

CHANNAHON | CREST HILL | JOLIET | MINOOKA | ROMEOVILLE | SHOREWOOD



GRAND PRAIRIE
WATER COMMISSION

2023 CONTRACTOR OUTREACH EVENT
November 16, 2023



GRAND PRAIRIE
WATER COMMISSION

Alternative Water Source Program Contractor Outreach Event

- 8:30 AM - Welcome and Introductions
- 8:35 AM – Opening Remarks
- 8:45 AM – Contracting Opportunity Overview and Schedule
- 10:15 AM – Break
- 10:30 AM – Contracting Provisions
- 11:00 AM – Questions and Answers











SAFETY MOMENT – EMERGENCY EVACUATION PLAN



GRAND PRAIRIE
WATER COMMISSION



-  EXIT ACCESS
-  FIRST AID STATION
-  SEVERE WEATHER SHELTER
-  FIRE EXTINGUISHER
-  PULL BOX
-  AED
-  EVACUATION STAIR CHAIR
-  AREA OF RESCUE

IN CASE OF FIRE DO NOT USE
ELEVATORS

IN CASE OF TORNADO WARNING
SEEK SEVERE WEATHER SHELTER OR
INTERIOR AREA AWAY FROM GLASS



2023 Contractor Outreach Presenters



Allison Swisher
City of Joliet



Brian Kazyak
Stantec



Chris Ulm
Strand



Joe Johnson
Stantec



Theresa O'Grady
CMT



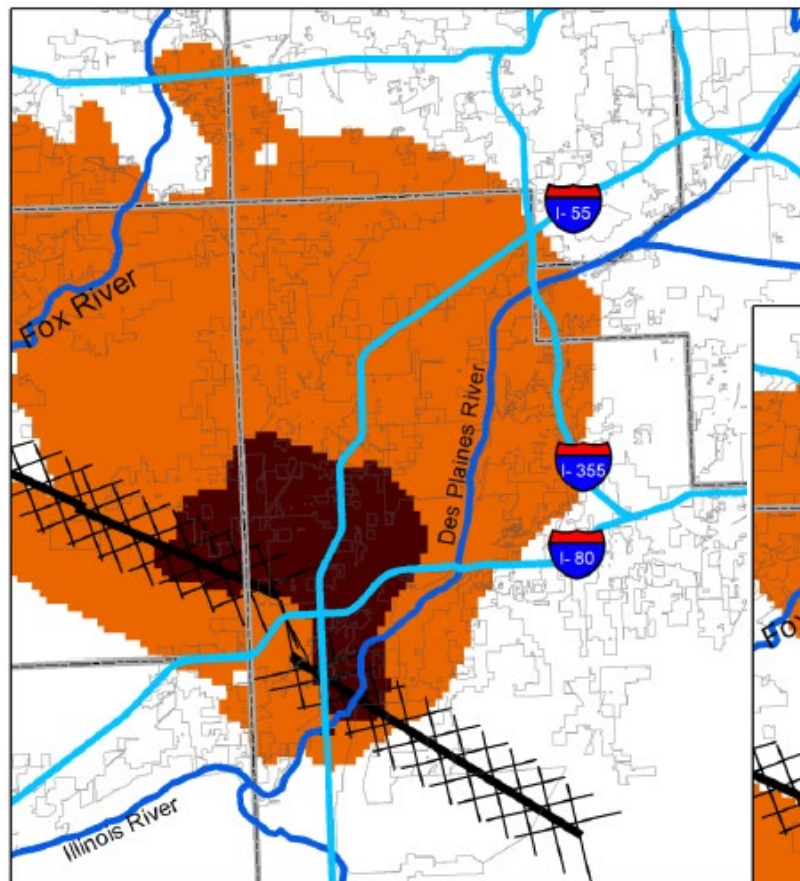
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Opening Remarks

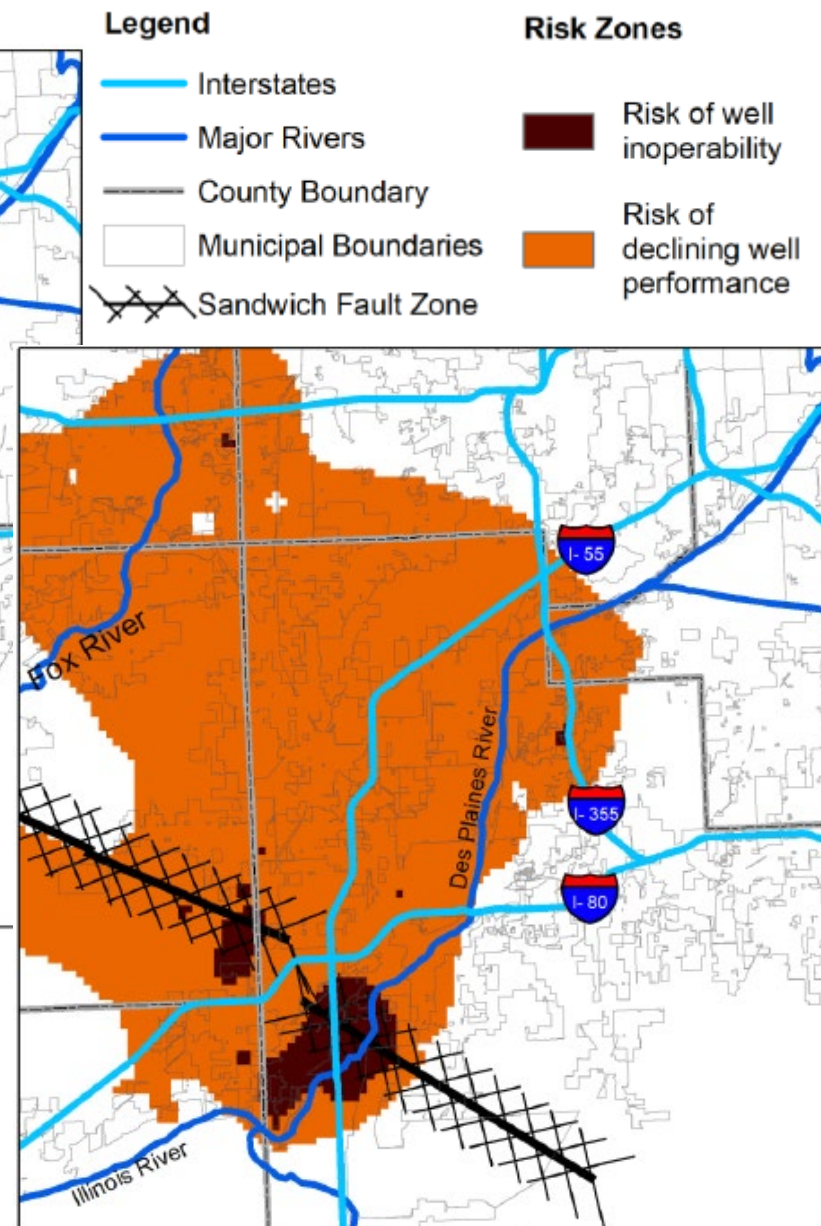


REGIONAL PROBLEM

- Groundwater sources in the region are in jeopardy
- Deep sandstone aquifer is being depleted to the point of inoperability
- Joliet switching off the deep sandstone aquifer does not solve the problem.



2029 – Before Joliet switches off the aquifer (From ISWS)

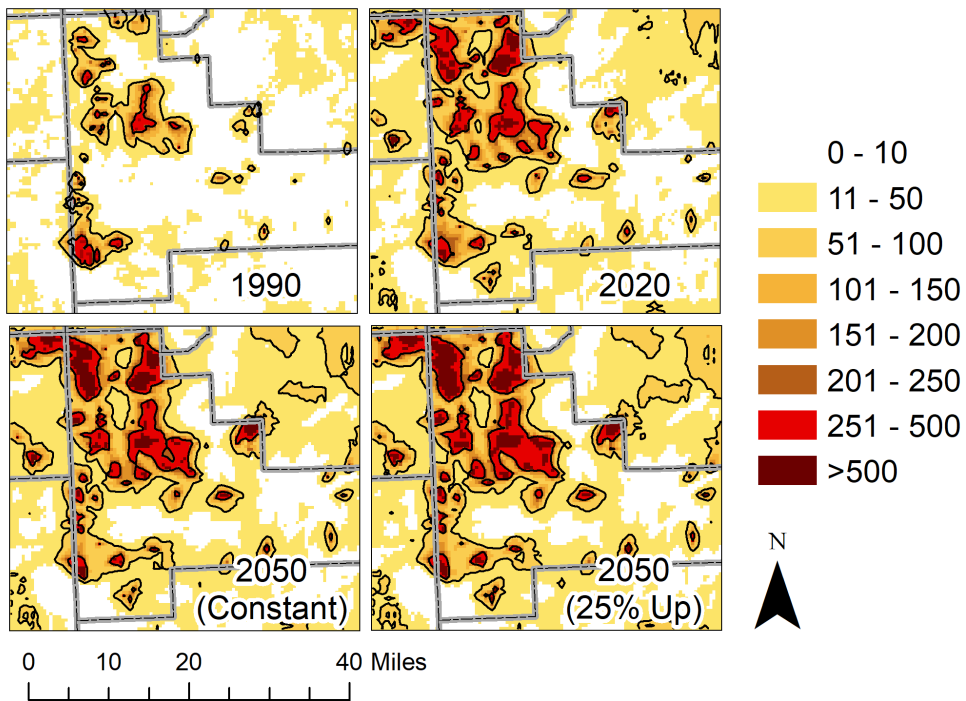


2050 – Peak Pumping (Joliet off aquifer) (From ISWS)

The Illinois State Water Survey has concluded that most sandstone wells in the Will County region are at risk of not meeting supply in the future, and as water levels continue to decline, they will become increasingly vulnerable to new demands in the region.

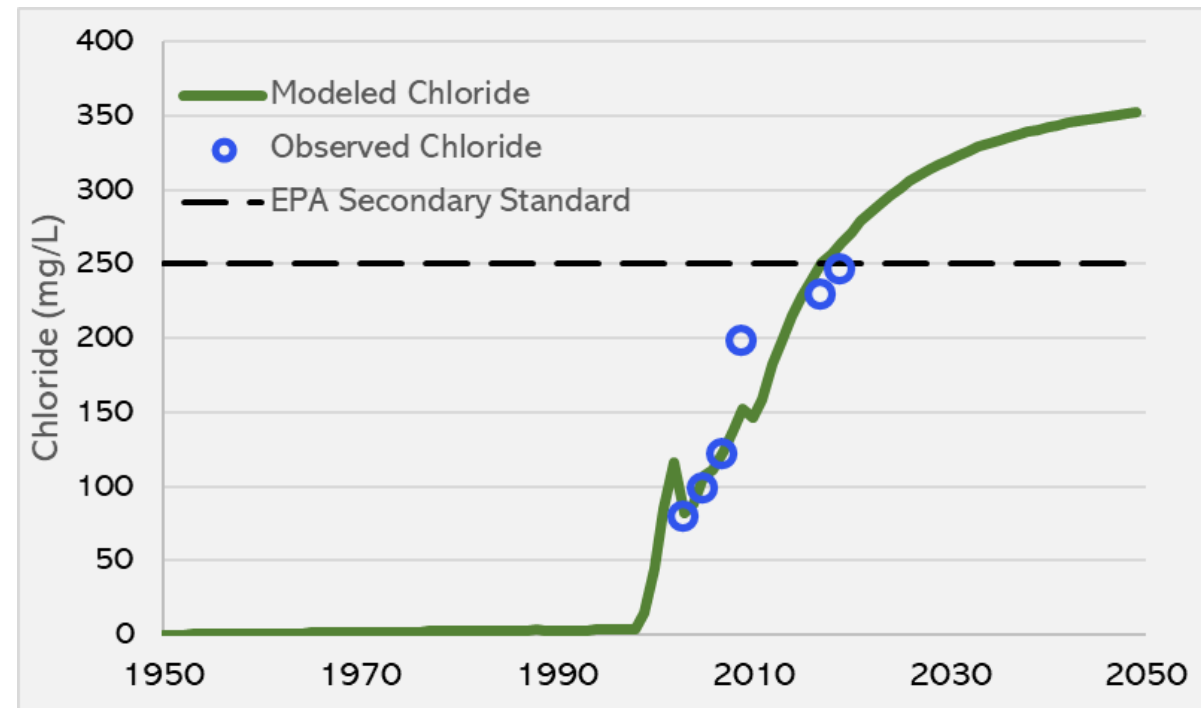
REGIONAL PROBLEM

- Groundwater sources in the region are in jeopardy
- shallow aquifer water quality is deteriorating due to **increased chloride levels and presence of PFAS**



Red areas depict areas that could have groundwater concentrations approach or exceed the secondary standard (From ISWS)

- **The Illinois State Water Survey has concluded that chloride has been increasing in the aquifer for decades due to road salt applications, approaching or exceeding the secondary water quality standard in many portions of northern Will County. Some communities may see drinking water quality deteriorate; water would taste salty and possibly be corrosive.**
- **Recent shallow well testing by IEPA showed presence of PFAS in some wells at levels which may require treatment**



There are observed and modeled increases in chloride levels in regional shallow wells (From ISWS)

JOLIET CITY COUNCIL DECISION



- **JANUARY 28, 2021**

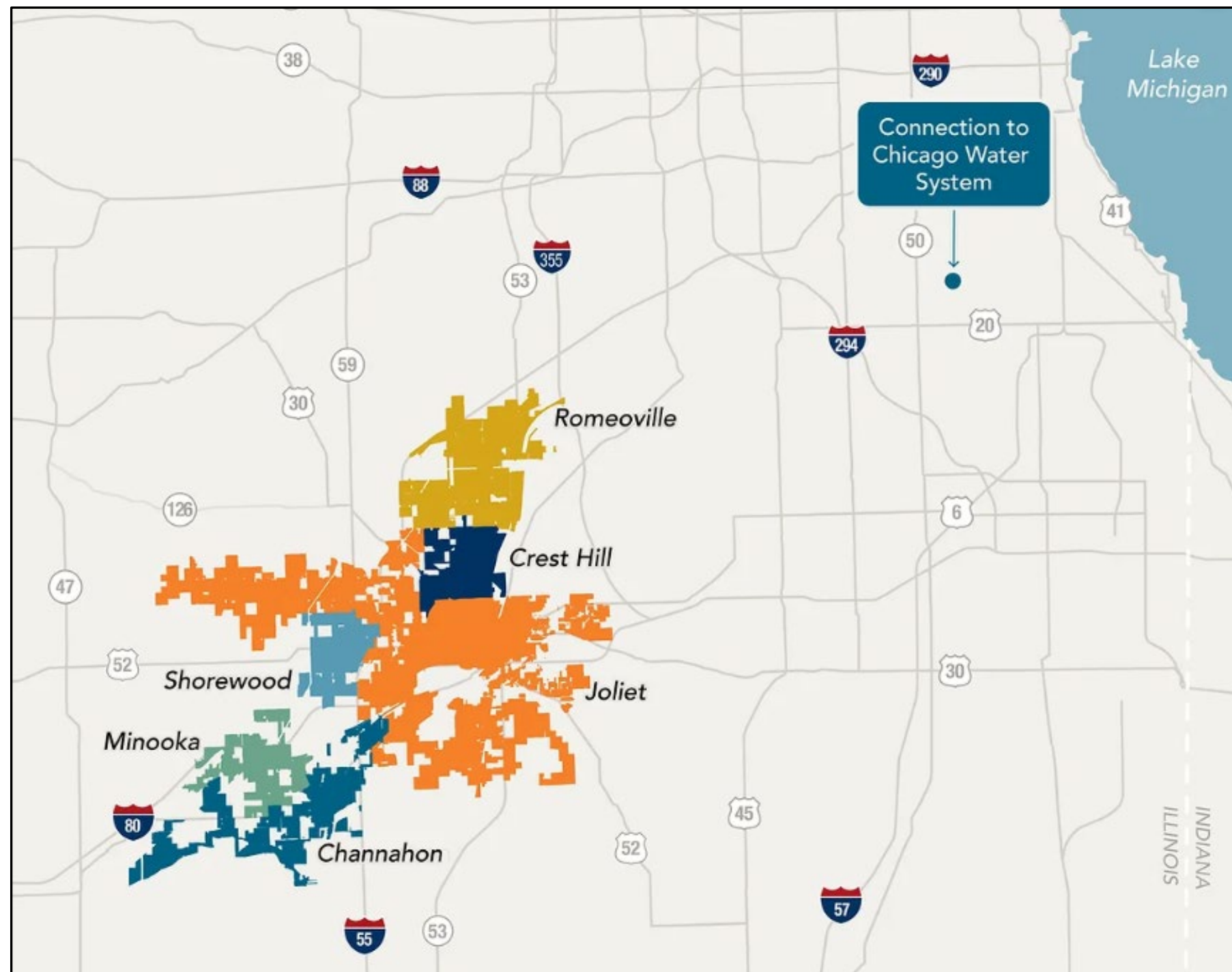
SELECTION OF NEW WATER SOURCE ALTERNATIVE

- ✓ Purchase treated water from the City of Chicago and pump to the southwest suburbs for distribution



REGIONAL WATER COMMISSION

- 6 Communities
 - Channahon
 - Crest Hill
 - Joliet
 - Minooka
 - Romeoville
 - Shorewood
- Preliminary Agreement regarding formation of a regional water commission **approved** in February 2022



REGIONAL WATER TRANSMISSION SYSTEM



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WATER COMMISSION

CIP #3

Intermediate Pump Station and Standpipe

Chicago Connection at SW Pumping Station/ Durkin Park

CIP #1

Finished Water Transmission Main

CIP #2

CIP #4

Intermediate Standpipe

CIP #6

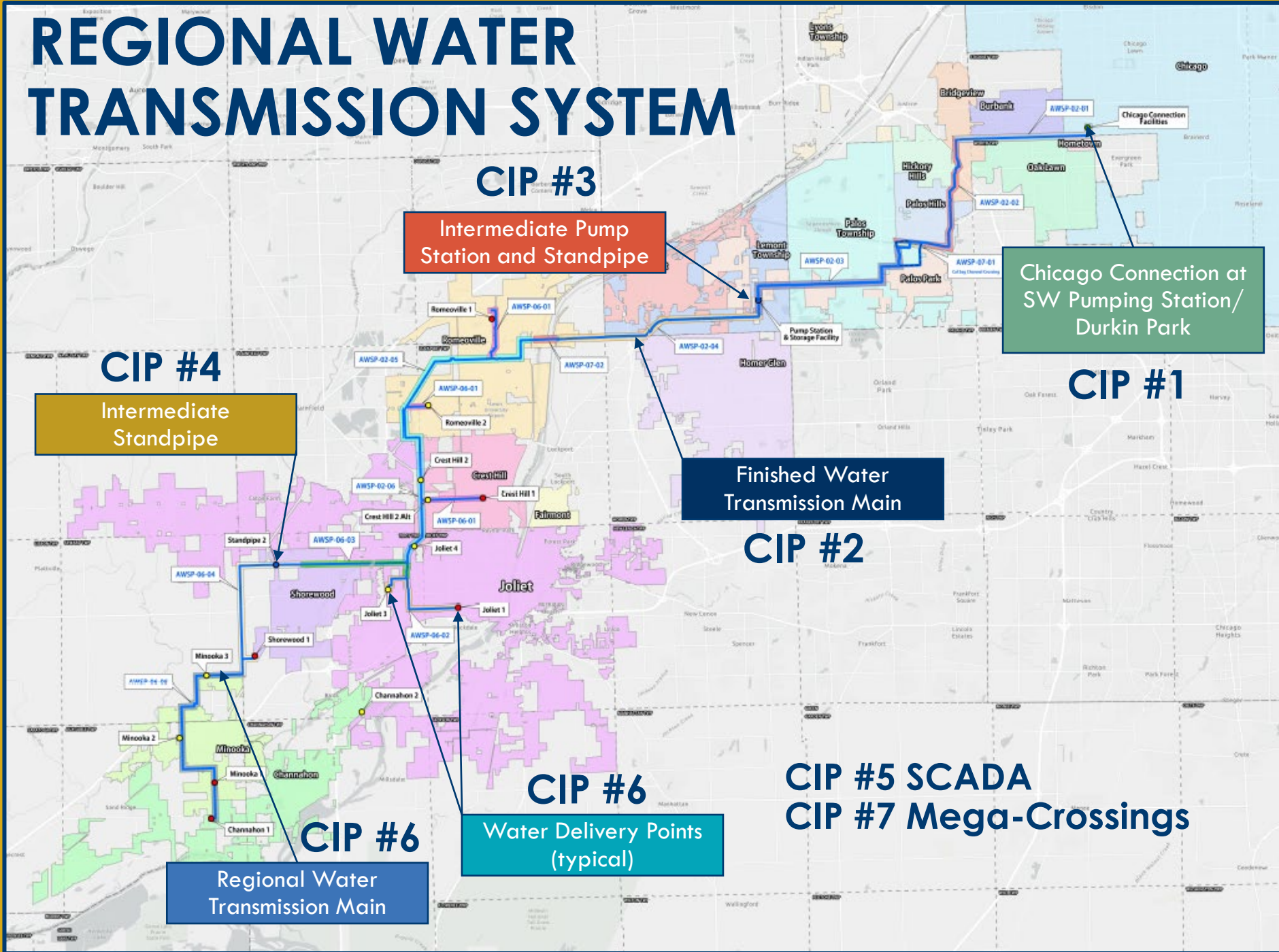
Water Delivery Points (typical)

CIP #5 SCADA
CIP #7 Mega-Crossings

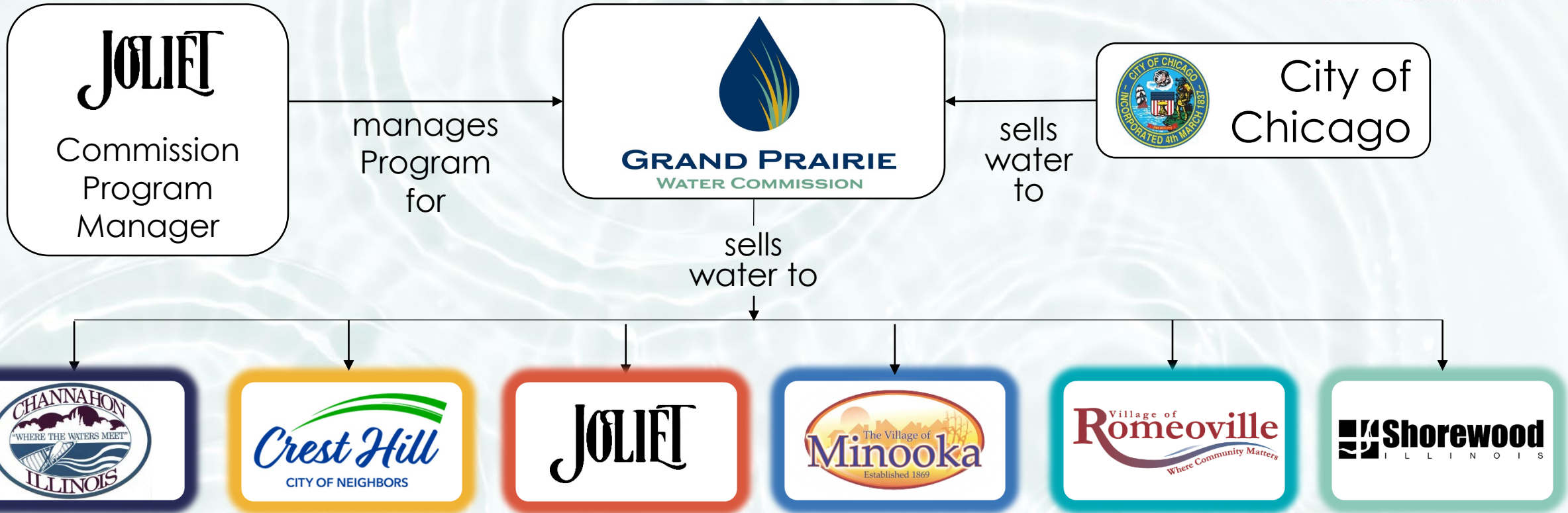
CIP #6

Regional Water Transmission Main

- Transmission Main
- Delivery Point**
- Chicago Connection
- Primary
- Non-Primary
- Intermediate Location
- Member Community**
- Channahon
- Crest Hill
- Joliet
- Minooka
- Romeoville
- Shorewood



WATER COMMISSION STRUCTURE



Water Commission will be governed by a Board of Commissioners.
Each Member will appoint an elected official as its representative.

STRATEGIC PLAN

(RWC Version 1.0 – April 2022)



- The **Vision Statement** for the Alternative Water Source Program is:

To be recognized as a leader in providing sustainable, reliable and high-quality water in an innovative, collaborative, fiscally responsible and efficient manner for our communities

- The **Mission Statement** for the Alternative Water Source Program is:

*To provide a **sustainable, reliable** and **high-quality** water supply for our communities **by 2030** in order to support the public health, safety and economic interests of the community.*

GPWC ACCOMPLISHMENTS



- ✓ Preliminary Water Supply Agreement with Chicago (Feb 2021)
- ✓ Water Commission Legislation signed by Governor (Dec 2021)
- ✓ Preliminary Agreement re: Commission Formation (Feb 2022)
- ✓ Joliet closes on \$87.5M WIFIA loan for development (Apr 2022)
- ✓ GPWC invited to apply for \$373M WIFIA loan (Oct 2022)
- ✓ Final Water Supply Agreement with Chicago signed (May 2023)
- ✓ Allocation Hearings completed for GPWC members (Aug 2023)
- ✓ Baseline budget for GPWC program adopted (Aug 2023)

PROGRAM OVERVIEW: 2024 AND BEYOND



2024

- Commission Formation
- Commission WIFIA Loan Closing
- Final Design and Bidding
- Construction Begins at Chicago Connection

2025

- Final Design and Bidding
- Construction

2026-2030

- Final Design and Bidding
- Construction
- Commissioning/Startup
- Water Source Transfer
- **Water Starts flowing in 2030**

Ongoing Public Education and Outreach



JOIN OUR MAILING LIST!

e.g. name@example.com

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[Click here](#) to check out our Summer Newsletter!

Congressman Bill Foster Announces Funding for Grand Prairie Water Commission! [Watch Here](#)

“Like roots finding water, we always wind up moving towards what sustains us.”

— Mark Nepo

Visit www.gpwc-il.org

- Program Overview
- Document Library
- News and Announcements
- Quarterly Newsletter

Six communities in the southwest suburbs of Chicago have agreed to form the Grand Prairie Water Commission to provide a sustainable and reliable water supply to meet water needs and support continued growth and development in the region. They are :

- Village of Channahon
- City of Crest Hill
- City of Joliet
- Village of Minooka
- Village of Romeoville
- Village of Shorewood

For the past several years communities in the southwestern suburban region have been evaluating alternative water sources due to water quantity and water quality challenges with their existing water supplies. Lake Michigan water purchased from the City of Chicago was selected to achieve the vision of these municipalities of being leaders in providing sustainable, reliable, and high-quality water in an innovative, collaborative, fiscally responsible and efficient manner for their communities.

[Read More](#)



The mission of the Grand Prairie Water Commission is to provide a sustainable, reliable, and high-quality water supply for the member communities by 2030 and beyond in order to support public health, safety, economic interests, and quality of life.



Current CONNECTIONS

JUNE 2023 | ISSUE 3

CHANNAHON | CREST HILL | JOLIET | MINOOKA | ROMEOVILLE | SHOREWOOD

Funding Received

On May 4th Congressman Foster met with members of the Grand Prairie Water Commission in Romeoville and presented them with a ceremonial check for \$3.45 million. These funds are part of a federal allocation for the development of the infrastructure needed by the Grand Prairie Water Commission.



“We are grateful for the chance to host Congressman Foster and the leadership of the future Grand Prairie Water Commission in Romeoville today,” stated Romeoville Mayor Noak. “Congressman Foster stood with us when we announced this commission last year, and this Community Project Funding shows he continues to stand with us in Washington.”

WYLAND MAYOR'S CHALLENGE A Success

The GPWC communities all participated in the National Mayor's Challenge for Water Conservation throughout the month of April. The event was kicked off with a live radio interview on WJOL with a representative from each community. Members asked their residents to take a pledge to conserve water to save money and the planet. Each community generated excitement about the event in several ways, including social media posts and email notifications. Local schools were also asked to participate with their students.

Nationally, 2,298 communities participated in the 2023 Challenge. Through this participation, the pledges made will save 1 Billion gallons of water!



While none of the GPWC member communities won the National Challenge this year, they did have a friendly competition amongst themselves. Of the six member communities, Crest Hill residents pledged to save the greatest amount of water. They were recognized by their peers for their efforts and presented with a trophy to display for the coming year.

“I'm proud of the residents of Crest Hill for the pledges they made,” stated Mayor Ray Salzman. “Their commitment to conservation helps everyone, and we look forward to holding on to the trophy in 2024.”

Water Supply Agreement with City of Chicago Signed

In April 2023 a water supply agreement was approved by the Joliet and Chicago City Councils. This agreement provides for the delivery of treated water, water rates based on the actual cost of service, and the formation of an Advisory Council made up of all City of Chicago wholesale water customers which will provide transparency and opportunities for input on rate setting and system operations. The water supply agreement will be transferred to the Grand Prairie Water Commission after commission formation.

The Commission will be responsible for the construction, operation, and maintenance of the infrastructure required to bring the treated water from Chicago to the member communities.

This 100-year contract is a major shift in Chicago's approach to its relationship with suburban customers. You can view the agreement on the website.



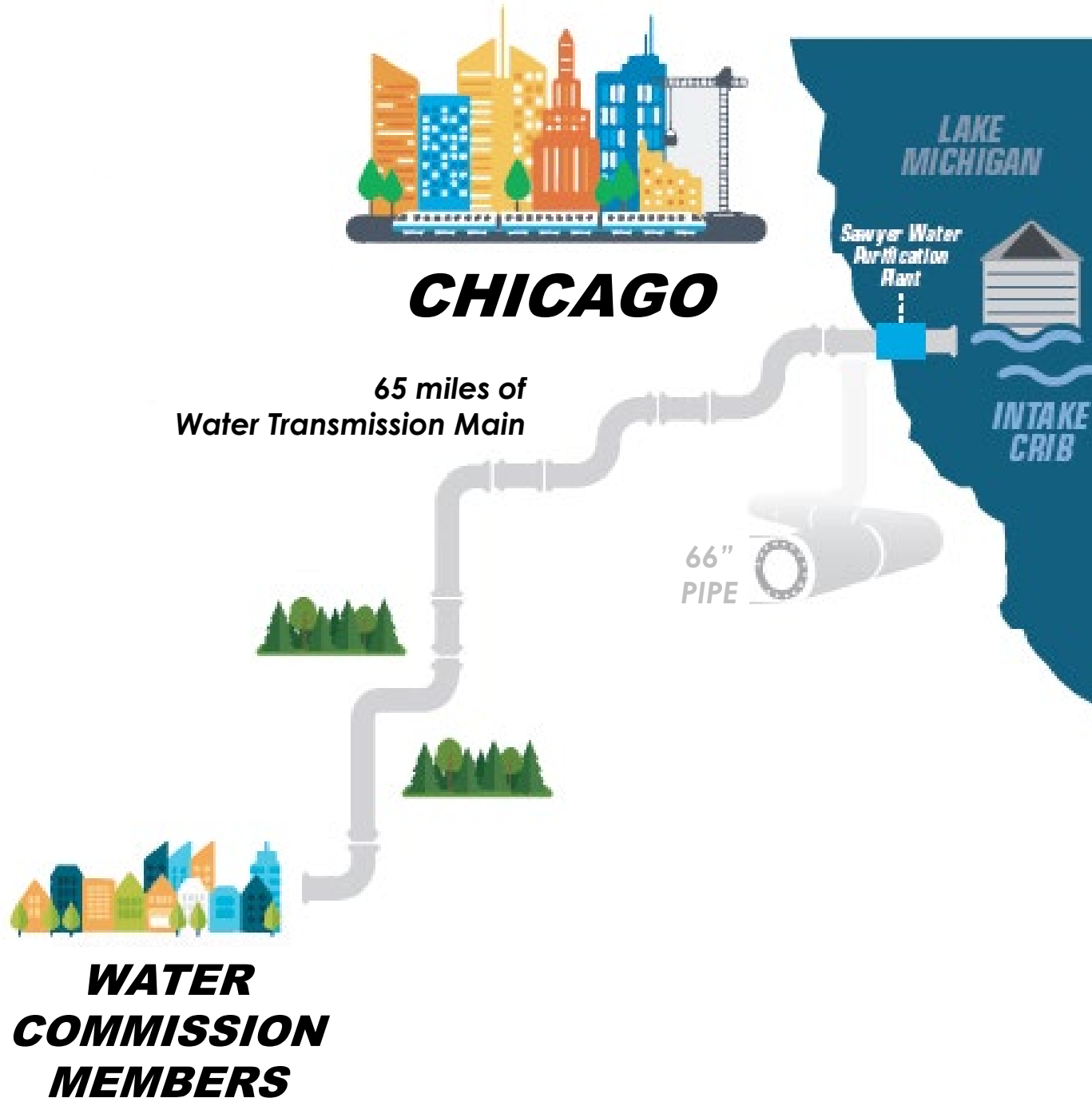
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Visit us at www.gpwc-il.org



2030

Delivering Lake Michigan Water to a Growing Region





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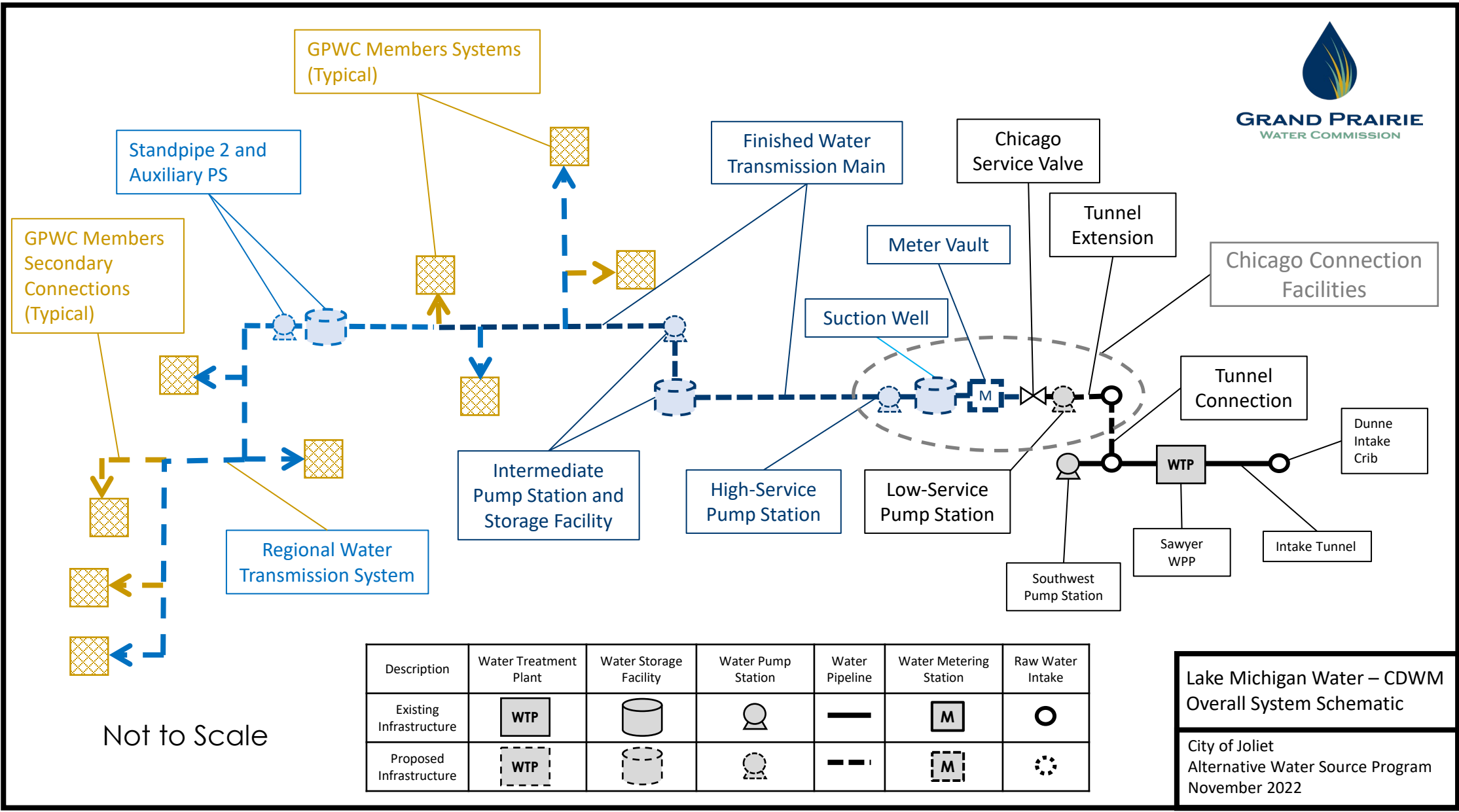
Contracting Opportunity Overview and Schedule















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WATER COMMISSION

GPWC WATER TRANSMISSION SYSTEM IMPROVEMENTS





Not to Scale

Description	Water Treatment Plant	Water Storage Facility	Water Pump Station	Water Pipeline	Water Metering Station	Raw Water Intake
Existing Infrastructure						
Proposed Infrastructure						

Lake Michigan Water – CDWM
Overall System Schematic

City of Joliet
Alternative Water Source Program
November 2022

AWSP Infrastructure Work Breakdown



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Capital Improvement Projects (CIPs)

- Main division of infrastructure by type/location
- Total of 7 CIPs

Work Packages

- Construction contracts
- Total of 26 work packages

REGIONAL WATER TRANSMISSION SYSTEM



GRAND PRAIRIE
WATER COMMISSION

CIP #3

Intermediate Pump Station and Standpipe

Chicago Connection at SW Pumping Station/ Durkin Park

CIP #1

Finished Water Transmission Main

CIP #2

CIP #4

Intermediate Standpipe

CIP #5 SCADA
CIP #7 Mega-Crossings

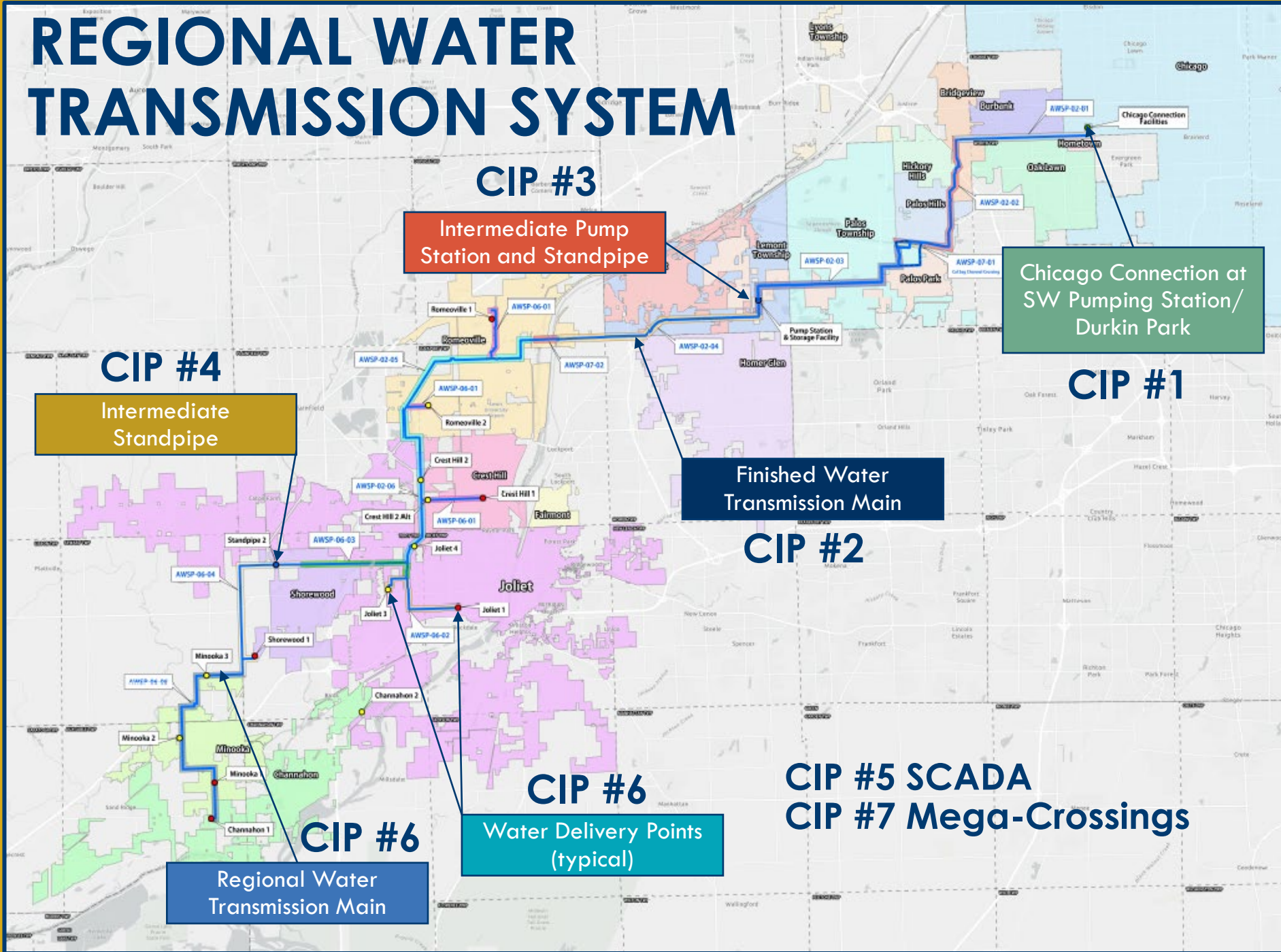
CIP #6

Water Delivery Points (typical)

CIP #6

Regional Water Transmission Main

- Transmission Main
- Delivery Point**
- Chicago Connection
- Primary
- Non-Primary
- Intermediate Location
- Member Community**
- Channahon
- Crest Hill
- Joliet
- Minooka
- Romeoville
- Shorewood

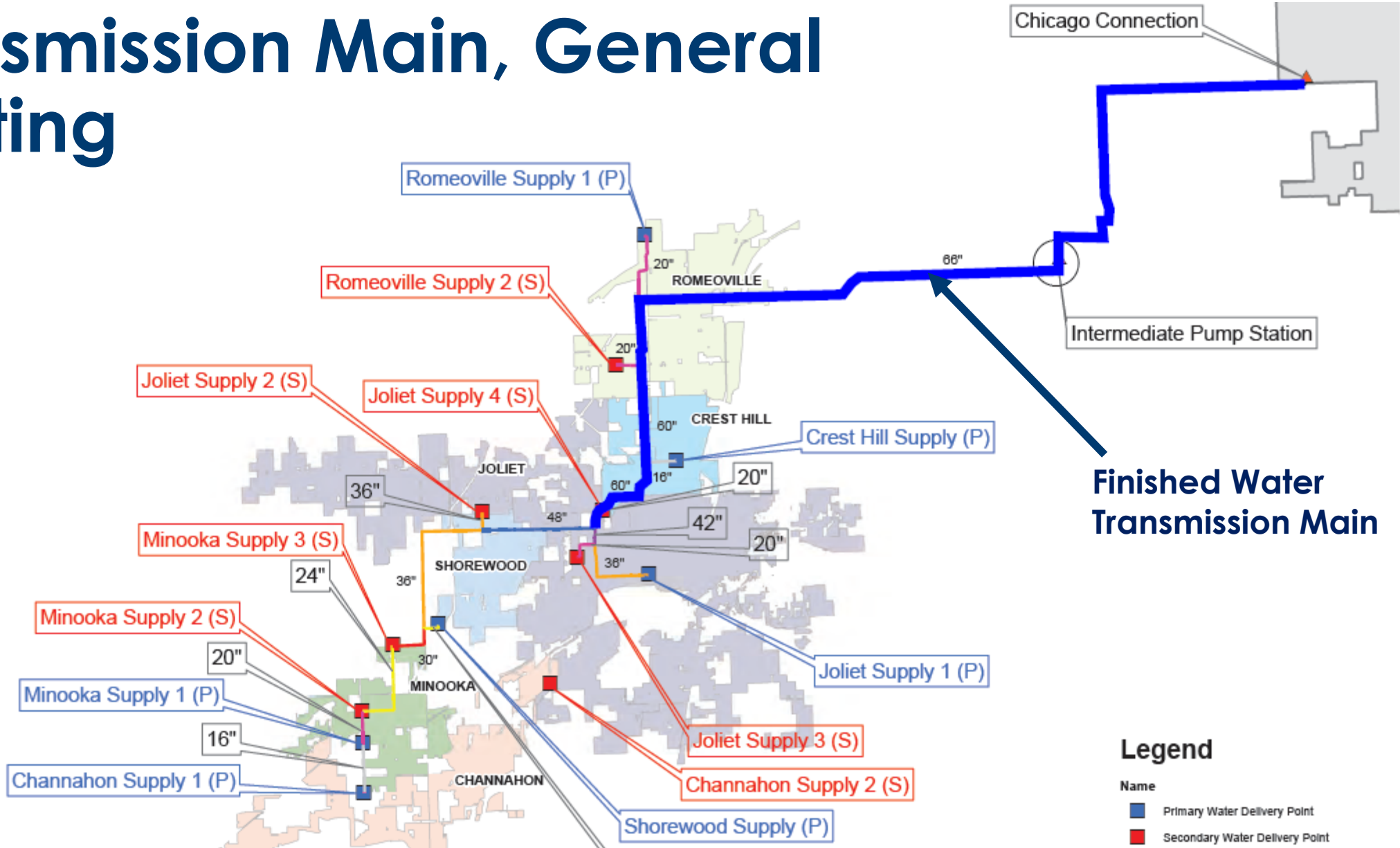


CIP#2 – Finished Water Transmission Main



- Function: Convey water from Chicago Connection Facilities to Commission service area
- 35 miles of 66" and 60" diameter Transmission main
- Total of 6 work packages ranging from 4.5 to 7 miles each

CIP#2 – Finished Water Transmission Main, General Routing



Work Package AWSP-02-01

Finished Water Transmission Main Segment A



- 4.5 miles of 66" diameter Transmission Main, ~5 isolation valves
 - Air/vac valves, blowoffs, fiber conduit
- Location: Chicago/Burbank/Oak Lawn area
 - 0.25 miles in residential street, 4.25 miles in 4 lane arterial road
- ROW Jurisdiction: CDOT, CCDOT
- Trenchless: ~4 sections
 - intersections/road crossings

Work Package AWSP-02-02

Finished Water Transmission Main Segment B



- 5 miles of 66" diameter Transmission Main, ~5 isolation valves
 - Air/Vac valves, blowoffs, fiber conduit
- Location: Hickory Hills/Palos Hills area
 - 3.75 miles in ComEd ROW (parallel to transmission towers)
 - 1.25 miles in MWRD ROW
- ROW Jurisdiction: ComEd, MWRD
- Trenchless: ~9 sections
 - 2 waterways/tollway/railroad

Work Package AWSP-02-03

Finished Water Transmission Main Segment C



- 7 miles of 66" diameter Transmission Main, ~6 isolation valves
 - Air/Vac valves, blowoffs, fiber conduit
- Location: Palos Park, Palos Township
 - Majority 2 lane arterial roadway
- ROW Jurisdiction: CCDOT, IDOT, FPDCC
- Trenchless: ~8 sections
 - streams/intersections/road crossings
- Working adjacent to FPDCC

Work Package AWSP-02-04

Finished Water Transmission Main Segment D



- 7 miles of 66" diameter Transmission Main, ~7 isolation valves
 - Air/Vac valves, blowoffs, fiber conduit
- Location: Homer Glen/Lemont/Romeoville
 - Arterial Roads
- ROW Jurisdiction: IDOT, CCDOT, WCDOT, Local
- Trenchless: ~7 sections
 - Tollway/intersections/road crossings/railroad

Work Package AWSP-02-05

Finished Water Transmission Main Segment E



- 2 miles of 66" & 5.5 miles 60" diameter Transmission Main, ~6 isolation valves
 - Air/Vac valves, blowoffs, fiber conduit
- Location: Romeoville area
 - 2 miles in arterial roads
 - 5.5 miles in ComEd ROW
- ROW Jurisdiction: ComEd, Local, IDOT, WCDOT
- Trenchless: ~ 4 sections
 - road crossings

Work Package AWSP-02-06

Finished Water Transmission Main Segment F



- 4 miles of 60" diameter Transmission Main, ~3 isolation valves
 - Air/Vac valves, blowoffs, fiber conduit
- Location: Crest Hill/Joliet
 - Primarily in 2 lane arterial road
- ROW Jurisdiction: Local (Crest Hill/Joliet)
- Trenchless: ~ 3 sections
 - road crossings/waterway

CIP#7 – Mega Crossings



- Function: Provide for major waterway crossings between Chicago Connection Facilities and Commission service area
- Total of 2 work packages

Element/Work Package	Description
(AWSP-07-01)	Cal-Sag Channel
(AWSP-07-02)	Des Plaines River, Sanitary and Ship Canal, and I&M Canal

Work Package AWSP-07-01

Cal Sag Channel Mega Crossing



- 500 - 600 ft rock tunnel
- 66" diameter transmission main with 2 valve vaults
- Location: Palos Hills/Palos Park
- Temp Construction shafts in MWRD and FPDCC ROW

Work Package AWSP-07-02

Des Plaines Mega Crossing



- 4,500 – 5,000 ft rock tunnel beneath Des Plaines River, Sanitary and Ship Canal, and I&M Canal
- 66" diameter transmission main with 2 valve vaults
- Location: Romeoville/Des Plaines River area
- Temp Construction shafts in Citgo and FPDWC property

CIP#3 – Intermediate Pump Station and Storage Facility



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- Function: Provide hydraulic grade control and booster pumping capacity for transmission main operation during peak demand periods
- Located at mid-point of CIP#2 transmission main

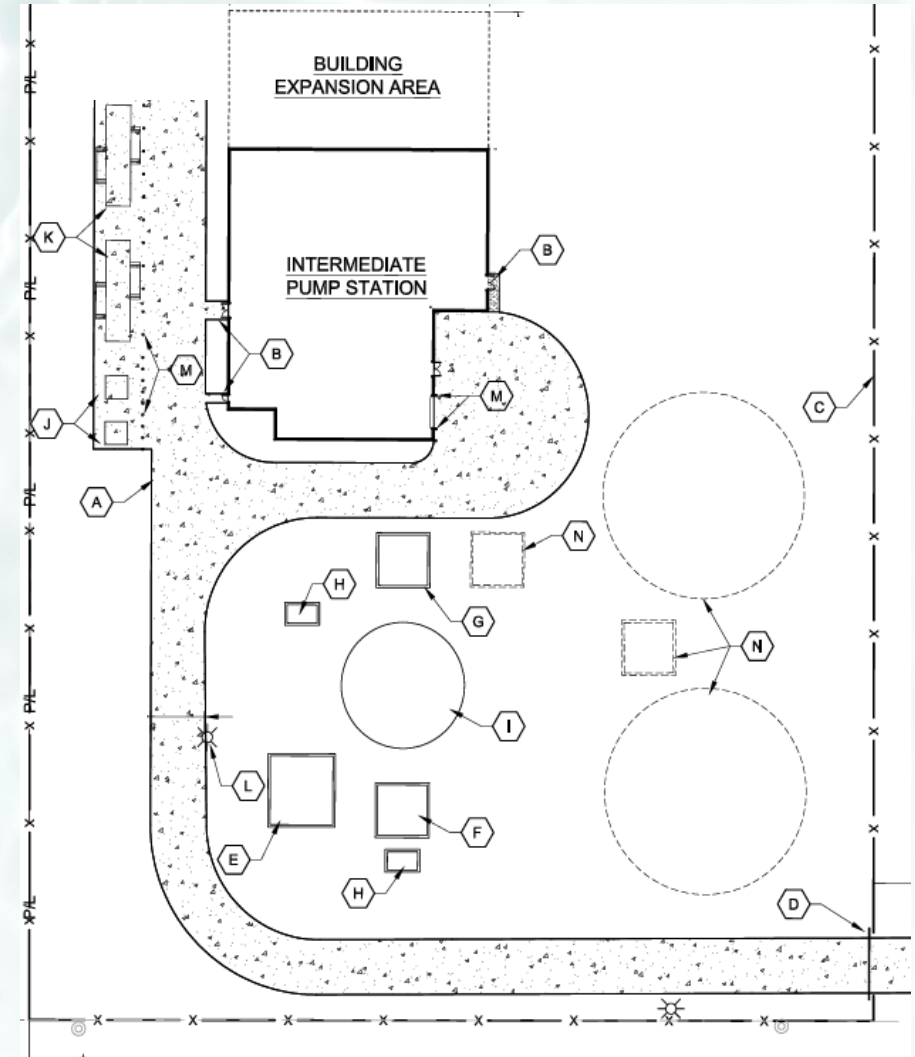
Work Package AWSP-03-01

Intermediate Standpipe 1 and Pump Station



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WATER COMMISSION

- 55 MGD Pump Station
- 1.5 MG Standpipe ~140 tall
- Chemical Feed Systems
- Ancillary systems (standby power, bypass system)
- Location: Lemont Township area



CIP#4 – Intermediate Standpipe 2 and Auxiliary Pump Station



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- Function: Provide hydraulic grade control toward western end of transmission main system
- Located in Joliet area

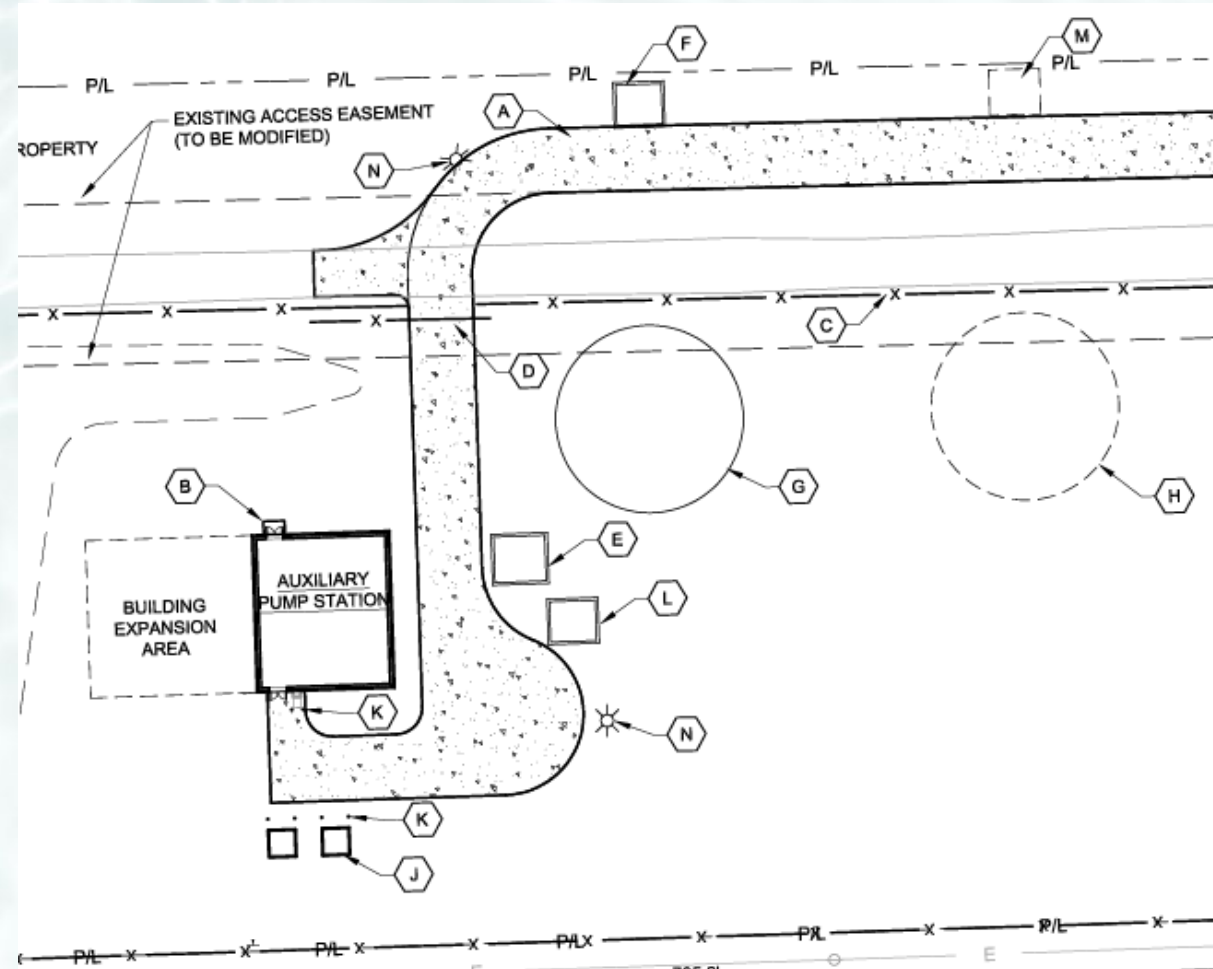
Work Package AWSP-04-01

Intermediate Standpipe 2 and Pump Station



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- 4 MGD Pump Station
- 4 MG Standpipe, 120-140 ft tall
- Ancillary systems (standby power, bypass system)
- Location: W. Joliet/Shorewood area



CIP#5 – System-wide SCADA and Communications



- Function: Provide communication for monitoring and control across all commission infrastructure
- Bidding later in program

Element/Work Package	Description
Fiber and Network Installation (AWSP-05-01)	Installation of fiber optic/cellular communications backbone for GPWC work packages
SCADA Programming Integration (AWSP-05-02)	Programming of control, monitoring, reporting modules
Video Surveillance (AWSP-05-03)	Installation of video surveillance equipment at facilities
Security Systems (AWSP-05-04)	Installation of access control systems at facilities

CIP#6 – Regional Water Transmission Main



- Function: Convey Chicago water from Transmission Main (CIP#2) to member delivery structures
- Total of 5 work packages

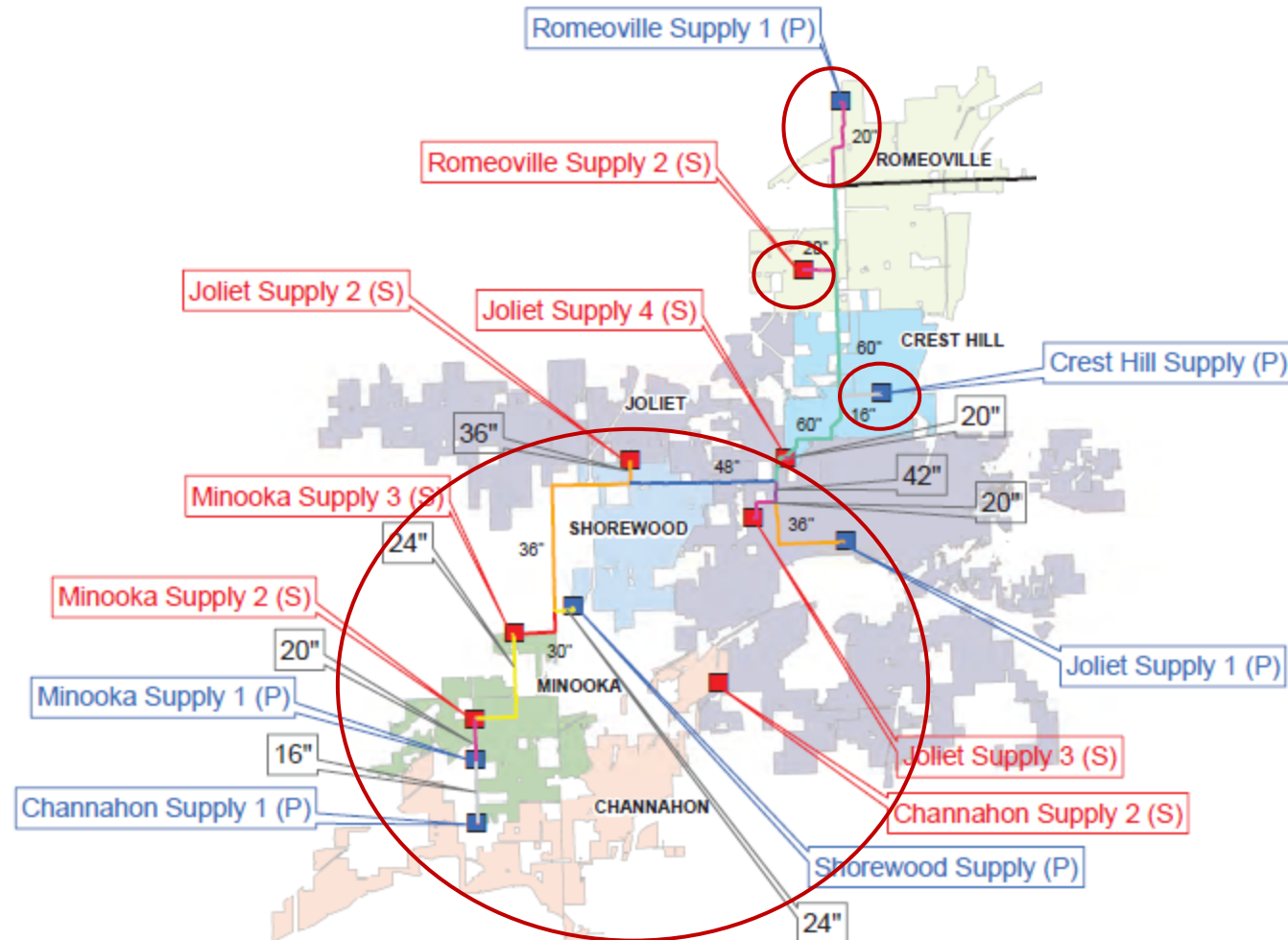
Conveyance Element/Work Package	Description
Regional Segment A (AWSP-06-01)	Member Connections – Romeoville 1, 2; Crest Hill 1
Regional Segment B (AWSP-06-02)	Member Connections – Joliet 1, 3, 4
Regional Segment C (AWSP-06-03)	Joliet, Shorewood Segments
Regional Segment D (AWSP-06-04)	Black Road, County Line Road - Joliet 2, Shorewood 1
Regional Segment E (AWSP-06-05)	Ridge/Minooka/Grainger – Minooka 1, 2, 3; Channahon 1

CIP#6 – Regional Water Transmission Main



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- Approximately 26 miles of regional water transmission main
 - Diameters from 16" to 48"
 - Majority open cut, some trenchless



Work Package AWSP-06-01

Regional Water Transmission Main Segment A



- 4.5 miles of 20"/16" diameter Transmission Main
 - Air/Vac valves, blowoffs
- Location: Romeoville/Crest Hill
 - Residential/Arterial Roads, ComEd
- ROW Jurisdiction: ComEd, Local (Romeoville/Crest Hill)
- Trenchless: ~ 3 sections
 - Road/railroad crossings

Work Package AWSP-06-02

Regional Water Transmission Main Segment B



- 3.5 miles of 36"/20" diameter Transmission Main
 - Air/Vac valves, blowoffs
- Location: Joliet
 - Residential/Arterial Roads
- ROW Jurisdiction: Local (Joliet)
- Trenchless: ~ 4 sections
 - road/culvert crossing

Work Package AWSP-06-03

Regional Water Transmission Main Segment C



- 4.0 miles of 48"/42" diameter Transmission Main
 - Air/Vac valves, blowoffs
- Location: Joliet/Shorewood
 - Arterial roads
- ROW Jurisdiction: Local
- 700 ft rock tunnel under I-55/DuPage river with 48" transmission main

Work Package AWSP-06-04

Regional Water Transmission Main Segment D



- 5.0 miles of 36"/30"/24" diameter Transmission Main
 - Air/Vac valves, blowoffs
- Location: W. Joliet and Shorewood
 - 2 lane arterial roads (rural)
- ROW Jurisdiction: Local (Township/Shorewood)
- Trenchless: ~ 3 section
 - intersection crossing

Work Package AWSP-06-05

Regional Water Transmission Main Segment E

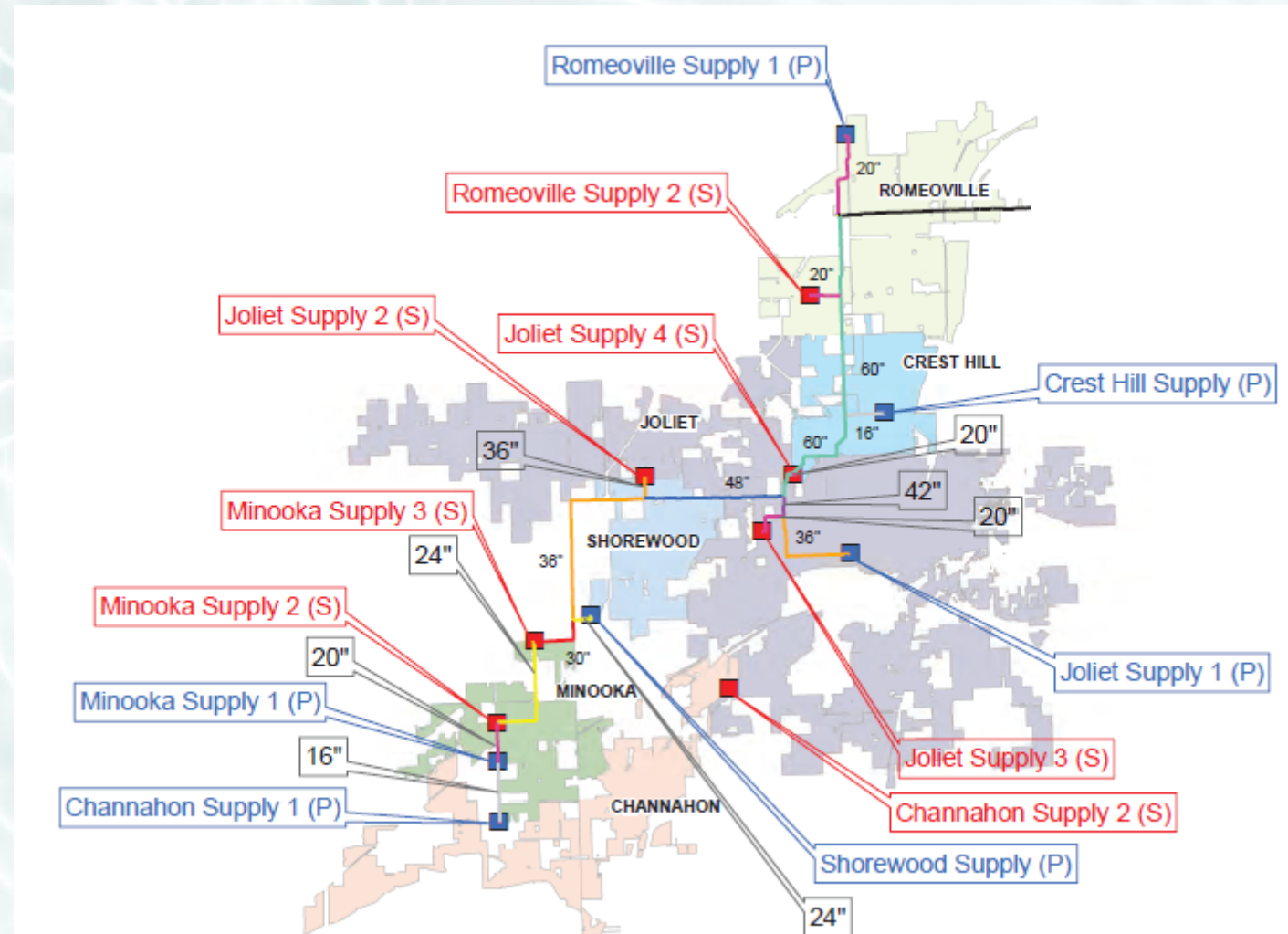


- 9.75 miles of 24"/20"/16" diameter Transmission Main
 - Air/Vac valves, blowoffs
- Location: Minooka & Channahon area
 - 2 lane arterial roads (rural)
- ROW Jurisdiction: Local, Kendall Co., Grundy DOT
- Trenchless: ~ 8 sections
 - Interstate/road/railroad/gas lines

CIP#6 – Regional Water Transmission Main, Delivery Structures



- Function: Control and meter flow into GPWC member distribution systems
- 13 delivery structures
 - 4 work packages
 - Phased construction
- Located throughout GPWC area
- Buried structures ~20' x 25'; house flow control valve and flow meters



Work Package AWSP-06-06

Water Delivery Structures 1



- 4 Structures and yard piping
 - MEP not included
- Location: Joliet, Channahon, Minooka
- Bid Q2 2025

Work Package AWSP-06-07

Water Delivery Structures 2



- 4 Structures and yard piping
 - MEP not included
- Location: Joliet, Romeoville
- Bid Q1 2026

Work Package AWSP-06-08

Water Delivery Structures 3



- 3 Structures and yard piping
 - MEP for this work package and AWSP-06-06 (total 7 structures)
- Location: Joliet, Shorewood, Crest Hill
- Bid Q4 2026

Work Package AWSP-06-09

Water Delivery Structures 4



- 2 Structures and yard piping
 - MEP for this work package and AWSP-06-07 (total 6 structures)
- Location: Channahon, Crest Hill
- Bid Q3 2027

AWSP – PROJECTED BID DATES (1 of 2)

(All dates are preliminary and subject to change)



Work Package ID	Project Name	Description	2024				2025				2026				2027				2028			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AWSP-02-01	Finished Water Transmission Main - Segment A	Approximately 4.5 miles of 66" diameter water transmission main						■														
AWSP-02-02	Finished Water Transmission Main - Segment B	Approximately 5 miles of 66" diameter water transmission main								■												
AWSP-02-03	Finished Water Transmission Main - Segment C	Approximately 7 miles of 66" diameter water transmission main											■									
AWSP-02-04	Finished Water Transmission Main - Segment D	Approximately 7 miles of 66" diameter water transmission main											■									
AWSP-02-05	Finished Water Transmission Main - Segment E	Approximately 2 miles of 66" diameter water transmission main and 5.5 miles of 60" water transmission main						■														
AWSP-02-06	Finished Water Transmission Main - Segment F	Approximately 4 miles of 60" diameter water transmission main						■														
AWSP-03-01	Intermediate Standpipe 1 & Pump Station	1.5 MG Standpipe and 55 MGD Booster Pump Station							■													
AWSP-04-01	Intermediate Standpipe 2 & Aux Pump Station	4 MG Standpipe and 4 MGD Auxiliary Pump Station											■									
AWSP-05-01	Fiber and Network Installation	Fiber installation from Chicago Connection Facilities to Delivery Points															■					
AWSP-05-02	SCADA Programming/Integration	SCADA Programming and Integration for regional system controls																■				
AWSP-05-03	Video Surveillance	Installation of video surveillance systems at major facilities																		■		
AWSP-05-04	Security System	Installation of security systems at major facilities																	■			

AWSP – PROJECTED BID DATES (2 of 2)

(All dates are preliminary and subject to change)



GRAND PRAIRIE
WATER COMMISSION

Work Package ID	Project Name	Description	2024				2025				2026				2027				2028			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AWSP-06-01	Regional Transmission Main Segment A	Approximately 4.5 miles of Regional water transmission main - Romeoville, Crest Hill connections									■											
AWSP-06-02	Regional Transmission Main Segment B	Approximately 3.5 miles of Regional water transmission main – Joliet connections											■									
AWSP-06-03	Regional Transmission Main Segment C	Approximately 4 miles of Regional water transmission main – Joliet /Shorewood segments									■											
AWSP-06-04	Regional Transmission Main Segment D	Approximately 5 miles of Regional water transmission main – Shorewood segment													■							
AWSP-06-05	Regional Transmission Main Segment E	Approximately 9.75 miles of Regional water transmission main – Minooka segment													■							
AWSP-06-06	Water Delivery Structures - Group 1	Four water delivery structures - cast-in-place concrete vault (no MEP)						■														
AWSP-06-07	Water Delivery Structures - Group 2	Four water delivery structures - cast-in-place concrete vault (no MEP)									■											
AWSP-06-08	Water Delivery Structures - Group 3	Three water delivery structures - cast-in-place concrete vault+ MEP for AWSP-06-06												■								
AWSP-06-09	Water Delivery Structures - Group 4	Two secondary water delivery structures - cast-in-place concrete vault+ MEP for AWSP-06-07															■					
AWSP-07-01	Water Transmission Main: Cal-Sag Crossing	66-inch diameter transmission main crossing of Cal-Sag Channel in tunnel						■														
AWSP-07-02	Water Transmission Main: Des Plaines Crossing	66-inch diameter transmission main crossing of Des Plaines River in tunnel											■									



GRAND PRAIRIE
WATER COMMISSION

MEMBER COMMUNITY CAPITAL IMPROVEMENTS

CHANNAHON CAPITAL IMPROVEMENTS: 2023 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - 3.25 miles of water main improvements (12-inch to 16-inch)
- Pumping and Storage Improvements
 - One 1.0 MG Ground Level Storage Tank
 - One Combination Receiving and 7 MGD Pumping Station
 - One Receiving Station
- Other Improvements
 - One New Well House
 - 1.25 Miles Transmission Main
 - Pressure Adjusting Station

CREST HILL CAPITAL IMPROVEMENTS: 2023 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - 2 miles of water main improvements (12-inch)
- Pumping and Storage Improvements
 - Two Metering and Chemical Addition Facilities
 - One – 3.5 MG Water Standpipe
 - One – 4 MGD Water Pump Station
- Other Improvements



JOLIET CAPITAL IMPROVEMENTS: 2023 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - 5 miles of water main improvements (12-inch to 24-inch diameter)
- Pumping and Storage Improvements
 - One – 4.0 MG Ground Level Storage Tank
 - Two – 1.0 MG Elevated Water Tanks
 - Two – 7 MGD Pump Station Upgrades
 - Three – Water Standpipes (3 MG, 2 x 4 MG)
 - Three – Water Pump Stations (4 MGD, 2 x 14 MGD)
- Other Improvements
 - Systemwide SCADA Upgrade

Other Significant Capital Improvements

- Water Main Replacement Program
 - Approximately 20 miles of main per year from 2023 through 2030
- Water and Sewer Administration and Garage Building
- Wastewater Treatment Plant Improvements



MINOOKA CAPITAL IMPROVEMENTS: 2023 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - 1.5 miles of water main improvements (12-inch)
- Pumping and Storage Improvements
 - Two - Metering and Chemical Addition Facilities
 - One – 0.75 MG Ground Level Tank
 - One – 4 MGD Water Pump Station
- Other Improvements



ROMEORVILLE CAPITAL IMPROVEMENTS: 2023 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - 2.5 miles of water main improvements (10-inch to 20-inch)
- Pumping and Storage Improvements
 - Two – 1.5 MG Ground Level Tanks
 - One – 8.6 MGD Water Pump Station
 - One – 8.6 MGD Pump Station Upgrade
- Other Improvements
 - Demolition of Three Existing Water Facilities
 - Demolition of Three Existing Water Storage Tanks

Other Significant Capital Improvements

- 1.5 MG Elevated Tank
- Three New Prepackaged PRV Stations
- Wastewater Treatment Plant upgrade
- Annual Water Main Replacement Program - 2.9 to 5.8 mile replacement



SHOREWOOD CAPITAL IMPROVEMENTS: 2024 - 2030



Local Alternative Water Source Program Improvements

- Conveyance Improvements
 - ~11,000 LF of new 16" PVC watermain (2024-2025)
- Pumping and Storage Improvements
 - 6 MGD Pumping Station (2024-2025)
 - ~5 MG below ground reservoir (2024-2025)
- Watermain Replacement Program (~\$1.5 million / year)
 - Almost five (5) miles of PVC watermain replacements between 2024 through 2030 varying 8" to 12" diameter

Other Significant Capital Improvements

- Earl Road-Geneva Reconstruction Project (~\$4.5 million)
- Sanitary Sewer I&I Program (~\$0.5 million / yr)
- Seil Road and Bridge Replacement Reconstruction Project (~\$12 million)
- Route 52 / Wynstone Traffic Signal Project (~\$0.5 million)
- NEW ~\$6 million Rivers Edge Park Project (~\$1.2 million / yr)
- Park Replacement Program (~\$0.5 million / yr)

CHANNAHON | CREST HILL | JOLIET | MINOOKA | ROMEOVILLE | SHOREWOOD



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BREAK



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WATER COMMISSION

CONTRACTING PROVISIONS

Contracting Structures



Grand Prairie Water Commission Contracts

- Regional water transmission system projects
- Contracts bid out and held by the GPWC
- Project Labor Agreements (PLA)
- CIP #1 through CIP #7
 - Pump Stations
 - Water Storage Facilities
 - Water Transmission Main
 - Water Delivery Structures
 - Regional SCADA

Member Community Contracts (6 separate entities)

- Local water system improvement projects
- Contracts bid out and held by individual communities
- Individual community procurement rules
 - Well house
 - Pump Stations
 - Water Storage Facilities
 - Water Distribution Main
 - Metering/Chemical Feed Facilities
 - Local SCADA improvements



GRAND PRAIRIE
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Project Labor Agreements

Commission Enabling Legislation
(Public Act 102-0684)

- Requires the Commission to enter into Project Labor Agreements with the applicable local building trades council



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Project Funding Strategies

Funding Mechanism	GPWC	Member Communities
WIFIA Loans	YES	No
SRF Loans	YES	YES
Revenue Bonds	YES	YES
Grants	YES	YES

Funding Considerations



WIFIA Loans

- USEPA Administered
- Program-level Support
- Low-interest rate
- Flexible repayment terms
- Well-suited to very large projects/programs

SRF Loans

- IEPA Administered
- Project-level Support
- Very low interest rate
- 20-30* year repayment term
- Annual competition for funding
- Potential for bypass funding

* Rules for 30-year term under development

Select Contracting Provisions (1/3)



	GPWC *	WIFIA	SRF
Project Labor Agreements	X		
Certifications or Restrictions			
Debarment or Suspensions		X	X
Federal Lobbying Restrictions		X	
Non-Collusion			X
Bid Rigging & Rotating			X
Non-Segregated Facilities		X	X
Prohibition on Certain Telecom		X	
Public Notification/Signage			X

* GPWC procurement policies are still under development pending Commission formation

Select Contracting Provisions (2/3)



	GPWC *	WIFIA	SRF
Equal Employment Opportunity		X	X
DBE Engagement (Six Good Faith Efforts)		X	X
Advance notice prior to bid opening		Posting solicitations 30 days prior to bid opening	Advertisement 16 days prior to bid opening
MBE/WBE Participation		19.6% MBE 6.9% WBE	5% MBE 12% WBE
Local Preference	TBD		
Illinois Works Jobs Program Act Apprenticeship Initiative			10%

* GPWC procurement policies are still under development pending Commission formation

Select Contracting Provisions (2/3)



	GPWC *	WIFIA	SRF
Equal Employment Opportunity		X	X
DBE Engagement (Six Good Faith Efforts)		X	X
Advance notice prior to bid opening		Posting solicitations 30 days prior to bid opening	Advertisement 16 days prior to bid opening
MBE/WBE Participation		19.6% MBE 6.9% WBE	5% MBE 12% WBE
Local Preference	TBD		
Illinois Works Jobs Program Act Apprenticeship Initiative			10%

* GPWC procurement policies are still under development pending Commission formation

Select Contracting Provisions (3/3)



	GPWC *	WIFIA	SRF
Davis-Bacon Requirements (Prevailing Wage, Payroll Submittals)		X	X
American Iron and Steel		X	X
Build America, Buy America (BABA)		X **	X

* GPWC procurement policies are still under development pending Commission formation

** GPWC projects may be eligible for a BABA waiver pending loan application, negotiation

Six Good Faith Efforts



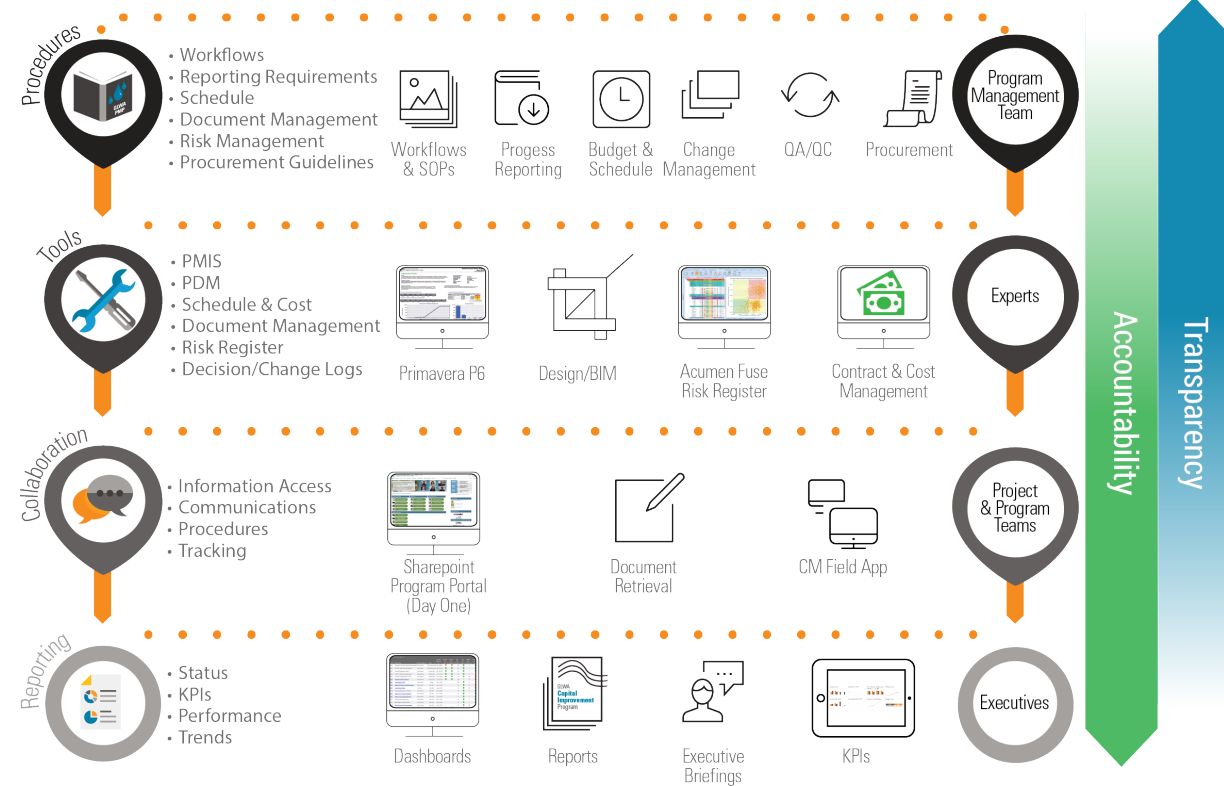
1. Ensure DBEs are made aware of contracting opportunities
2. Make information on opportunities available to DBEs and encourage DBE participation in the competitive process
3. Consider whether firms competing for large contracts could subcontract with DBEs
4. Encourage contracting with a consortium of DBEs
5. Use the services of the Small Business Administration (SBA) and the Minority Business Development Agency (MBDA)
6. Require Prime Contractors to follow steps 1. through 5.

Contract Management/ Reporting



Standardized Program Controls

- Document Controls/
Communication Processes
- Schedule Status/Updates
- Change Management
- DBE and Local Utilization
- Progress Reporting
- WIFIA/SRF Reporting
 - Davis-Bacon
 - American Iron and Steel





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Contractor Outreach Event on November 30th, 2022

[Click Here for Details](#)

For more information download the Event Fact Sheet [here](#).

“Like roots finding water, we always wind up moving towards what sustains us.”

– Mark Nepo

Six communities in the southwest suburbs of Chicago have agreed to form the Grand Prairie Water Commission to provide a sustainable and reliable water supply to meet water needs and support continued growth and development in the region. They are :

- Village of Channahon
- City of Crest Hill
- City of Joliet
- Village of Minooka
- Village of Romeoville
- Village of Shorewood



For the past several years communities in the southwestern suburban region have been evaluating alternative water

Stay Informed



Grand Prairie Water Commission Website

- www.gpwc-il.org

The Grand Prairie Water Commission website will be the primary location for updates regarding the status of the program, anticipated timing for bidding of future projects, and future outreach events.



GRAND PRAIRIE
WATER COMMISSION

QUESTIONS AND ANSWERS



CHANNAHON | CREST HILL | JOLIET | MINOOKA | ROMEOVILLE | SHOREWOOD



GRAND PRAIRIE
WATER COMMISSION

2023 CONTRACTOR OUTREACH EVENT
November 16, 2023