Public Works Council Meeting

Crysta Guzman &
Madisson Dunn

February 19, 2026

AGENDA

Welcome and Introductions

Action Item

01 Previous Meeting Summary

Discussion & Information Items

02 Council Bylaws

03 PWC Work Program Updates

04 Other Program Updates

Other Business & Roundtable Discussion

05 Future Agenda Items

06 Roundtable Topics/Other Business

07 Next Meeting

08 Adjournment

Welcome and Introductions

- The meeting agenda, presentation and handouts are located on the Public Works Council webpage.

Action Item

1. Meeting Summary

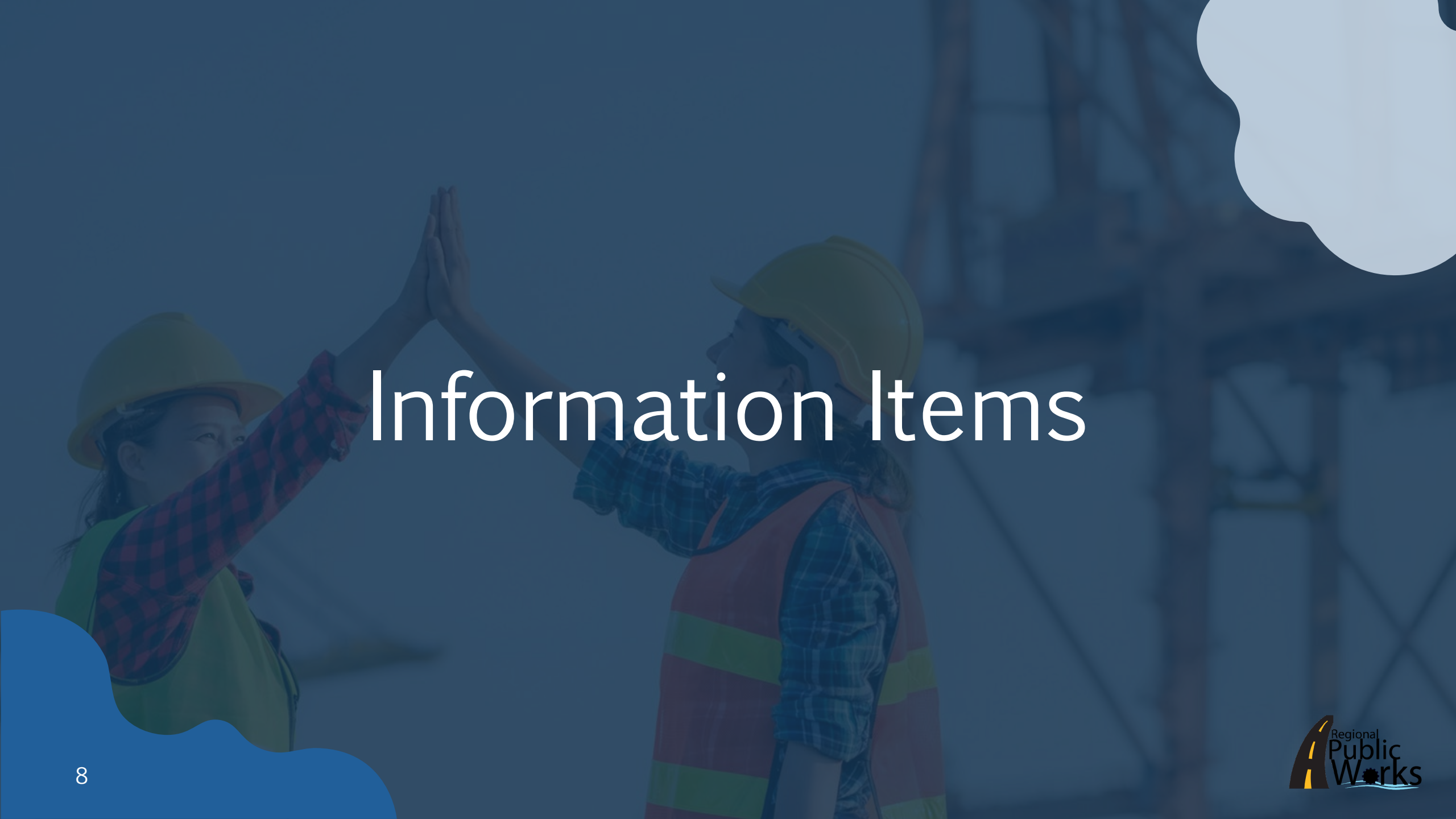
- Public Works Council will vote to approve the November meeting summary.
- November 20, 2025, meeting summary is available for review online.

Discussion Item

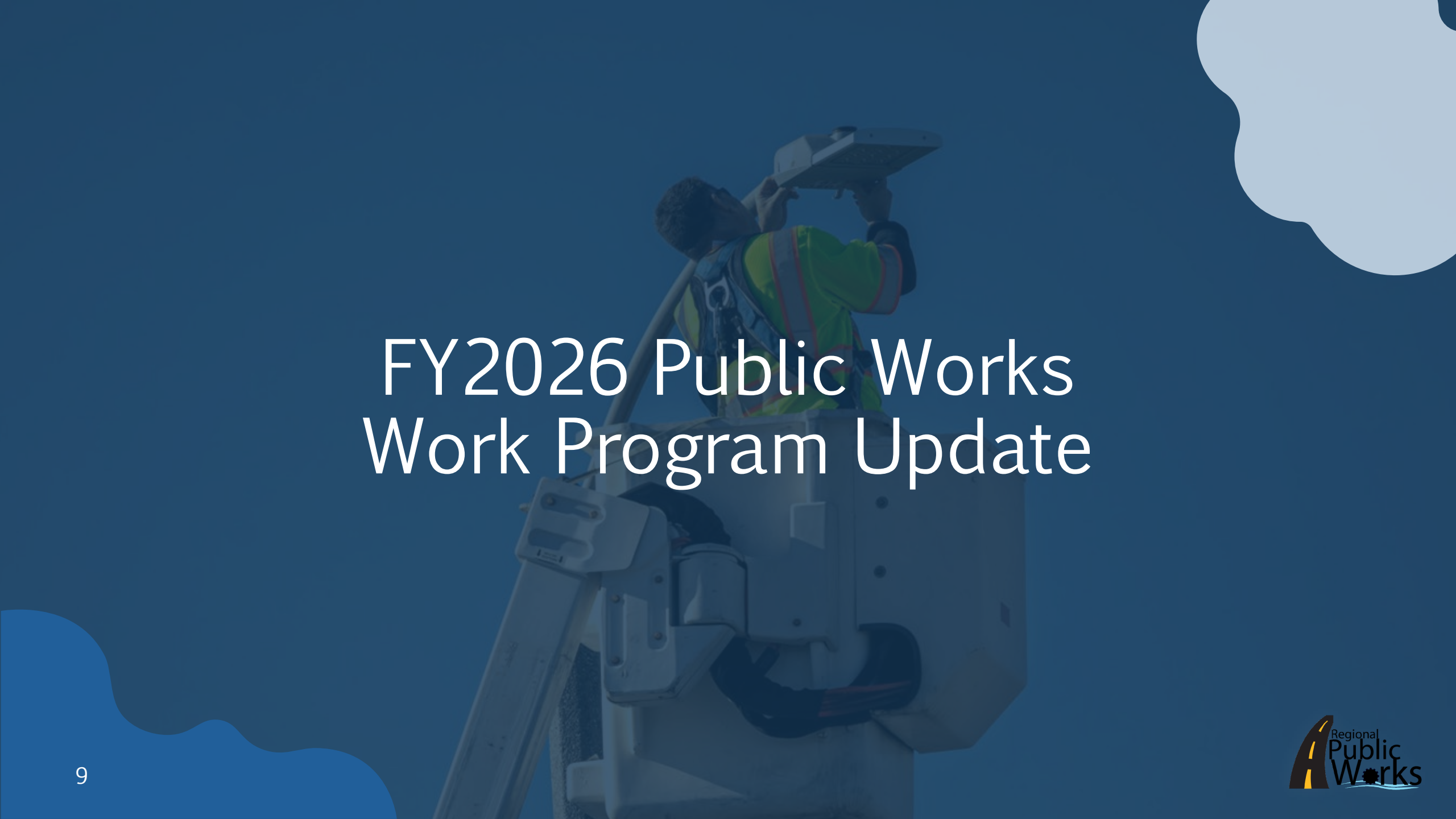
2. Council Bylaws Review

- Current Council Bylaws
- Bylaws must be reviewed every 5 years, starting in FY2020
- Seeking volunteers to serve on bylaws subcommittee
  - 3-5 volunteers, open to Council members
- Expected time commitment of two, 1-hour meetings- dependent on progress and needs

Please email Madisson Dunn at mdunn@nctcog.org by **February 27, 2026**, if interested in volunteering.



Information Items



FY2026 Public Works Work Program Update

3. FY26 Public Works Program Update

- Overall Program Budget Goal: $360,000
  - Currently at 49% of budget goal
  - Invoices distributed in mid-January
  - Please let us know if your entity did not receive an invoice.
- FY27 cost share estimates to be distributed in late February/early March

3. FY26 Public Works Program Update

- **Current Cost Share Participants:**

Addison
Allen
Azle
Benbrook
Carrollton
Cleburne
Coppell
Decatur
Duncanville
Fate
Fort Worth
Grand Prairie
Haltom City
Highland Park
Hutchins
Irving
Joshua
Keller
Kennedale
Lakeside
Mansfield
North Richland Hills
Pantego
Plano
Rockwall
Southlake
University Park
Venus
White Settlement
Denton County
Tarrant County

3. FY26 Public Works Program Update

Marketing

- Public Works videos posted to YouTube and LinkedIn
  - Public Works Council Video
  - Public Works Careers Promotion Video
- Public Works Training Calendar
  - Feel free to reach out if there are any events that could be included.

3. FY26 Public Works Program Update

Trainings

- Some ideas shared at the last meeting include:
  - New Inspectors Training
  - Stormwater Inspector Training
  - Concrete and Asphalt Training
  - Temporary Traffic Control Training
- Narrow down the list to 1-2 topics.
- With the training topic in mind:
  - What days/times work best for the group?
  - What format works best?
  - Who is willing to provide the expertise?

3. FY26 Public Works Program Update

27th Annual Public Works Roundup

- August 20, 2026, at Hurst Conference Center
- What topics or presentations would you like to see?
  - **Form**: https://forms.office.com/r/uEcL9vU95U
  - **Responses Due**: March 31, 2026
- Next step: Gather abstracts from presenters

Please contact Madisson Dunn at mdunn@nctcog.org or 817-704-5611 for more information.

Sustainable Public Right of Way (SPROW) Subcommittee

- PWC electronically approved the appointment for the SPROW Subcommittee:
  - Alan Brown, City of Duncanville
- **Next Meeting:** March 25, 2026, at 10 a.m. at Metroplex Conference Room

Sustainable Public Rights of Way Subcommittee Information

PW Construction Standards Subcommittee

- PWC electronically approved the appointments for the Public Works Construction Standards Subcommittee:
  - Mat Busby, LJA Engineering
  - Brady Reeves, City of Grand Prairie
  - Alan Brown, City of Duncanville
- **Next Meeting**: March 11, 2026, at 10 a.m. at Metroplex Conference Room
- Subcommittee will review the submissions received for the Public Works Construction Standards.
- Submissions will be distributed to the subcommittee ahead of the meeting.

Submission Form

Integrated Stormwater Management (iSWM) Subcommittee

Last Meeting: January 14, 2026

- Guest speakers: Fouad Jaber & Yufan Zhang (Texas A&M AgriLife) presented green stormwater infrastructure (GSI) components of the TSI Study, including modeling work and long-term GSI maintenance findings.
- Discussed FY26 roster and upcoming amendments following PWC subcommittee voting.
- Reviewed website survey results (2 responses); feedback emphasized improving accessibility (mobile-friendly, smaller files) and making the website more user friendly and searchable.

Integrated Stormwater Management (iSWM) Subcommittee

- FY26 Work Program Updates
  - Inlet protection case study research progressing.
  - Stormwater quality monitoring program development underway.
  - Website modernization and content reorganization in development.

- PWC electronically approved the appointments for the iSWM Subcommittee:
  - Scarlett Dinh, City of Arlington
  - Michael Smith, City of Corinth
  - Alan Brown, City of Duncanville

- **Next Meeting:** April 14, 2026, at 1:30 PM (In-person)

 Please contact Katie Hunter at khunter@nctcog.org or 817-695-9102 for more information.

Other Program Updates

Public Works Emergency Response Team (PWERT)

- Updates from February 12 PWERT meeting provided by Justin Stoker

Please contact Justin Stoker at justin.stoker@waxahachie.com for more information.

Integrating Transportation and Stormwater Infrastructure (TSI)

- Past Meetings:
  - December 5: Technical Advisory Group Meeting
  - January 15: Flood Early Warning System Pre-Workshop Meeting
  - January 29: Model Development Code/Floodplain Ordinances Workshop
  - February 17: Flood Early Warning System Workshop

Please contact Katie Hunter at khunter@nctcog.org for more information.

Integrating Transportation and Stormwater Infrastructure (TSI)

- Upcoming Subarea Project Update Meetings:
  - May 4, 2026, from 10am-12pm
    - Pecan Grove Convention Center at 405 N Las Vegas Trail, White Settlement, TX 76108
  - May 5, 2026, from 10am-12pm
    - Decatur Conference Center at 2010 W. HWY US 380, Decatur, TX 76234
  - May 7, 2026, from 10am-12pm
    - Denton County Southwest Courthouse at 6200 Canyon Falls Drive, Flower Mound, TX 76226
  - May 12, 2026, from 10am-12pm
    - Burleson City Hall at 141 W. Renfro Street, Burleson, TX 76028

- Meeting resources available at www.nctcog.org/tsi

Please contact Katie Hunter at khunter@nctcog.org for more information.

Community Rating System Users Group

- NCTCOG is in the early stages of identifying next steps for developing a multi-jurisdictional Program for Public Information with interested communities

- Flood Management Task Force identified interest in increasing meeting frequency

NATIONAL FLOOD INSURANCE PROGRAM
Community Rating System

Please contact Erin Blackman at eblackman@nctcog.org for more information.

Texas Chapter of American Public Works Association (TX-APWA)

- Past Event:
  - Public Workshop & Equipment Roadeo
    - February 1-4, 2026, in Fort Worth
    - Included technical sessions, exhibitors, and equipment competitions
    - **Save the Date**: 2027 Public Workshop & Equipment Roadeo – February 7-10, 2027, in College Station
- Upcoming Event:
  - NCT-APWA 11th Annual Sporting Clay Tournament
    - April 16, 2026, in Fort Worth
    - Registration Link

Annual Holiday Grease Roundup

- Completed event on January 31, 2026
- 49 participants, gallons of grease collected TBD
  - Post-event survey ongoing
- Save the Date: 2026 Event scheduled for November 1, 2026 – January 31, 2027
- WATER's next meeting: April 16, 2026 at 10:00 AM in Mansfield

Please contact Hannah Ordonez at hordonez@nctcog.org or 817-695-9215 for more information.

Potential Updates to TxCDBG Regional Allocation Formula

- **Background**: The Texas Community Development Block Grant (TxCDBG) program helps non-entitlement communities in our region meet infrastructure needs in low- to moderate-income areas. Administered statewide by the Texas Department of Agriculture (TDA), NCTCOG supports TDA with the administration of the Community Develop Fund, which provides grant funding to cities and counties for water, sewer, housing, and other improvements.
- TDA is currently reviewing the allocation formula
- More information to be presented at the May PWC meeting

DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

Funded through the Environmental Protection Agency's Climate Pollution Reduction Grants

Draft documents for the Dallas-Fort Worth Air Quality Improvement Plan - Comprehensive Action Plan are now available to view at www.publicinput.com/dfwAQIP.

A survey to submit public comments will be open **February 16 through March 15, 2026.**

Questions? Reach out to dfwaqip@publicinput.com

Other Business and Roundtable Discussion

Future Agenda Topics

- PWC Council Members and NCTCOG may suggest future agenda items

Environment & Development Committees Information
Available at nctcog.org/envir/committees

Upcoming Events, Conferences, and Opportunities

7th Infraday Texas

March 3-4, 2026

Brazos Hall, Austin, TX

Texas Municipal League Midyear Conference

March 5-6, 2026

Houston Marriott Sugar Land Hotel

Texas Municipal League

Upcoming Events, Conferences, and Opportunities

Water Utilities Safety

March 17-19, 2026

NCTCOG Offices, Arlington, TX

Training & Development Institute of NCTCOG

Texas Water 2026

April 27-30, 2026

Henry B. González Convention Center, San Antonio TX

Texas Section American Water Works Association

Upcoming Events, Conferences, and Opportunities

2026 Concrete Conference

May 13-14, 2026

Commons Conference Center, Austin, TX

Cement Council of Texas and TxDOT

Environmental Trade Fair and Conference

May 19-20, 2026

Henry B. González Convention Center, San Antonio TX

Texas Commission on Environmental Quality

Upcoming Events, Conferences, and Opportunities

DFW Materials and Asphalt Pavement Solutions Conference

May 27-28, 2026

Hurst Conference Center

Texas Asphalt Pavement Association

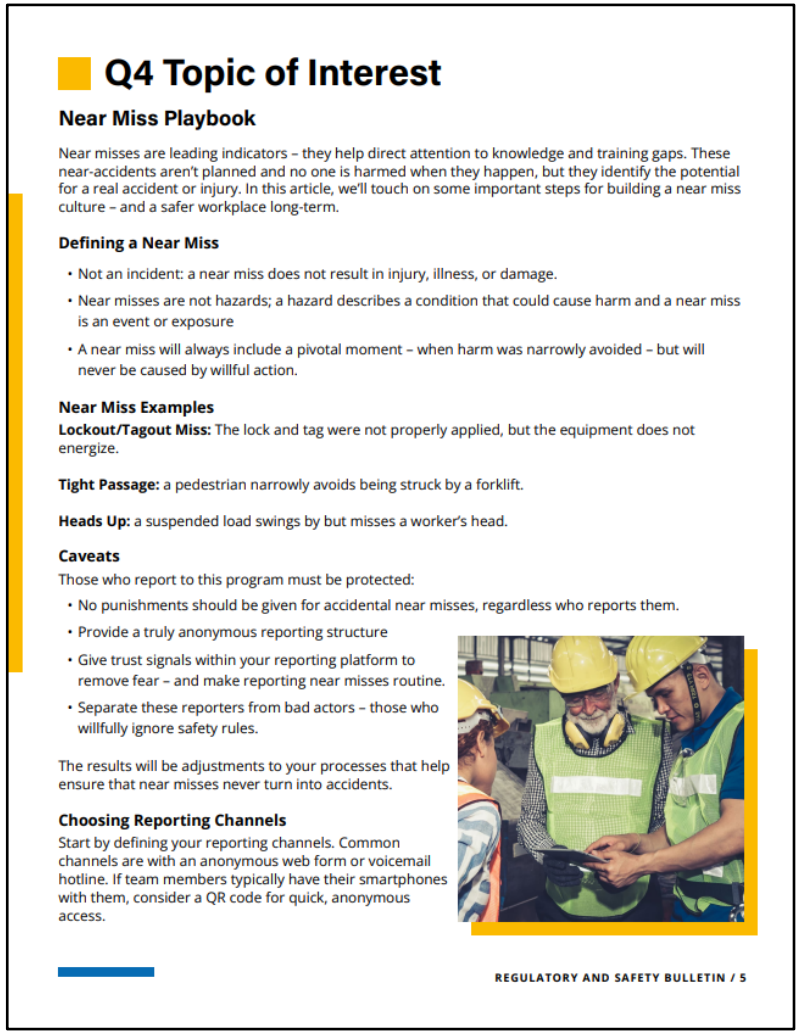
U.S. Infrastructure Development Conference

June 3 - 4, 2026

Downtown Sheraton, Dallas TX

Additional Resources

- Near Miss Playbook
  - Resource provided by OSHA Education Center for using near miss incidents to build a safer workplace and improve culture.
- Career Zone – Career Guides
  - Resource provided by APWA, providing job descriptions, interview questions (and ideal answers), and career path information for various public works positions.



Q4 Topic of Interest

Near Miss Playbook

Near misses are leading indicators – they help direct attention to knowledge and training gaps. These near-accidents aren't planned and no one is harmed when they happen, but they identify the potential for a real accident or injury. In this article, we'll touch on some important steps for building a near miss culture – and a safer workplace long-term.

Defining a Near Miss

- Not an incident: a near miss does not result in injury, illness, or damage.
- Near misses are not hazards; a hazard describes a condition that could cause harm and a near miss is an event or exposure
- A near miss will always include a pivotal moment – when harm was narrowly avoided – but will never be caused by willful action.

Near Miss Examples

Lockout/Tagout Miss: The lock and tag were not properly applied, but the equipment does not energize.

Tight Passage: a pedestrian narrowly avoids being struck by a forklift.

Heads Up: a suspended load swings by but misses a worker's head.

Caveats

Those who report to this program must be protected:

- No punishments should be given for accidental near misses, regardless who reports them.
- Provide a truly anonymous reporting structure
- Give trust signals within your reporting platform to remove fear – and make reporting near misses routine.
- Separate these reporters from bad actors – those who willfully ignore safety rules.

The results will be adjustments to your processes that help ensure that near misses never turn into accidents.

Choosing Reporting Channels

Start by defining your reporting channels. Common channels are with an anonymous web form or voicemail hotline. If team members typically have their smartphones with them, consider a QR code for quick, anonymous access.

REGULATORY AND SAFETY BULLETIN / 5

Roundtable Discussion

Benbrook's Street Maintenance Program

Public Works Council Meeting

February 19, 2026

Bennett Howell, PE, CFM

Benbrook's Facts

- Approximately 12 square miles
- Approximately 90% built out
- 102 Total Miles of Streets – 60% asphalt, 40% concrete
- Maintenance and Capital Projects are all cash funded:
  - Routine Street Maintenance – pothole repairs and other normal maintenance activities performed by Public Works staff.
  - Mill & Overlay – Either Tarrant County forces and/or private contractors.
  - Reclaim – Either Tarrant County forces and/or private contractors.
  - Concrete Repairs – Curb and gutter, street panels, and sidewalk, usually private contractors.

Street Maintenance Program Evolution

- In 2014, it was determined the time to mill and overlay all streets at that time was 100 years.
- Developed a comprehensive plan – determine funding amount to mill and overlay all asphalt streets within 10 years – $2.5 million at 2025 dollars or which is approximately 10% of the total City budget.
- Over the last few years, the street maintenance budget has been at least $2.5 million. In 2025, it was $4 million.
- We schedule the work by subdivision instead of chasing PCI scores. We also try to follow utility projects.
- Since 2014, average PCI score has increased from 60 to 85. We expect to complete remaining asphalt streets in about 4 years, at current funding levels.

How We Fund Our Program

- General Fund (water and sanitary sewer services are provided by Benbrook Water Authority).
- Use Tarrant County forces using an Interlocal Agreement to pave some of the streets (2025~ $420,000).
- For private contractors, we use Interlocal Agreements with Dallas County and Ellis County for milling, overlay, reclaim, and striping (2026~$2.6 million).
- Our miscellaneous concrete program~$500,000 per year.

Future Issues

- As budgets are decreased, program will have to be revised to reflect budget reductions. Utilizing an AI-driven PCI program may become more beneficial. Under current budgets, I can pave a couple more streets for what some of the AI firms charge to develop PCIs for streets.
- City Councils will change over time and priorities will change. Infrastructure is a current priority.
- In the future, we may be forced to use bond programs to fund major street replacements and repairs.

Contact Information

Bennett Howell, PE, CFM

City of Benbrook

Director of Public Services

(817) 249-6063

bhowell@benbrook-tx.gov

EST Booster Injection System for Chloramines

DFW, Lewisville, Denton

Nitrification, Water Age, low flow

Steps

- Planning
  - Engineering (In-House)
  - TCEQ
  - Equipment 2 pumps, tanks, analyzer, Flow meters, piping ~$30k + $20k for analyzer
- Implementation
  - Prime, Wunderlic malic, robust ~$30k
  - Staff
    - Installation in-house
- Procedures

5500.AMC.1.KTO

5500sc Ammonia Monochloramine Analyzer, 1 Channel

Procedures glenn.barker@corinthtx.gov

3. Ammonia and Chlorine Feed Protocol

3.1. Ammonia Feed Logic

Table 3.1.1 provides the logic used for booster chlorination through ammonia and chlorine addition and includes an example to illustrate the feed logic.

Table 3.1.1: Ammonia and Chlorine Addition Logic

Step	Description	Method	Example Calculation
		Logic for Checking	
		1. Ammonia Addition	
		2. Chlorine and Ammonia Dose	
1	Monitor total chlorine and ammonia-N upstream of chlorine addition point	Online instrument for Cl2 residual (Free and total) and Grab sample for NH3	Total chlorine = 1.4 mg/L Total ammonia-N = 0.5 mg/L
2	Select desired total chlorine residual	Set desired chlorine residual	4.0 mg/L
3	Determine total chlorine dose required to achieve desired chlorine residual	Deduct monitored chlorine residual from desired chlorine residual	4.0 - 1.4 = 2.6 mg/L
4	Calculated combined ammonia for monitored chlorine residual	Divide total monitored chlorine value (Step 1) by 5	1.4/5 = 0.28 mg/L
5	Calculate available free ammonia	Deduct combined ammonia value (Step 4) from total ammonia value (Step 1)	0.5 - 0.28 = 0.22 mg/L
6	Calculate maximum possible chlorine dose without ammonia addition	Multiply available free ammonia (Step 5) by 5	0.22 x 5 = 1.1 mg/L
7	Is total chlorine dose required greater than maximum possible chlorine dose without ammonia addition? If yes, calculate required ammonia dose	a) Check if total chlorine dose required (Step 3) is greater than maximum chlorine dose (step 6) b) Divide total chlorine dose required (Step 3) by 5 c) Deduct free available ammonia (Step 5)	a) Yes (2.6 > 1.1) b) 2.6 / 5 = 0.52 mg/L c) 0.52 – 0.22 = 0.3 mg/L
		Verification of Chlorine and Free Ammonia Residual After Chlorine and Ammonia Addition	
8	Monitor total chlorine and ammonia downstream of chlorine injection point	Online instrument or grab samples	Total chlorine = 4.0 mg/L Total ammonia = 0.81 mg/L
9	Calculate combine ammonia	Divide total chlorine value (Step 8) by 5	4.0 / 5 = 0.80 mg/L
10	Calculate available free ammonia-N (this value should be close to 0.0 mg/L)	Deduct combined ammonia value (Step 9) from measured total ammonia value (Step 8)	0.81 – 0.80 = 0.01 mg/L Thus acceptable

1.3. Purpose

The purpose of this memorandum is to provide the recommended operational protocol for the booster chloramine system. The key objectives for booster chloramine include:

1. Maintaining chlorine to ammonia (as nitrogen) weight ratio of 5 to 1.
2. Limiting the excess free ammonia residual as low as possible, with a goal of zero (0) mg/L.
3. Achieving a target total chlorine residual of 3-4 mg/L leaving the booster chlorination facilities. Supplemental ammonia may be necessary to accomplish this objective depending on the severity of nitrification.

2. Chlorine Feed Protocol

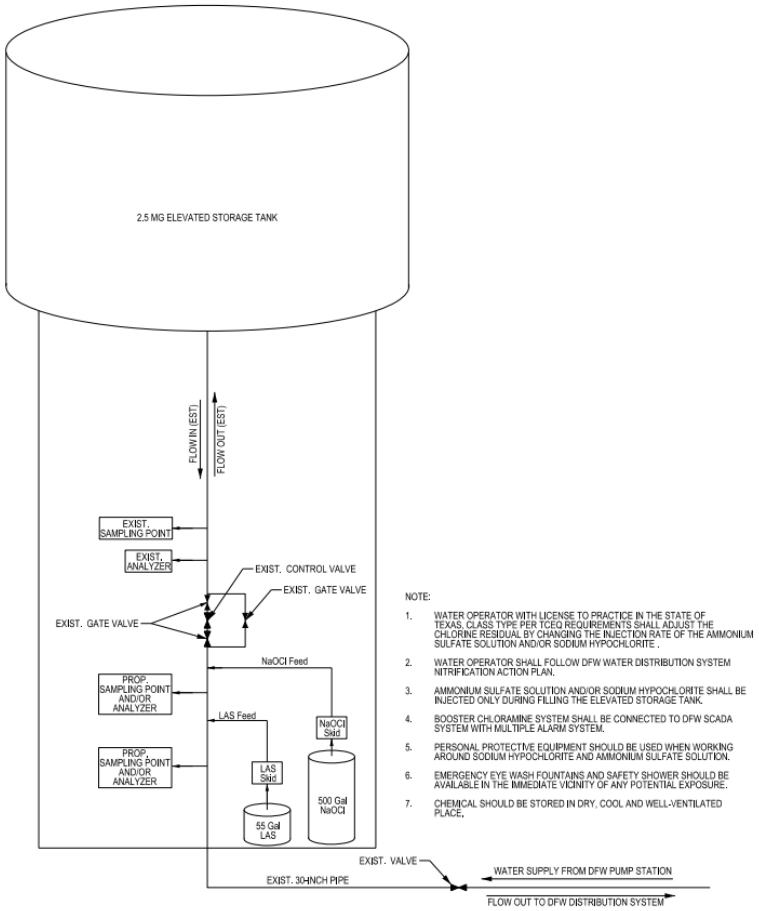
2.1. Chlorine Feed Logic

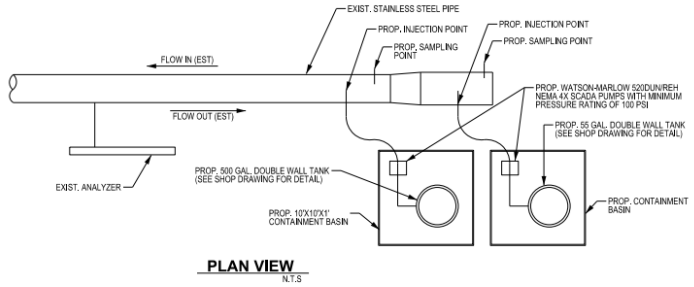
Table 2.1.1 provides the logic used for booster chlorination through trim chlorine addition and includes an example to illustrate the chlorine feed logic.

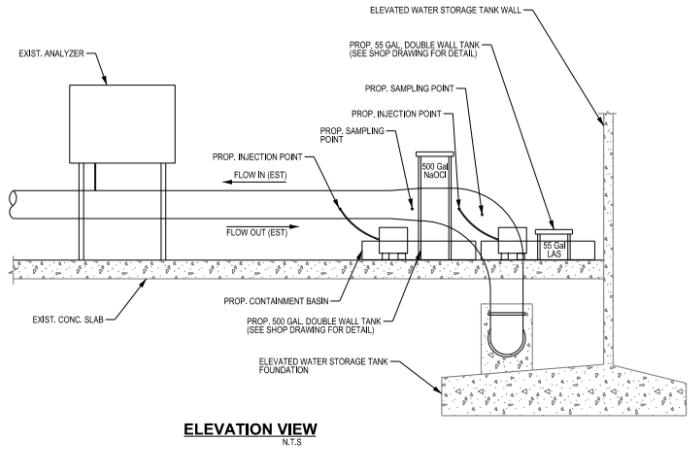
Table 2.1.1: Chlorine Feed Logic

Step	Description	Method	Example Calculation
		The logic for Trim Chlorine Dose Addition	
1	Monitor total chlorine and ammonia-N upstream of chlorine addition point	Online instrument or grab sample	Total chlorine = 1.8 mg/L Total ammonia-N = 0.6 mg/L
2	Calculate combined ammonia	Divide measured total chlorine value (Step 1) by 5	1.8/5 =0 .36 mg/L
3	Calculate available free ammonia	Deduct combined ammonia value (Step 2) from measured total ammonia value (Step 1)	0.6-0.36 = 0.24 mg/L
4	Calculate trim chlorine dose required to achieve 5:1 chlorine to ammonia-N ratio	Multiply available free ammonia (Step 3) by 5	0.24 x 5 = 1.20 mg/L
		Verification of Chlorine Residual After Trim Chlorine Addition	
5	Monitor total chlorine and ammonia downstream of chlorine injection point	Online instrument or grab samples	Total chlorine = 2.9 mg/L Total ammonia-N= 0.59 mg/L
6	Calculate combine ammonia	Divide measured total chlorine value (Step 5) by 5	2.9 / 5 = 0.58 mg/L
7	Calculate available free ammonia-N (this value should	Deduct combined ammonia value (Step 6) from measured total ammonia value	0.59 – 0.58 = 0.01 mg/L; thus acceptable

TCEQ Documentation







NOTE:
1. WATER OPERATOR WITH LICENSE TO PRACTICE IN THE STATE OF TEXAS, CLASS TYPE PER TCEQ REQUIREMENTS SHALL ADJUST THE CHLORINE RESIDUAL BY CHANGING THE INJECTION RATE OF THE AMMONIUM SULFATE SOLUTION AND/OR SODIUM HYPOCHLORITE .
2. WATER OPERATOR SHALL FOLLOW DFW WATER DISTRIBUTION SYSTEM NITRIFICATION ACTION PLAN.
3. AMMONIUM SULFATE SOLUTION AND/OR SODIUM HYPOCHLORITE SHALL BE INJECTED ONLY DURING FILLING THE ELEVATED STORAGE TANK.
4. BOOSTER CHLORAMINE SYSTEM SHALL BE CONNECTED TO DFW SCADA SYSTEM WITH MULTIPLE ALARM SYSTEM.

On July 13, 2018, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated July 9, 2018 for the proposed booster chloramination system at the elevated storage tank (ST7890). Based on our review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 – Rules and Regulations for Public Water Systems and is **approved for construction.**

The submittal consisted of 6 sheets of engineering drawings, Engineering report and technical specifications. The approved project consists of:

- Sodium hypochlorite disinfection booster system:
  - Two (2) Watson Marlow 520 DuN/REH chemical feed pumps rated at 0.2 to 7.1 gallons per hour (one service and one back up/standby- can be common with LAS);
  - 500-gallon double wall, polyethylene storage tank with containment;
- LAS booster system:
  - Two (2) Watson Marlow 520 DuN/REH chemical feed pumps rated at 0.2 to 7.1 gallons per hour (one service and one back up/standby – can be common with sodium hypochlorite);
  - 55-gallon polyethylene LAS storage with containment;
- Chlorine/ammonia analyzer integrated with existing SCADA;

This approval is for the construction of the above listed items only. Any wastewater components contained in this design were not considered.

Upcoming PWC Meeting

- Next Meeting: May 21, 2026, at 10 a.m. (In-person)
  - Review draft work program for FY27
  - Review members with terms ending in FY27

- Next Subcommittee Meetings
  - **Construction Standards**: March 11, 2026, at 10 a.m. (In-person)
  - **SPROW**: March 25, 2026, at 10 a.m. (In-person)
  - **iSWM**: April 14, 2026, at 1:30 p.m. (In-person)

Environment & Development Committees Information
Available at nctcog.org/envir/committees

Contact & Connect

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