

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTER-DEPARTMENT CORRESPONDENCE

DATE October 10, 2014



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TO Divisions of Engineering, Operations, Construction, Field Districts, Program Delivery/IPD/TIA

SUBJECT **GDOT Manual on Drainage Design for Highways (2014 Edition)**

This is notification that the *GDOT Manual on Drainage Design for Highways* (2014 Edition) is the official update to, and hereby supersedes, the 2008 Edition. The policies and guidelines in this manual are effective immediately and are applicable to GDOT projects on the state route system in Georgia. The manual is published on the R.O.A.D.S. webpage at:

<http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/Drainage/Drainage%20Manual.pdf>

On January 3, 2012, GDOT was issued a National Pollutant Discharge Elimination System (NPDES) stormwater permit from the Georgia Department of Natural Resources, Environmental Protection Division (EPD). This permit authorizes GDOT to discharge stormwater from a municipal separate storm sewer system (MS4) to the waters of the State of Georgia using appropriate stormwater management. In addition to incorporating new information to meet these permit requirements; the manual has also been updated to incorporate various other drainage and erosion control policies and practices implemented since the release of the 2008 manual.

The purpose of this manual is to provide sufficient information and policy related to the design of highway stormwater infrastructure. During the development of this manual, numerous drainage manuals and guides from the FHWA, other states, certain municipalities, and organizations were obtained and referenced. Although the basic concepts of hydrology and hydraulics are introduced in this manual, references to other publications are also provided in each chapter for more detailed guidelines, step-by-step procedures, and additional example problems. There are select example problems provided in the appendices of this manual as well.

This manual is not intended to be a complete guide to all hydrologic or hydraulic problems encountered and it does not provide guidance on complex issues regarding those problems. Each design project is unique and this manual should not be used as a substitute for good sound engineering judgment.

If you have any questions, please email drainagemanual@dot.ga.gov. Or you may contact Brad McManus at (404) 631 1630 or bmcmanus@dot.ga.gov.

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