



Stormwater Management Plan:

Structural Controls and Storm Water Collection System Operation



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July 6, 2010

Overview

- What does this cover?
- Program Goals
- Repair and Maintenance
- Other Needs
- Current Efforts




What does this cover?


- Anyone who **owns, operates** or **maintains** structures designed to manage stormwater
 - City of Columbia
 - Private owners/ operators
 - Other MS4 operators
- Structures need to be
 - Inventoried
 - Inspected
 - Maintained





Program Goals

- To see that structures designed to manage stormwater are **maintained** so they continue to function properly
- To **reduce pollution** that could come from improperly maintained stormwater structures



Repair and Maintenance

- Controls on **City Property**
 - Routine schedule for inspections
 - Repair and maintain those flagged for service
 - City has historically done this type of work
- Controls on **Private Property**
 - Routine schedule for inspections
 - Owner/ operator responsible for repairs and maintenance
 - May need to work with property owners to identify solutions to maintenance issues

Culvert In Need of Maintenance



Source: EPA Menu of stormwater BMPs




Other Needs

- Regulatory Authority
 - To inspect
 - To require repair or maintenance
 - To require site appropriate controls
- Inventory controls
 - Existing City and privately owned
 - "Reasonably discoverable"
 - Those needing repair or maintenance
- Citizen Complaint Line






Current Efforts


- Routine repair and maintenance
 - ◆ Already takes place
 - ◆ Currently updating system to document this work
 - ◆ Stormwater and Public Works will be coordinating on tracking
- Inventory controls
 - ◆ Currently updating list of controls
- Citizen Complaint Line
 - ◆ Streets Division responds to repair requests



Stormwater Management Plan: Existing Roadways

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Overview

- What does this cover?
- Program Goals
- Design and Construction
- Encroachment
- Maintenance




What does this cover?

- The design, repair and maintenance of City owned roads
 - ◆ Designers
 - ◆ Contractors
 - ◆ City of Columbia
 - ◆ Other MS4 operators



Program Goals

- To reduce water pollution that could come from the **construction, repair and maintenance** of City owned roads
- To see **stormwater controls** on City owned roads are **properly maintained** so they continue to function



Design and Construction

- Meet State Design Criteria
 - ◆ SC Regulation 72-300
 - ◆ SC Regulation 61-9
- Road Construction
 - ◆ Procedures to address stormwater quality issues
 - ◆ For City crews and hired contractors working in road right-of-ways



← Right of Way →



Encroachment

- What is an encroachment permit?
 - ◆ Permission to do work within City owned right-of-way
 - ◆ Cover a variety of items
- Stormwater items encroachment permits will consider
 - ◆ Spill prevention
 - ◆ Material management practices
 - ◆ Good housekeeping



Maintenance

- Require and use appropriate stormwater quality controls
 - ◆ Already in use
 - ◆ Will revise and enhance
- Regular inspection and maintenance of these controls
 - ◆ Already done
 - ◆ Will revise and enhance



Thank you!

