

**Table 4: Filter Strips**

Filter strips should provide even sheet flow that moves water from edge of pavement toward a downslope conveyance.

Maintenance Component	Defect or Problem	Condition When Maintenance is Needed	Recommended Maintenance to Correct Problem
General	Follow applicable Guidance from Table 1 AND applicable guidance from this table.		
	Vegetation growth (mowing and brushing)	Vegetation growth restricts access, limits sight distance, obstructs water flow, or interferes with maintenance activity.  <b>Filter strips should be mowed annually.</b>	Mow as noted in the District Integrated Vegetation Management (IVM) Plan.  The use of heavy equipment is allowed unless access restrictions are listed in the O&M Manual.
Filter Strip Components	Sediment accumulation	Sediment inhibits the flow of water through the grass (e.g. water is ponding or cutting a channel).	Remove sediment from grassy areas. The use of a Vactor® truck is allowed unless access restrictions are listed in the O&M Manual.  Restore slope and geometry to design standards, if necessary.  Reseed grass cover where needed.
	Missing or eroded amended soil mix	Bare soil is observed over 10 percent of the amended area.	Identify and resolve erosion problem  Add amended soil. Contact a Region Hydraulics Engineer for required material specifications.
	Amended soil mix is clogged	Standing water is observed for seven (7) consecutive days or longer from May through October.	Remove and replace amended soil mix. Contact a Region Hydraulics Engineer for required material specifications.  Replace or repair damaged underlying drainage geotextile, impermeable liner, drain piping, and granular drain backfill material when applicable.
	Flow spreader is uneven or clogged	Water does not flow evenly across the structure	Clean or repair spreader as needed to provide a uniform flow and prevent erosion. Level portions of the flow spreader that have settled.
	Erosion or rutting	Areas have eroded or channelized due to high flows or vehicular damage	Repair, regrade, and reseed (as needed) to restore uniform flow across grass.  Repair and reseed as appropriate to restore coverage.  Install erosion control measures as needed.
Poor vegetation coverage	Vegetation (grass) is sparse or eroded patches occur in more than 10% of the strip. NOTE: A single incident is unlikely to trigger a repair.	Repair and reseed as appropriate to restore coverage.  Install erosion control measures as needed.	