



**Missouri Department of Transportation
Maintenance SOP
For
Dry Detention Basin, Grassy Swales(AKA FBD's)**



These BMP's consist of a settling basin that slowly release detained runoff over and slowly release it. They are designed to be dry between storm events. Grassy swales and FBD are designed to filter pollutants and slow down water.

Annual Inspection guidelines

- 1) Schedule inspection and cleaning during dry weather.
- 2) Remove sediment and trash from inlets, outlets, grates, bottom of basin and properly dispose of it.
- 3) Make sure any grates, structures, manholes, boxes, and pipes are in good working order. Remove manhole covers and grates as necessary for inspection.
- 4) Grass should be maintained at a six inch height, no shorter.
- 5) Provide outlet and inlet protection where feasible to minimize erosion into or out of the basin
- 6) Cut and remove all woody vegetation from within the basin, and swales unless it is the intended vegetation. For questions or concerns about vegetation contact [the Stormwater Compliance Coordinator in the Environmental Section at \(573\)751-2790](#).
- 7) Dispose of all waste properly.
- 8) Inspect berms on basins for animal damage that may hinder the integrity of the structure, repair as needed

What should it look like?

- No standing water
- No cattails
- No woody vegetation
- No trash

