



## Public Works Department

# Engineering Design and Construction Manual

April 18, 2013

# Background

Sec. 30-14. - Design manual.

(a) *Intent; adoption of manual.* The design manual is intended to provide detailed design guidelines and specifications for construction of physical improvements in the city. The design manual shall be adopted by resolution of the city commission and kept on file in the public works department. The design manual shall address the following:

- (1) Selection of environmentally sound practices for the management of stormwater and control of erosion and sedimentation;
- (2) Construction specifications for stormwater management facilities, streets, bridges, bikeways, sidewalks, and other physical improvements;
- (3) Design criteria for wet and dry detention basins; and
- (4) Local rainfall information.

# Current Design Manual

- Adopted in 1992
- Revised in 1998



**THE DESIGN  
MANUAL  
FOR  
SUBDIVISIONS AND SITE PLANS**

Prepared by the Public Works  
Department  
City of Gainesville, Florida  
May 27, 1992  
Revised May 26, 1998

# Process

- New manual drafted in 2012
- Three stakeholder reviews
  - July – August 2012 (meeting 9/11/2012)
  - October – November 2012 (meeting 12/12/2012)
  - March 2013
  - Individual meetings by request
- All documents available via the Public Works Department website

# Stakeholders

- **Government**

- City Commission, City Departments, CRA, Alachua County, FDOT, FDEP, MTPO, Water Management Districts, UF

- **Utilities**

- GRU, AT&T, Cox, Century link, Level 3

- **Private**

- Jones Edmunds, Geosyntec, CES, RS&H, ECT, Brown & Cullen, JMJ, Lochrane, CHW, WAR, ATM, JMT, EDA, Volkert, DRMP, Nodarse, Universal, JOLA, Buford Davis, Littlejohn Engineering, Jim Meehan, Kimley Horn, Chen Moore, Builders Association

# Purpose

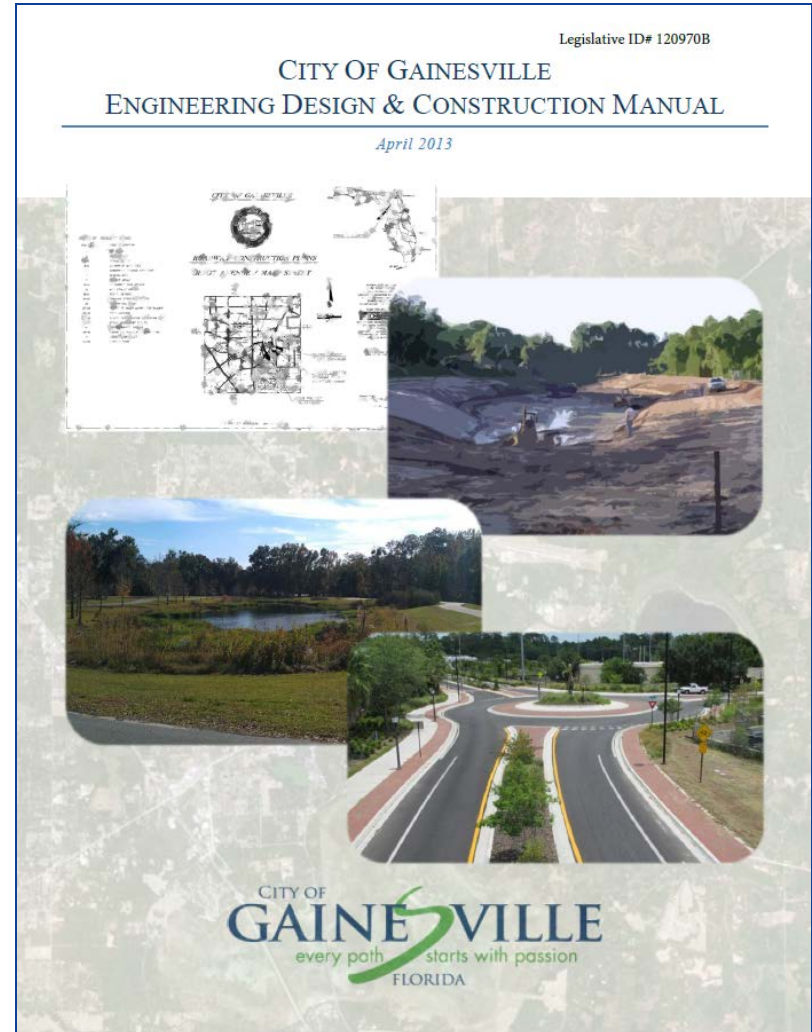
- Reflect current practices
- Decrease redundancy with other policy documents (i.e. *Florida Greenbook*)
- Consolidate all Public Works standards in one document

# Key updates

- Controls to reduce pavement degradation
- Standardized submittal requirements
- Updated rainfall data
- Added design exception process
- Updated technical references

# Organization

- Ten chapters
  1. Introduction
  2. Technical References
  3. Permits
  4. Stormwater Management
  5. Roadway Design
  6. Site Design
  7. Traffic Study Guidelines
  8. Submittal Requirements
  9. Inspection Requirements
  10. Construction Specifications
- Two appendices
  - A. Definitions and Terms
  - B. Standard Details





# Recommendations to the City Commission for action

- The City Commission adopt the Resolution.

**QUESTIONS?**