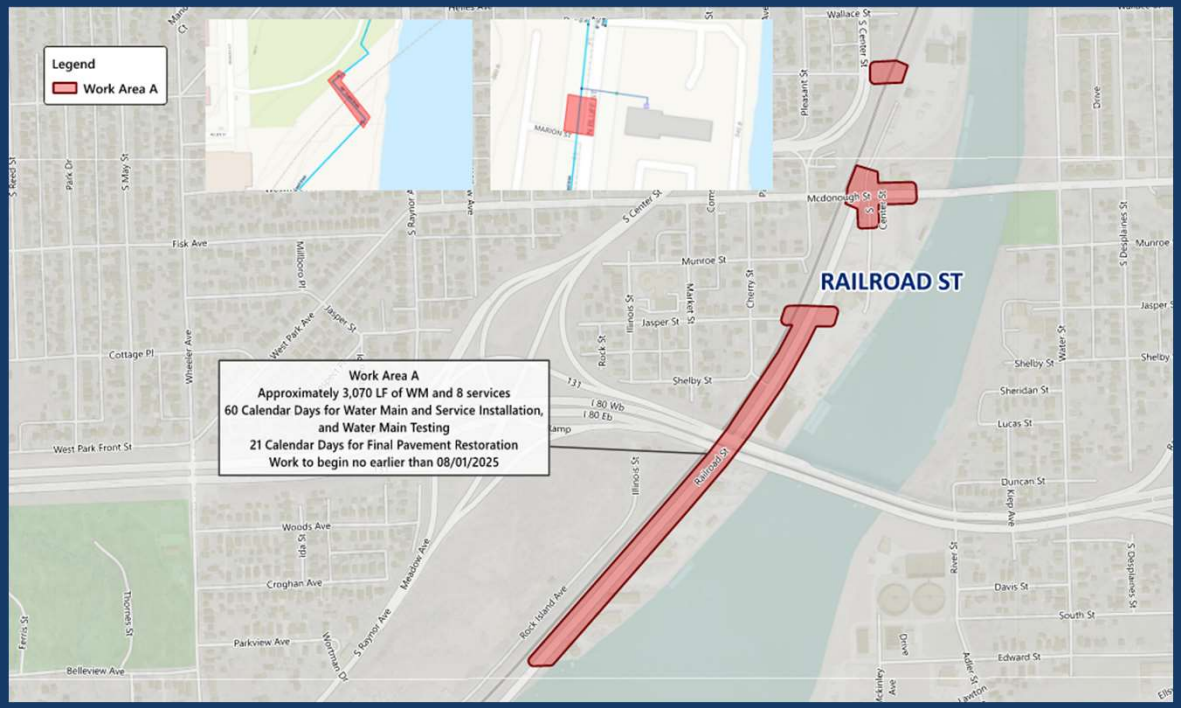
North Downtown



- 10,600 feet of 6” – 12” DI
  - Includes 320 feet of 10” CIPP
- Estimated Notice to Proceed: 4/1/25
- Substantial Completion: 210 days
- Final Completion: 240 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed
- Work within IDOT ROW. Detour required; Bond amount: $1M
- Two railroad viaduct crossings
- Pedestrian MOT plan required

Project Review – Bid Group 1

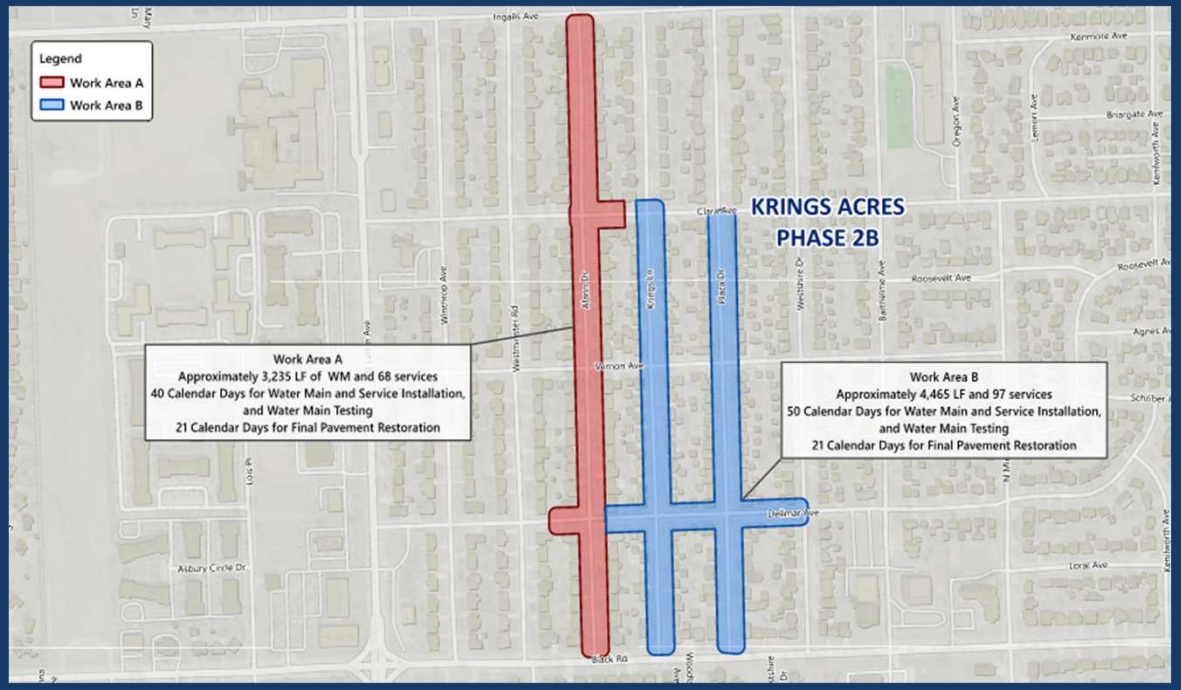
Railroad Street



- 3,100 feet of 6” – 12” DI
- Estimated Notice to Proceed: 8/1/25
- Substantial Completion: 60 days
- Final Completion: 90 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed
- Work within IDOT ROW. Detour required; Bond amount: $200,000
- One railroad crossing; abandonment required at second crossing

Project Review – Bid Group 1

Krings Acres Phase 2B



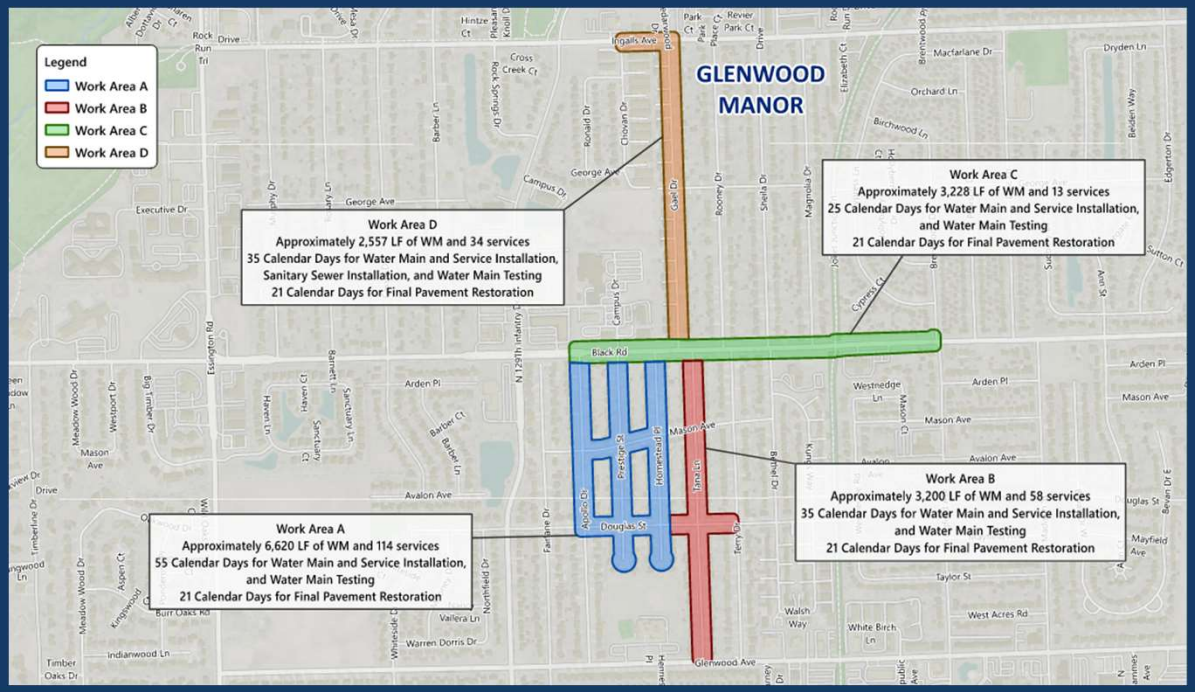
- 7,700 feet of 8”, DI or PVC
- Estimated Notice to Proceed: 4/1/25
- Substantial Completion: 90 days
- Final Completion: 120 days
- City will complete pH testing and sign LPC-662

Project Review – Bid Group 2

Project	Last Day for DBE Ads	Last Day for Questions	Bid Opening	
Glenwood Manor	11/17/2024	11/26/2024	12/3/2024	10:00 AM
Upper Bluff	11/17/2024	11/26/2024	12/3/2024	2:00 PM
Midland and Campbell	11/18/2024	11/26/2024	12/4/2024	10:00 AM
Emerald Lawns Phase 1	11/19/2024	11/26/2024	12/5/2024	10:00 AM
Virginia Phase 1	11/19/2024	11/26/2024	12/5/2024	2:00 PM

Project Review – Bid Group 2

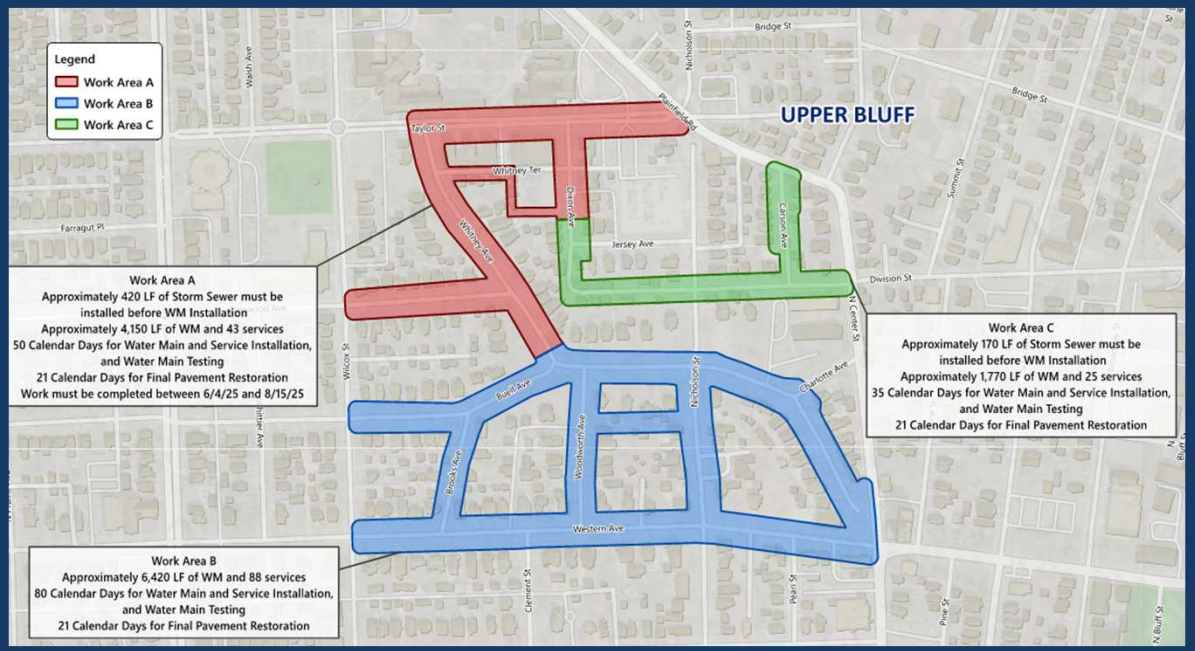
Glenwood Manor



- 15,900 feet of 6” – 12”, DI or PVC
- Estimated Notice to Proceed: 3/15/25
- Substantial Completion: 150 days
- Final Completion: 180 days
- Local detour required
- City will complete pH testing and sign LPC-662

Project Review – Bid Group 2

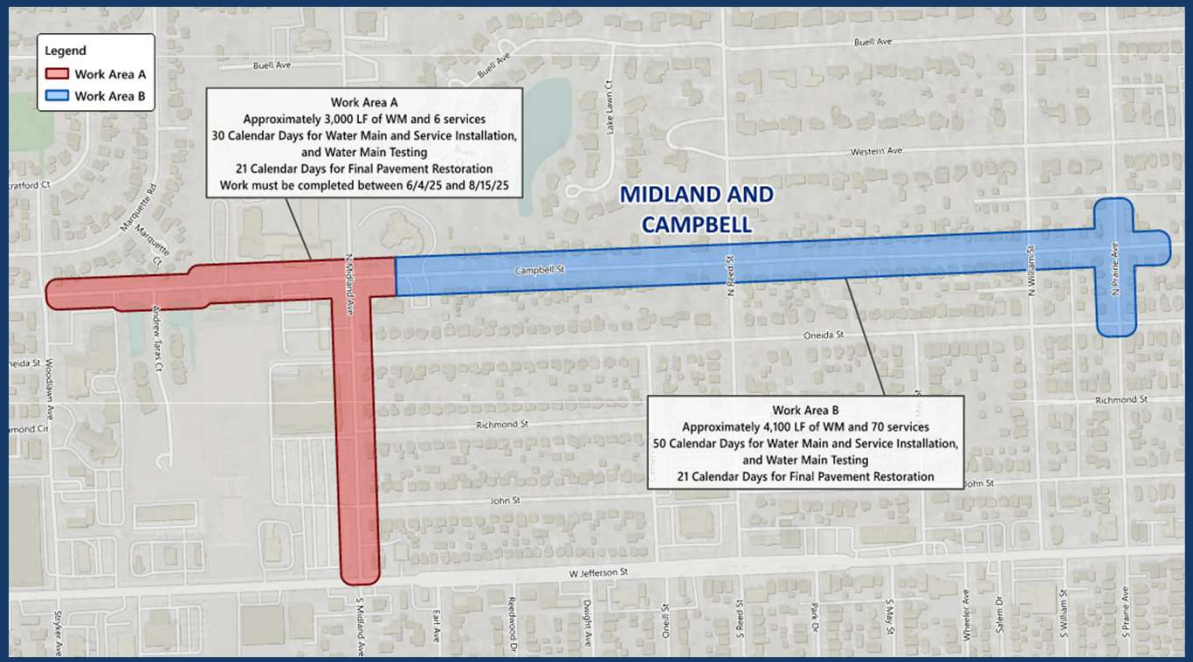
Upper Bluff



- 12,300 feet of 6” – 12”, DI or PVC
  - Includes 1,000 feet of 8” via HDD
- Estimated Notice to Proceed: 6/1/25
- Substantial Completion: 180 days
- Final Completion: 210 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed
- Work within IDOT ROW. No detour required; Bond amount not yet determined
- Coordinate sequencing with university
- Storm sewer extension and tunnel abandonment
- Rear yard service abandonments

Project Review – Bid Group 2

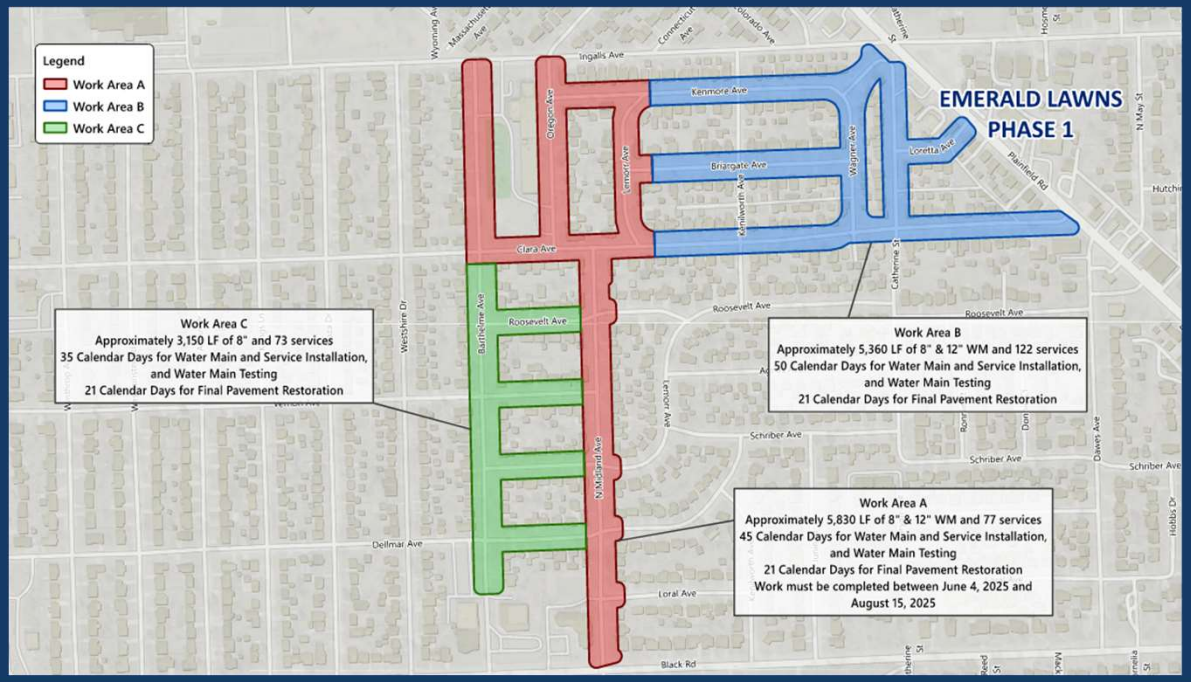
Midland and Campbell



- 6,700 feet of 8” – 16”, DI or PVC
- Estimated Notice to Proceed: 7/1/25
- Substantial Completion: 90 days
- Final Completion: 120 days
- Expected Lead Service Lines
- Coordinate connection near pump station with City operations staff
- Coordinate sequencing with school

Project Review – Bid Group 2

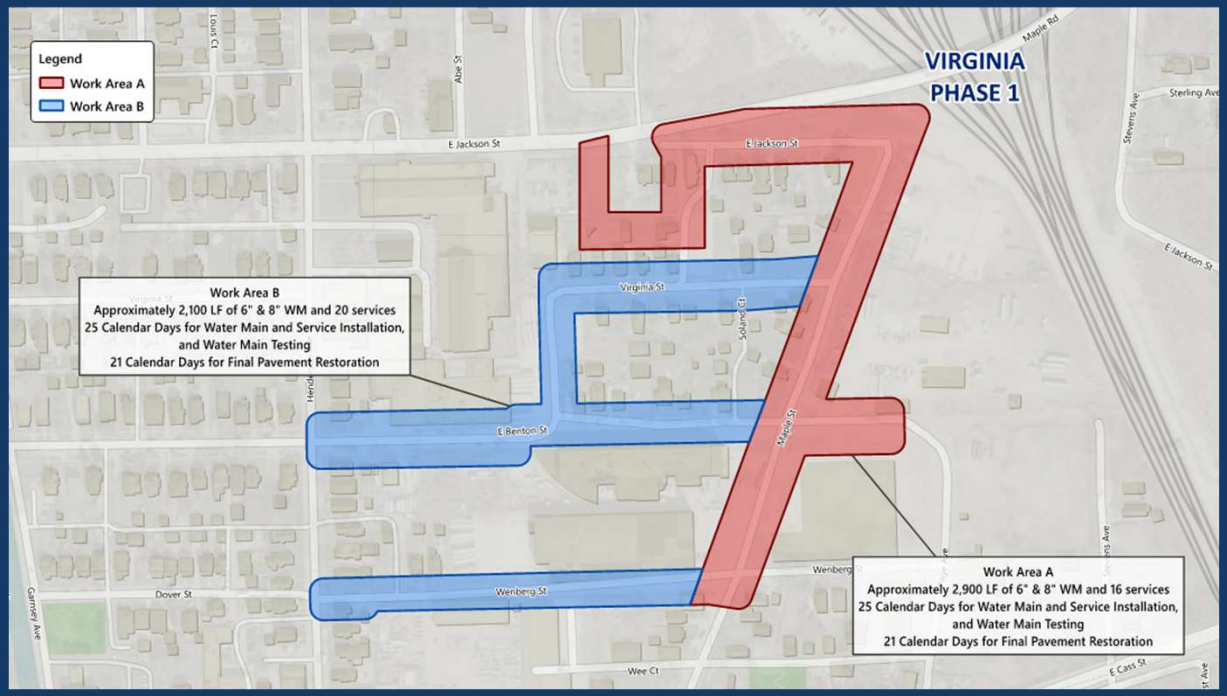
Emerald Lawns Phase 1



- 15,100 feet of 6” – 12”, DI or PVC
- Estimated Notice to Proceed: 5/1/25
- Substantial Completion: 150 days
- Final Completion: 180 days
- Expected Lead Service Lines
- City will complete pH testing and sign LPC-662
- Coordinate sequencing with school

Project Review – Bid Group 2

Virginia Phase 1



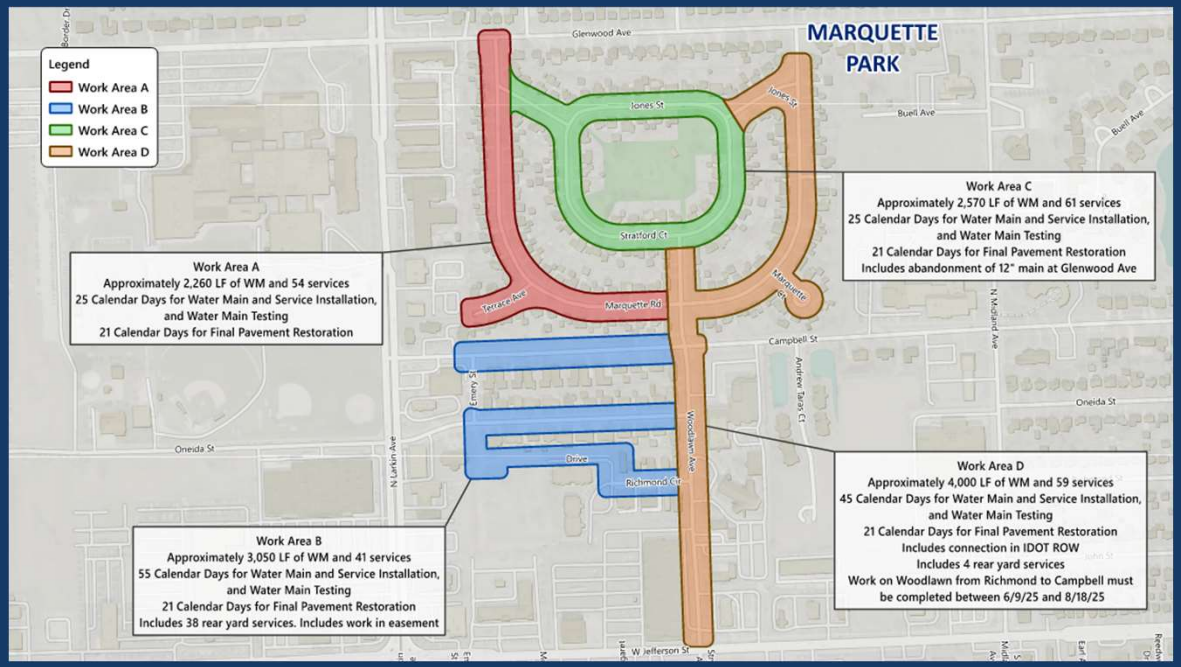
- 5,200 feet of 6” – 8”, DI or PVC
- Estimated Notice to Proceed: 3/15/25
- Substantial Completion: 50 days
- Final Completion: 80 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed
- Work within IDOT ROW. No detour required; Bond amount not yet determined
- Work in easement for alleyway main

Project Review – Bid Group 3

Project	Last Day for DBE Ads	Last Day for Questions	Bid Opening	
Marquette Park	11/23/2024	12/2/2024	12/9/2024	10:00AM
Hickory Creek West	11/23/2024	12/2/2024	12/9/2024	2:00PM
North Prairie	11/24/2024	12/2/2024	12/10/2024	10:00AM
Reedwood Phase 3	11/24/2024	12/2/2024	12/10/2024	2:00PM
Twin Oaks Phase 1	11/25/2024	12/2/2024	12/11/2024	10:00AM
Highland Phase 2	11/25/2024	12/2/2024	12/11/2024	2:00PM

Project Review – Bid Group 3

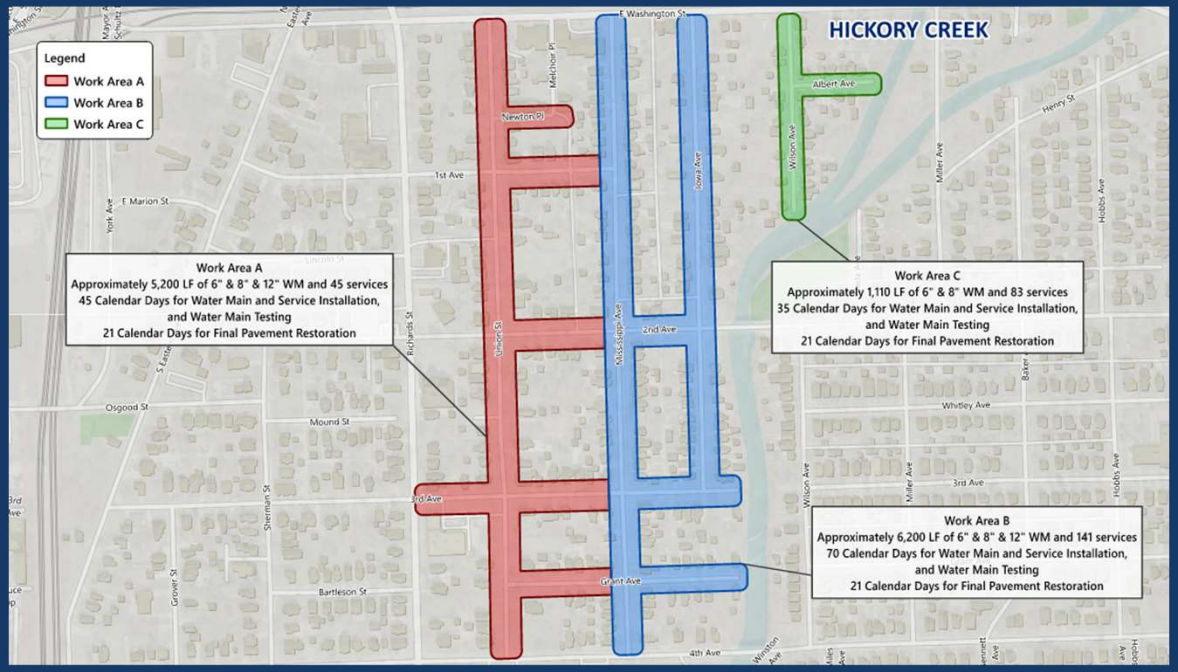
Marquette Park



- 11,100 feet of 6” – 16”, DI or PVC
- Estimated Notice to Proceed: 5/1/25
- Substantial Completion: 150 days
- Final Completion: 180 days
- Expected Lead Service Lines
- City will complete pH testing and sign LPC-662
- Work within IDOT ROW. No detour required; Bond amount not yet determined
- Rear yard service abandonments in easement
- Coordinate sequencing with school

Project Review – Bid Group 3

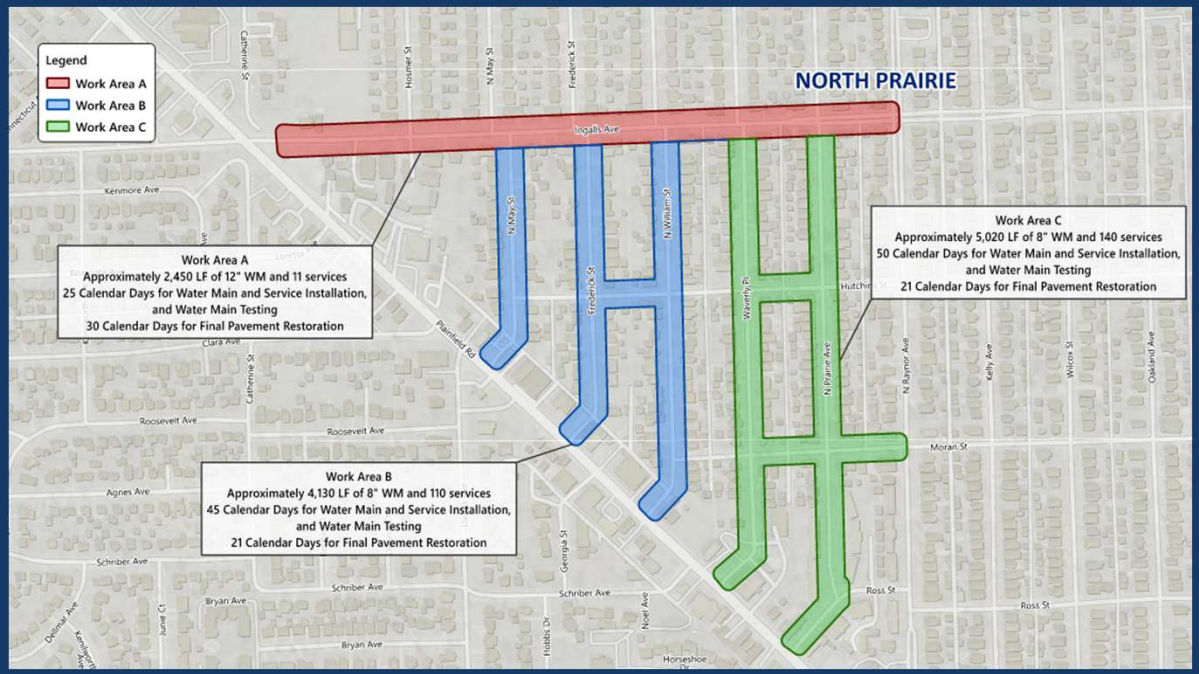
Hickory Creek West



- 12,800 feet of 6” – 12”, DI or PVC
  - Includes 800 feet of 8” via HDD
- Estimated Notice to Proceed: 5/1/25
- Substantial Completion: 150 days
- Final Completion: 180 days
- Expected Lead Service Lines
- Soil boring logs included in appendices. LPC 663 to be signed

Project Review – Bid Group 3

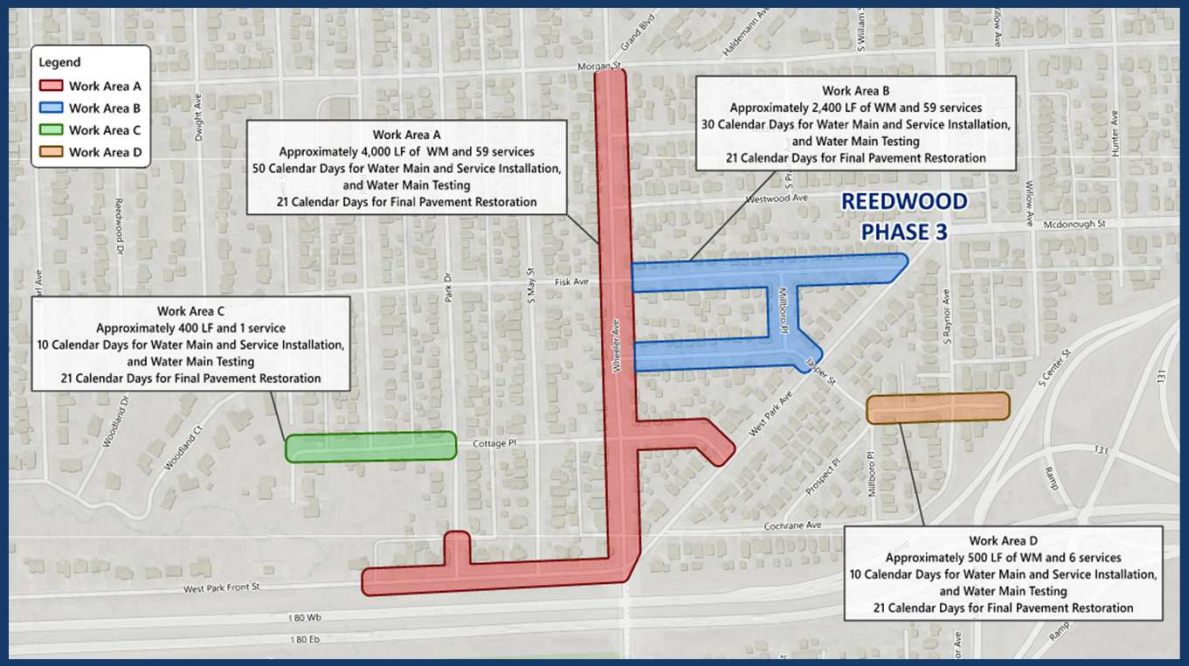
North Prairie



- 12,000 feet of 6” – 12”, DI or PVC
- Estimated Notice to Proceed: 6/1/25
- Substantial Completion: 120 days
- Final Completion: 150 days
- Expected Lead Service Lines
- City will complete pH testing and sign LPC-662

Project Review – Bid Group 3

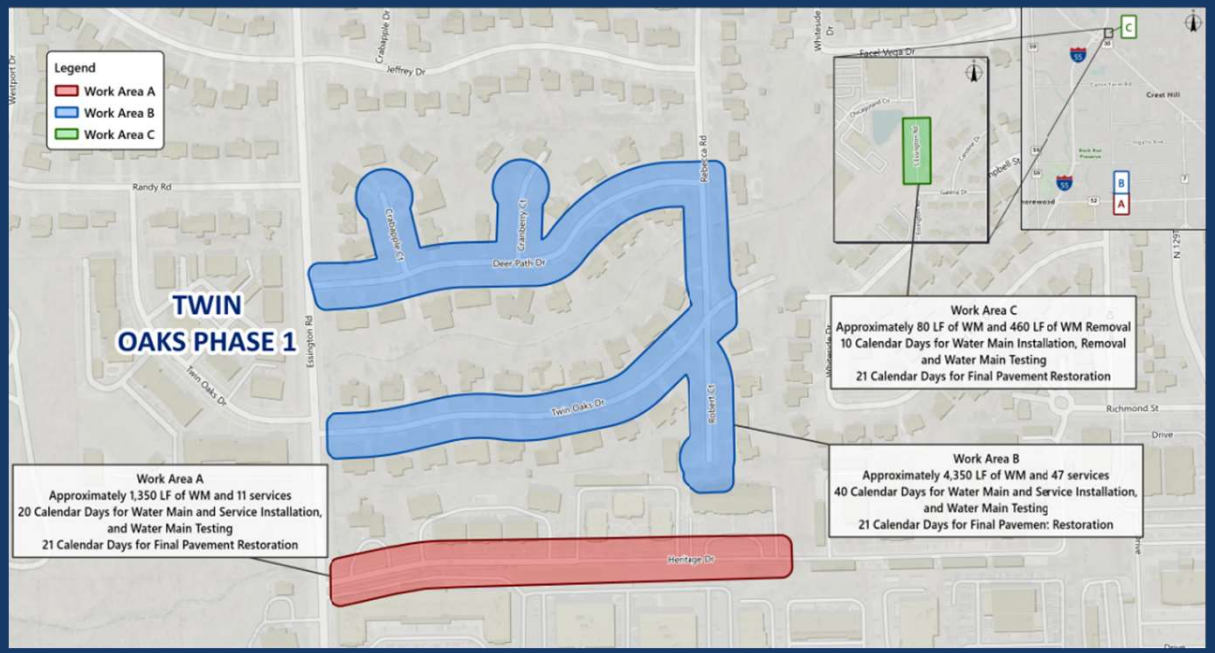
Reedwood Phase 3



- 7,200 feet of 6” – 16”, DI or PVC
- Estimated Notice to Proceed: 4/1/25
- Substantial Completion: 120 days
- Final Completion: 150 days
- Expected Lead Service Lines
- City will complete pH testing and sign LPC-662
- Rear yard service abandonments

Project Review – Bid Group 3

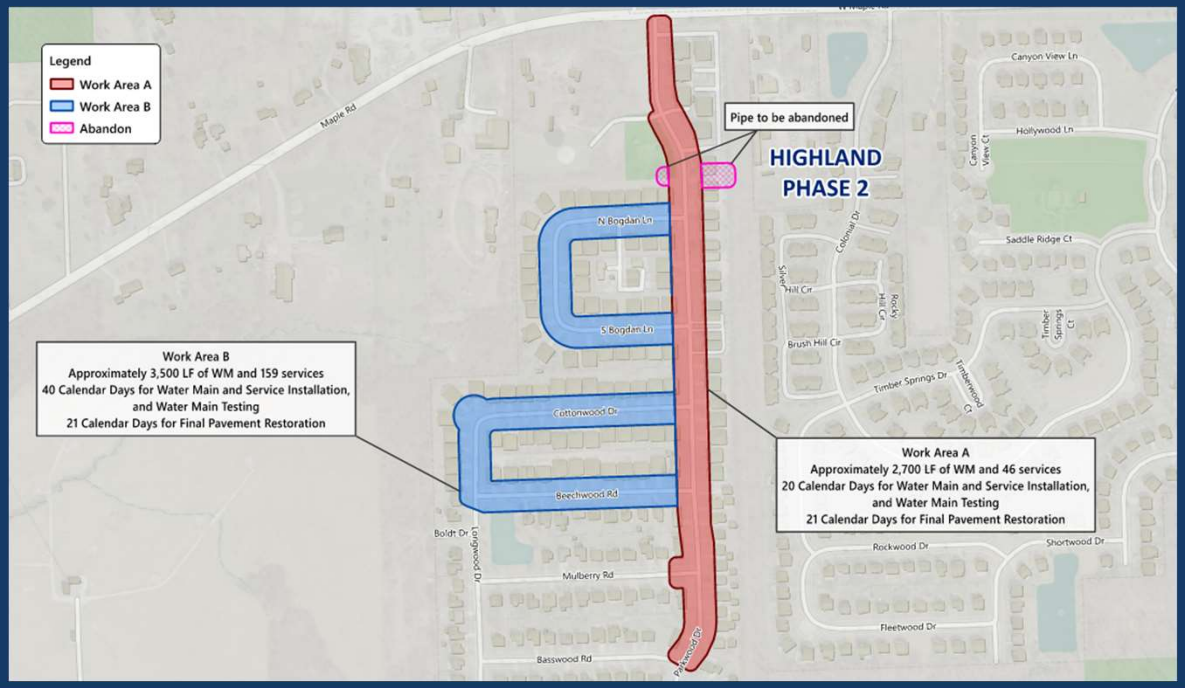
Twin Oaks Phase 1



- 5,300 feet of 6” – 8”, DI or PVC
  - Includes 200 feet of 8” HDPE via HDD
- Estimated Notice to Proceed: 3/15/25
- Substantial Completion: 70 days
- Final Completion: 100 days
- City will complete pH testing and sign LPC-662

Project Review – Bid Group 3

Highland Phase 2



- 6,400 feet of 8” – 12”, DI or PVC
- Estimated Notice to Proceed: 7/1/25
- Substantial Completion: 60 days
- Final Completion: 90 days
- City will complete pH testing and sign LPC-662
- Work within IDOT ROW. No detour required; Bond amount not yet determined
- Coordinate connection near elevated tank with City operations staff

Bidding Requirements

Important Dates

	Bid Group 1	Bid Group 2	Bid Group 3
Last Day for DBE Ads	November 2-4	November 17-19	November 23-25
Last Day for Questions	November 11	November 26	December 2
Bid Openings	November 18-20	December 3-5	December 9-11

One advertisement is acceptable for multiple projects, must meet earliest date

Bid Group 4

Heggie Park Phase 1

- Approximately 8,000 feet of 8” – 20”
- Complexities
  - Three railroad crossings
  - Coordinate connection at WTP with City operations staff
  - Local detours required

Washington Street

- Approximately 3,800 feet of 8” – 20”
- Complexities
  - One railroad crossing
  - Coordinate connection near pump station with City operations staff
  - Local detour required

Tentative Timeline

- **Advertise for Bids: Late January**
- **Bid Opening: Late February**
- **Award: Early March**
- **NTP: April**

Q&A



Please sign attendance sheet

Contact information in Advertisement for Bids and Bidder Instructions