

# **180 MESA COUNTY ROAD & BRIDGE STORM WATER REHABILITATION AND REPLACEMENT POLICY**

## **180 - Policy for Storm Water System Repair/Rehabilitation, Replacement, and Improvements of Catch-basins and Piping**

**Purpose:** To assist in the protection, safety, and well being of the public in conveying storm water off and away from private property. This policy has two goals; establish consistency for response to storm water related inquiries, and provide a process to allocate limited resources.

**Procedure:** The Mesa County Division of Transportation will maintain storm water drainage systems located within accepted Mesa County road rights-of-way. Priorities and service levels will be used to determine the condition and need for repair/rehabilitation, replacement, or improvements. The Division of Engineering will provide design assistance to the Division of Transportation.

### **PRIORITIES AND SERVICE LEVELS**

Storm water facilities are designed for the 100-year rain storm per the Mesa County adopted Storm Water Management Manual. Engineering design generally include conveyance of storm water both in buried pipes and on the surface within the road or street width. Design criteria contained in the Storm Water Management Manual allows up to 12 inches of depth for storm water on public roads or streets. Based on these criteria, this policy outlines a method to respond to and assess/prioritize requests regarding storm water.

Assessments of any storm water system will be based upon a dual rating method using both numeric and alpha descriptions. A description of a condition will be used to develop a rating that will subsequently be used in determining the need for maintenance repair/rehabilitation, or replacement or improvements. Numeric descriptors assess the magnitude, while the alpha descriptor assess the frequency. Both descriptors are used to assess and prioritize locations; with the highest priority locations receiving the lowest descriptors (“1” has a higher priority than a “5”, and an “A” has a higher priority than an “E”).

#### **Numeric Descriptors:** (magnitude)

- 1** Storm water **entered habitable** floor space (wet carpet, damage to drywall, etc.).
- 2** Storm water **entered non-habitable** areas (garages, carports, crawl spaces, sheds, etc.).
- 3** Storm water **encroached on private property** (excludes areas designed to convey or store storm water) and caused damage outside of rights-of-way (on lawns, erosion cutting, etc.).
- 4** Storm water **stayed within rights-of-way** (took longer than 24 hours to drain).
- 5** Storm water **stayed within rights-of-way** (drained in less than 24 hours).

#### **Alpha Descriptors:** (frequency)

- A** Occurs more than twice every year.
- B** Occurs more than once every year.
- C** Occurs more than once every five years.
- D** Occurs more than once every ten years.
- E** Occurred only once (first time).

Address:

Priority Rating: 1 2 3 4 5 A B C D E (circle # and letter)

**Acceptance of requests/inquiries:** The Division of Transportation and/or Engineering can evaluate each request and establish a rating. The amount of maintenance repair/rehabilitation, replacement, or improvement work is limited to available funds and resources. Each request will be assigned a priority and addressed accordingly (1A has a higher priority rating than a 4D).

**When work will be completed:** Highest priorities will first be evaluated for schedule of routine maintenance by the Division of Transportation, ie; plugged catch basins, jet rodding of piping, submerged outlets. When routine maintenance activities do not alleviate the condition, the next criteria is to define the extent of repair/rehabilitation, replacement, or improvement. The Division of Transportation can utilize resources within the Engineering Division to assist in defining the extent of repair/rehabilitation, replacement, or improvement. Identified repair/rehabilitation, replacement, or improvement will then be compared to the approved county CIP project list to include with an existing scheduled project. When a location can not be included within an identified CIP project, then a request will be completed within the capabilities of existing resources. It is the intent of this policy to not delay a condition rated as a 1 for more than 3 years, and a condition 2 for more than 10 years assuming a cost effective solution is available. Conditions rated at 3,4, and 5 will receive a lower priority than conditions rated as 1 or 2, and will be addressed at the discretion of Mesa County Public Works Department.

**No work will be performed on private property:** Mesa County will not repair/rehabilitate, replace, or improve any system located on private property. This includes storm water detention and/or retention ponds, outlet works, piping, and other appurtenances located on “open space”, “common space” or other designations commonly found on plats. Mesa County is only authorized to conduct work within property **clearly** defined as public rights-of-way or Mesa County public drainage easements.

Amended February 3, 2021