

2025 FDOT Drainage Manual

For review by the Chief Engineer

Summary of the Revisions:

The ***2025 FDOT Drainage Manual*** was updated to keep information and policies up to date, and general cleanup.

The intent of the proposed changes is to address the following items:

- Revised Hydraulic Grade Line requirements to tabular format rather than paragraph format
- Added requirements and Forms as part of FDOT's implementation strategy and FDOT-FDEP negotiations for compliance with the New Stormwater Rule
- Clarified base clearance water elevation criteria for ponds where the Design High Water stages into roadside ditches. (As discussed during meeting on 5/24/2024 and presented in email dated 6/19/2024 at 4:27 PM)

Included with the review were the following documents:

- Summary of changes for the **2024 FDOT Drainage Manual**
- Answers to Executive Management Questions
- Concurrence/Approval email from FHWA

1. Are changes in line with promoting and making meaningful progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

These changes are in line with the Department's mission and values. The Manual was updated to provide clarity and consistency and provide FDOT's policy as it relates to the New Stormwater Rule.

2. What financial impact does the change have; project costs, pay item structure, or consultant fees?

There is anticipated financial impact to the Department created by an external policy change, FDEP's new Stormwater Rule. However, the ***Drainage Manual*** new policies and forms were developed to minimize financial impact to FDOT projects as much as possible.

It is anticipated there will be no financial impact to the Department regarding the additional clarifications throughout the ***Drainage Manual***.

3. What impacts does the change have on production or construction schedules?

We do not anticipate any schedule impacts because of these updates. Any impact to schedules would be related to the new Stormwater Rule.

4. How does this change improve efficiency or quality?

The proposed changes improve efficiency by collecting drainage criteria in a single manual and providing policy direction for implementation with the new Stormwater Rule. Quality is improved through clarification of design requirements for Drainage, and match language changes in other supporting manuals (Specifications, FDM, PD&E, Standard Plans).

5. Which FDOT offices does the change impact?

These changes will only affect the Office of Design. Other office coordination was performed to match their revisions into the Drainage Manual.

6. What is the impact to districts with this change?

Implementation of the new Stormwater Rule will impact the Districts. There will be design changes and special training needed as a result of the new Stormwater Rule.

7. Does the change shift risk and to who?

This change does not shift any risk.

8. Provide summary and resolution of any outstanding comments from the districts or industry.

All District comments have been reviewed and addressed with responses and revisions as needed. No comments were left outstanding.

9. What is the communication plan?

These updates to the Drainage Manual have already completed our FDOT Internal Review process, and the FHWA review and approval process. A bulletin will be issued for Roadway Design Manual updates.

10. What is the schedule for implementation?

The manual will be published by October 31, 2024 (Effective January 1, 2025).