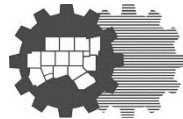


# ***PUBLIC WORKS CONSTRUCTION STANDARDS NORTH CENTRAL TEXAS: BACKGROUND AND FIFTH EDITION UPDATE OVERVIEW***

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TSPE DFW Mid-Cities | November 14, 2017 Meeting



North Central Texas Council of Governments

## ***WHAT IS NCTCOG?***

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The North Central Texas Council of Governments (NCTCOG) is a voluntary association of, by and for local governments, and was established to assist local governments in planning for common needs, cooperating for mutual benefit, and coordinating for sound regional development. NCTCOG's purpose is to strengthen both the individual and collective power of local governments and to help them recognize regional opportunities, eliminate unnecessary duplication, and make joint decisions.

NCTCOG has 236 member governments including 16 counties, 168 cities, 24 school districts, and 28 special districts.

## ***PUBLIC WORKS COUNCIL***

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- NCTCOG's Public Works Council (PWC), initially established as the Standard Specifications Advisory Committee in 1977, provides expertise and support to the NCTCOG Executive Board and staff on a wide range of local public works topics.
- In this role, the PWC provides continuing advice regarding the *Public Works Construction Standards*, and areas such as managing right-of-way, comprehensive storm water management, and regional pavement design guidance.
- Public Works Advisory Committee in 1984
- Public Works Council in 2001

# ***PUBLIC WORKS COUNCIL***

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## **MISSION STATEMENT:**

The mission is to facilitate the delivery of innovative, cost effective public works services to jurisdictions in this region by providing a forum for exchanging ideas and initiating actions, pooling financial and intellectual resources to address specific common needs, establishing uniform standards which produce better products at lower costs, and encouraging the development of the public works profession in this region.

## ***PUBLIC WORKS COUNCIL***

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- The PWC Committee is composed of public and private sector professionals with public works and development expertise.
- The structure of the Public Works Council is based on large jurisdiction and subregion representation. The subregions are intended to provide a linkage to the Council for all jurisdictions in the region.
- The current PWC Structure has 21 seats for the 14 cities with populations over 100,000 (two seats each for the three largest cities) and the four largest counties with populations over 400,000.
- It has 16 seats for 16 subregions to adequately represent the remainder of the NCTCOG planning region.
- The PWC has 5 private sector seats.

# ***PUBLIC WORKS CONSTRUCTION STANDARDS***

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- Represents over 40 years of regional cooperation and coordination between local government and private industry public works professionals in the North Central Texas region.
- Produced through a public process, this document combines Standard Specifications and Standard Drawings in one volume through two Sections.
- The North Central Texas Council of Governments' (NCTCOG) Public Works Council (PWC) is charged with the oversight, management, and development of regional public works construction standards.

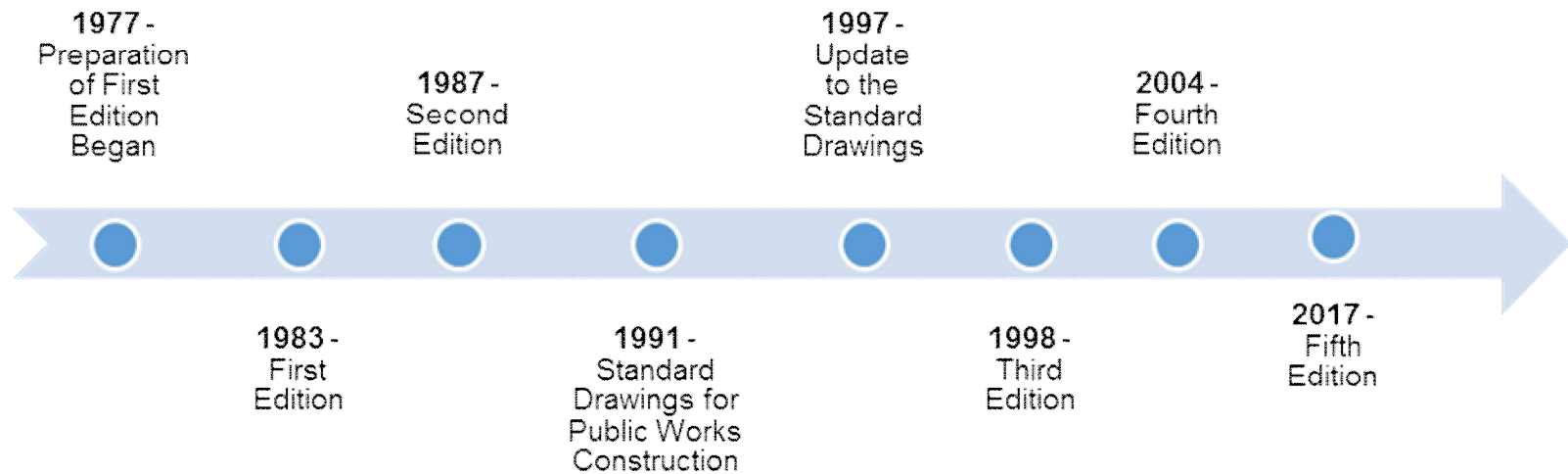
# ***PUBLIC WORKS CONSTRUCTION STANDARDS***

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- Use of the standards as the basic uniform specifications and drawings for North Central Texas should accomplish the following improvements:
  - ✓ allow common interpretation of provisions for all disciplines involved in public works construction;
  - ✓ simplify the bidding process for both local governments and contractors;
  - ✓ provide a continuing amendment process to meet the changing demands of new technology, new materials and improved methods;
  - ✓ reduce local government expenditures associated with staff or consultant development of specifications, drawings, and training of construction inspectors; and
  - ✓ result in decreased construction costs for public works projects.

# ***HISTORY OF THE PUBLIC WORKS CONSTRUCTION STANDARDS***

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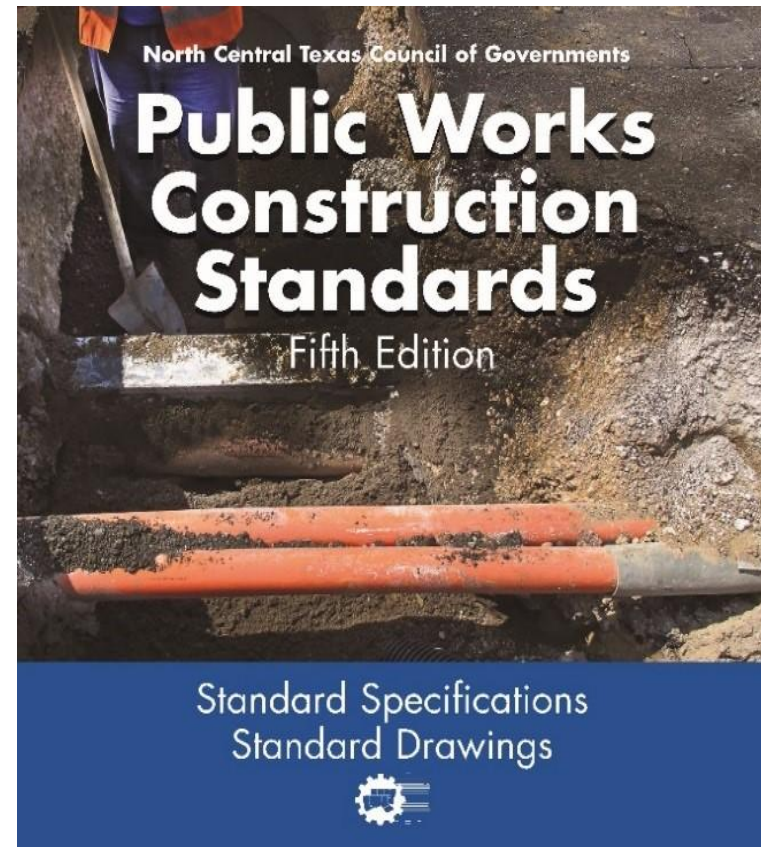




# ***PUBLIC WORKS CONSTRUCTION STANDARDS NORTH CENTRAL TEXAS, FIFTH EDITION***

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- Represents the culmination of an intensive comprehensive review and refinement process to update the 2004 Fourth Edition Standard Specifications for Public Works Construction.
- Approved by the PWC on October 12, 2017.
- Approved by the NCTCOG Executive Board on October 26, 2017.



# ***PUBLIC WORKS CONSTRUCTION STANDARDS NORTH CENTRAL TEXAS, FIFTH EDITION UPDATE***

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- This update is the result of feedback from NCTCOG's local government members and the engineering, supplier, and construction industries that confirmed the wide use of the document in North Central Texas.
- The PWC assembled a Public Works Construction Standards Subcommittee (PWCSS) to facilitate the update to the 2004 Fourth Edition. Six review groups that included representation from NCTCOG member agencies, engineering consultants, and contractors lead the update of the Standards.
- For further information about the Public Works Council or the Public Works Construction Standards, please visit:  
[www.nctcog.org/envir/constructionstandards](http://www.nctcog.org/envir/constructionstandards)

# ***FIFTH EDITION UPDATE PHASES***

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## **Evaluation Phase**

- The current Standards were evaluated based on survey feedback and the Review Groups' opinion of current North Texas public works' best practices for engineering design and technical specifications.

## **Recommendation Phase**

- Based upon the results of the Evaluation Phase, the Review Groups identified current Standards to keep or revise, and what new Standards needed to be developed.

## **Development Phase**

- Each Review Group focused on developing new or revised Standards identified in the Recommendation phase. This phase also included PWCSS review and comment efforts on the draft Standards.

## **Concurrence Phase**

This phase involved PWC review, subsequent public comment period, and final revisions to the updated Standards.

## **Public Review Phase**

NCTCOG provided an opportunity to review a draft version of the Fifth Edition and accepted public comments. This feedback was incorporated into the final document, as appropriate.

# ***FIFTH EDITION***

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## **Standard Specifications:**

**Division 100:** General Provisions

**Division 200:** Site Protection and Preparation

**Division 300:** Roadway Construction

**Division 400:** Roadway Maintenance and Rehabilitation

**Division 500:** Underground Conduit Construction and Appurtenances

**Division 600:** Conduit and Appurtenance Rehabilitation

**Division 700:** Structures

**Division 800:** Miscellaneous Construction and Materials

**Appendix A:** Model Forms

# ***FIFTH EDITION***

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## **Standard Drawings:**

**Division 1000:** Erosion and Sediment Control

**Division 2000:** Pavement Systems

**Division 3000:** General Underground Conduit

**Division 4000:** Water Distribution

**Division 5000:** Wastewater Collection

**Division 6000:** Stormwater Drainage

*\*Standard Drawings are as of 2004, Fourth Edition and were not updated with the release of the Fifth Edition.*

# ***FIFTH EDITION UPDATE- A SPECIAL THANKS TO:***

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## **Public Works Construction Standards Subcommittee (PWCSS)**

*Paul Causey*  
AGC of Texas

*Lyndon Cox*  
Terracon Consultants

*Chris Flanigan*  
City of Allen

*Eric Johnson*  
Austin Bridge and Road

*Ben Stephenson*  
City of Dallas

*Brad Tribble*  
Kimley-Horn

## **Review Groups**

**Review Group #1**  
Dan Vedral-*Chair*

**Review Group #2**  
Susan Alvarez –*Chair*  
Nicole Hayes-*Co-Chair*

**Review Group #3**  
Shawn Poe-*Chair*  
Patrick A. Diviney-*Co-Chair*

**Review Group #4a**  
Tony Almeida-*Chair*  
Shahrazad Tavana-*Co-Chair*

**Review Group #4b**  
Shana Heffler-*Chair*  
Audra Valamides-*Co-Chair*

**Review Group #5**  
Lisa Woof-*Chair*  
Regina Stencil - *Co-Chair*

# ***PUBLIC WORKS CONSTRUCTION STANDARDS NORTH CENTRAL TEXAS, FIFTH EDITION***

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## **ELECTRONIC VERSION**

- \$50 per download
- Downloadable PDF file
- Hyperlinked table of contents and expandable/collapsible bookmark menu for easy navigation
- Hyperlinked cross references
- You may copy or print sections for internal use, but may not share the file outside of the purchasing agency

## **PRINT VERSION**

- \$85 per printed copy
- 590 page document printed and bound in a 3-ring binder
- Available for purchase online or from the front desk at the NCTCOG offices
- The *Public Works Construction Standards North Central Texas* is a copyrighted document.

# ***REGIONAL PUBLIC WORKS PROGRAM***

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For more information on the Regional Public Works Program, including the PWC activities and the Public Works Construction Standards review and maintenance, please visit:

[www.nctcog.org/envir/pubworks/](http://www.nctcog.org/envir/pubworks/)



# QUESTIONS/CONTACT

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