

City of Joliet

2023 Water Main Improvements – Bid Group 2

Pre-bid Conference

- St. Pat's Phase 1A (Contract No. 2689-0123)
- St. Pat's Phase 1B (Contract No. 2690-0123)
- Caton Farm (Contract No. 2686-0123)
- Midland Avenue East (Contract No. 2688-0123)
- Garnsey Park Phase 4 (Contract No. 2687-0123)

November 17, 2022

Overview

2023 Program Overview

- Bid Groups
- Funding Requirements

Bidding Requirements

- City of Joliet
- Important Dates

Water Main Improvement Projects

- St. Pat's Phase 1A (2689-0123)
- St. Pat's Phase 1B (2690-0123)
- Caton Farm (2686-0123)
- Midland Avenue East (2688-0123)
- Garnsey Park Phase 4 (2687-0123)



2023 Program Overview



- **Bid Group 1**

- Highland Phase 1 6,300 ft
- Kerwin Terrace 11,100 ft
- Plainfield Road (Black to Center) 8,600 ft
- Collins Street 9,300 ft
- Joliet Ottawa 6,200 ft
- Black Road Acres Phase 1 15,500 ft

- **Bid Group 2**

- St. Pat's Phase 1A 8,500 ft
- St. Pat's Phase 1B 10,300 ft
- Caton Farm 9,300 ft
- Midland Avenue East 13,500 ft
- Garnsey Park Phase 4 10,900 ft

- **Funding**

- WIFIA Federal Funding Requirements
- IEPA SRF Funding
- Water & Sewer Funds



Bidding Requirements



City of Joliet

- Prequalification (Ordinance No. 7345)
- 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 any 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
- Illinois Works Jobs Program Act – Apprenticeship Initiative





Specifications and Measurement of Payment

- Contractor must meter water
- Bid Submittal Checklist for IEPA requirements
- Project Signs Required
- Liquidated Damages: \$1,200 / \$600
- Contractor Badges required prior to entering homes
- Licensed plumber required for all water services
- Full lead service line replacements anticipated in most projects

Bidding Requirements



Specifications and Measurement of Payment

- Ductile iron pipe mobilization for all projects
- PVC AWWA C900, Class 235, SDR 18 for some projects
- Trench backfill tables in M&P
- RJT tables in Standard Details
- Pavement Restoration Thicknesses in General Notes
- Preventing job abandonment
 - Water services within 7 days of IEPA approval
 - Final pavement restoration within 21 days of last water service or moving to another street
 - Option for temporary pavement within 7 days at no cost to the City



Bidding Requirements



Material Testing QA/QC

- Follow IDOT Memo 20-08.3 Field Test Procedures for Mixer Performance and Concrete Uniformity Tests
 - Air content, slump, coarse aggregate content, strength at 7 days
- Comply with IDOT Special Provision LR-1030-2 for HMA Pavement QC/QA
- Nuclear density gauge testing or core sampling
- Follow Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - DEPTH VARIES	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - DEPTH VARIES	4% @ 50 Gyr.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - DEPTH VARIES	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2" MINIMUM	4% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1 1/2" MINIMUM	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 1 1/2" MINIMUM	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0mm) - 8"	4% @ 70 Gyr.

Test	Requirement (Note 1)
Air Content, percent by volume of concrete	1.0 (Note 2)
Slump, mm (inch)	25 (1.0) (Note 3)
Coarse aggregate content, portion by mass (weight) of each sample retained on the No. 4 sieve, percent	6.0
Average flexural or compressive strength at 7 days for each sample based on average strength of all comparative test specimens, percent	7.5 (Note 4)





GPS Data Collection Requirements

- Survey all exposed or installed water, sanitary, and storm utilities
- City of Joliet will provide one complete GPS unit and ESRI license per project
 - \$7,500 deposit (cashier's check)
 - Contractor can provide their own GPS unit or rent additional from B&W
- Contractor must provide a smart phone or tablet with 5G connectivity
- City staff will not provide technical support of the GPS units
- Baxter & Woodman will provide a 2-hour training session at the start of construction and support up to 4-hours per month
 - The cost for additional support is not included in this project



Bidding Requirements



Important Dates

- Last day for DBE Advertisements:
 - St. Pat's Phase 1A December 3
 - St. Pat's Phase 1B December 3
 - Caton Farm December 4
 - Midland Avenue East December 4
 - Garnsey Park Phase 4 December 5
- Last day for questions: Wednesday, December 14th
- Bid Openings at 150 W Jefferson:
 - St. Pat's Phase 1A December 19, 10:00 AM
 - St. Pat's Phase 1B December 19, 2:00 PM
 - Caton Farm December 20, 10:00 AM
 - Midland Avenue East December 20, 2:00 PM
 - Garnsey Park Phase 4 December 21, 10:00 AM
- Estimated Notice to Proceed – Varies by project

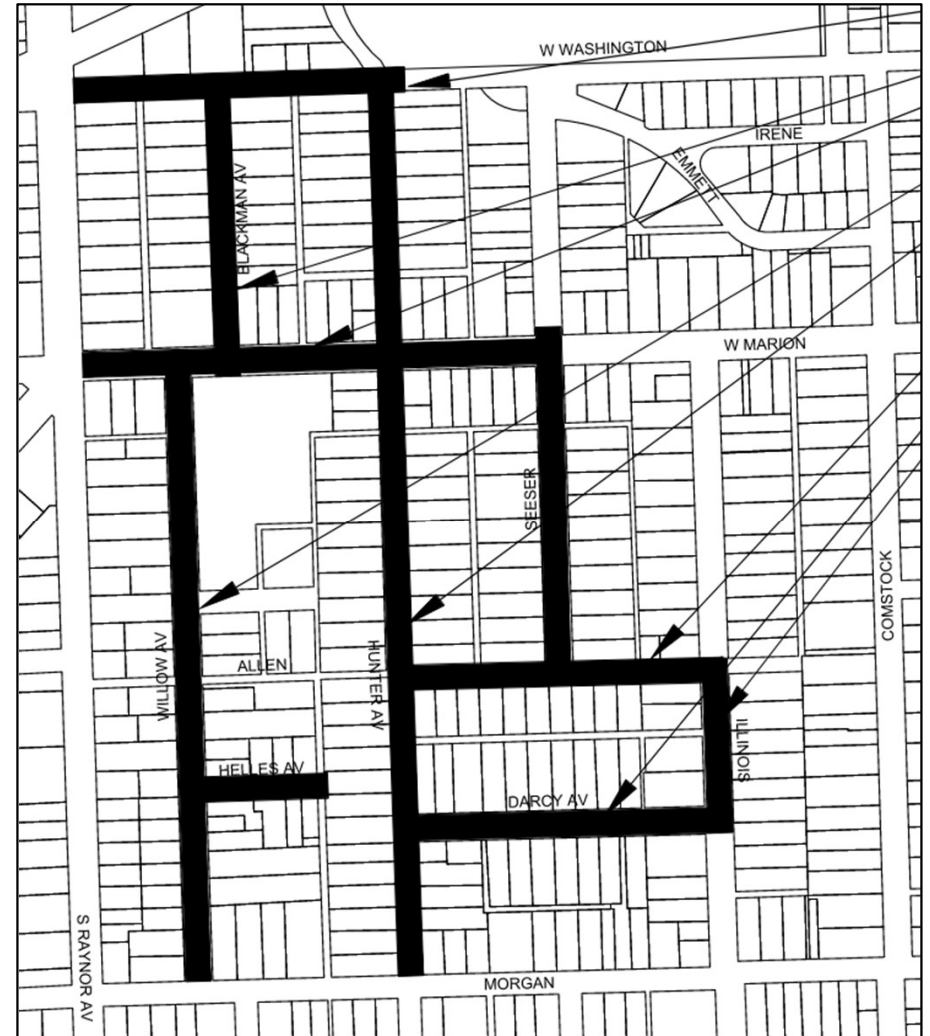


Water Main Improvement Projects



St. Pat's Phase 1A

- 8,300' of PVC water main
- Rock excavation expected
- Includes sanitary sewer improvements
- City will complete pH testing and sign LPC-662
- Substantial Completion: 150 calendar days
- Final Completion: 180 calendar days
- Estimated Notice to Proceed: 4/1/2023



Water Main Improvement Projects



St. Pat's Phase 1B

- 10,000' of PVC water main
- Rock excavation expected
- Includes sanitary sewer improvements
- City will complete pH testing and sign LPC-662
- Substantial Completion: 120 calendar days
- Final Completion: 150 calendar days
- Estimated Notice to Proceed: 7/1/2023

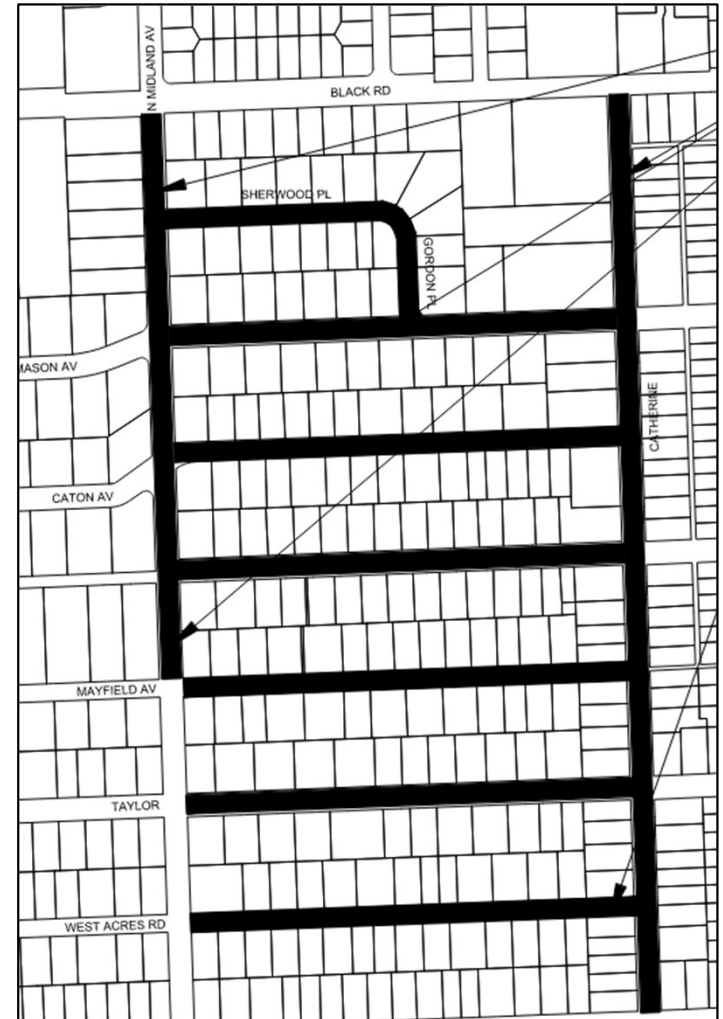


Water Main Improvement Projects



Midland Avenue East

- 13,100' of PVC water main
- Rock excavation expected
- Includes sanitary sewer work
- City will complete pH testing and sign LPC-662
- Substantial Completion: 180 calendar days
- Final Completion: 210 calendar days
- Estimated Notice to Proceed: 4/1/2023

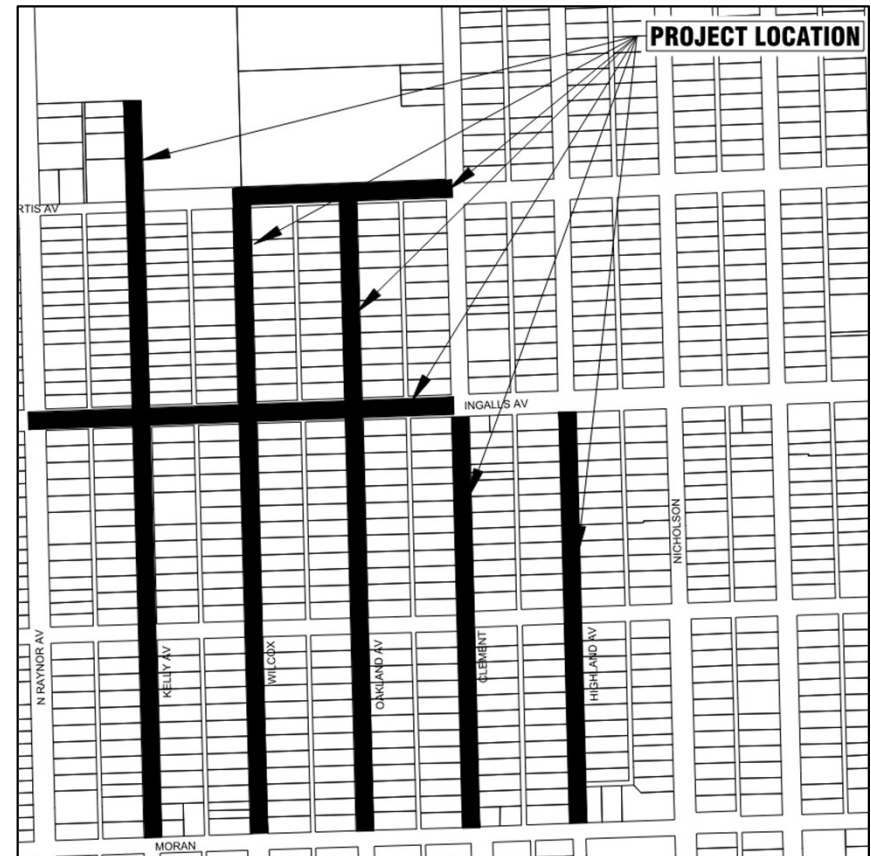


Water Main Improvement Projects



Garnsey Park Phase 4

- 10,700' of PVC water main
- Includes two sanitary sewer point repairs
- City will complete pH testing and sign LPC-662
- Substantial Completion: 150 calendar days
- Final Completion: 180 calendar days
- Estimated Notice to Proceed: 6/1/2023



Bidding Requirements



Important Dates

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 - Garnsey Park Phase 4 December 5
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 - Garnsey Park Phase 4 December 21, 10:00 AM
- Estimated Notice to Proceed – Varies by project



Questions?

Please sign attendance sheet

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