

**Virginia Department of Transportation** 

## DRAINAGE MANUAL

1401 East Broad Street Richmond, Virginia 23219



(804) 786-2534 http://www.virginiadot.org

### DRAINAGE MANUAL

#### TABLE OF CONTENTS

Chapter 1 Ir	ntroduction
--------------	-------------

- **Chapter 2 Policy**
- **Chapter 3 Documentation**
- Chapter 4 Legal
- **Chapter 5 Planning and Location**
- Chapter 6 Hydrology
- **Chapter 7 Ditches and Channels**
- **Chapter 8 Culverts**
- **Chapter 9 Storm Drains**
- **Chapter 10 Erosion and Sediment Control**
- **Chapter 11 Stormwater Management**
- **Chapter 12 Bridge and Structure Hydraulics**
- **Chapter 13 Shore Protection**
- **Chapter 14 Subdivisions**
- **Chapter 15 Drainage Design Instructions**
- **Chapter 16 Engineering Software**

#### **DRAINAGE MANUAL**

Prepared by

# LOCATION AND DESIGN DIVISION HYDRAULICS SECTION

Adopted April 2002

Virginia Department of Transportation

Recommended for Approval: **Mohammad Mirshahi, P.E.**Location and Design Engineer

Approved: C. Frank Gee

Acting Chief Engineer