

# City of Corpus Christi Infrastructure Design Manual



January 25, 2022



# Infrastructure Design Manual

- In March 2013, CoCC took a step towards developing a comprehensive Infrastructure Design Manual.
- The manual was intended to expand upon and harmonize with the UDC.
- Intended to provide guidance to designers of all public sector infrastructure projects, both public and private.



## ENGINEERING SERVICES

P.O. Box 9277  
Corpus Christi  
Texas 78469-9277  
Phone 361-826-3500  
Fax 361-880-3501  
[www.cctexas.com](http://www.cctexas.com)

March 26, 2013

### TO WHOM IT MAY CONCERN:

On March 19, 2013 City Council passed an ordinance to amend the Unified Development Code (UDC) related to street design standards, criteria, and requirements for street design. This amendment requires design of all City-maintained roadways to be in compliance with design standards issued by the City Engineer.

The 2013 edition of the City of Corpus Christi Infrastructure Design Manual (IDM) is issued by the Engineering Department as required by this UDC amendment. The IDM currently consists of General Requirements and Street Design Chapters. However, over the course of the next few months, the Engineering Department will be adding the other chapters as shown in the Table of Contents.

All Capital Improvement Projects that have not received Engineering Letter Report (ELR) approval shall be required to comply with all standards outlined herein and any subsequent chapters that are published prior to ELR approval.

Projects in the public/private sector that submit plans for review and/or permitting through Development Services will be required to comply with all designs standards approved and published at the time of their submittal.

While compliance is required with these published standards, we are taking comments and questions on these standards and will update as necessary when we add subsequent chapters. Therefore, please submit any questions or comments to me via email at [danb@cctexas.com](mailto:danb@cctexas.com).

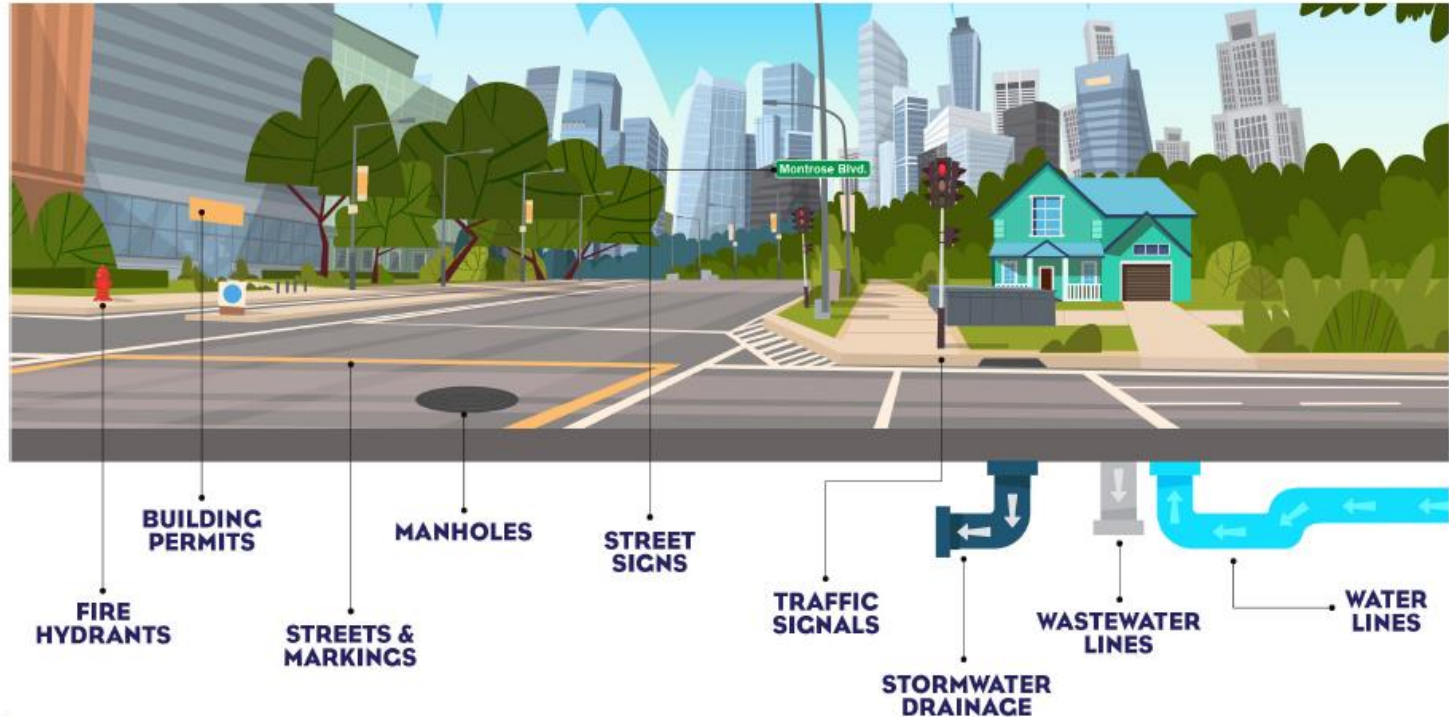
Respectfully,

Daniel Biles, P.E.  
Director of Engineering Services



# Infrastructure Design Manual

## PUBLIC INFRASTRUCTURE





# Infrastructure Design Manual



City of  
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Daniel Biles, P.E.  
Director of Engineering Services



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City of Corpus Christi

Department of Engineering Services

INFRASTRUCTURE DESIGN MANUAL

March 2013

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2. Graphic Requirements (not yet published)
3. Storm Water Design Requirements (not yet published)
4. Water Design Requirements (not yet published)
5. Wastewater Design Requirements (not yet published)
6. Street Design Requirements
7. Traffic and Signal Design Requirements (not yet published)
8. Miscellaneous (not yet published)

Appendixes



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- The current effort is intended to finish something that was started 8 years ago but never finished.
- The manual will mostly update, correct and address gaps in the current guidance.
- The Purpose of this manual is to create one cohesive document with all design criteria and standards to guide engineers in performance of their public infrastructure design work and help reviewers to approve public improvement plans.



# Infrastructure Design Manual

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Listed below are the Design manual chapters

- General Requirements (policies, references to UDC)
  - Graphic Requirements (plan preparation/drawings standards)
  - Storm Water Design Requirements
  - Water Design Requirements
  - Wastewater Design Requirements
  - Street Design Requirements
  - Traffic Signalization Design Requirements
  - Street Lighting
  - Median Landscaping
  - Miscellaneous
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## Engineering Director Closing Comments

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- Engineering Services is publishing the manual on the City's website
- The new IDM is proposed to be effective beginning of March 1, 2022
- The new IDM be updated with the changes annually



# Questions

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