
F. RETROFIT PLANNING

Purpose

Develop and implement runoff management systems for existing roads, highways, and bridges to reduce runoff pollutant concentrations and volumes entering surface waters. See the “Guidance for Sustainable Drainage on the Texas Coast”, guidance manual, for input on the retrofit selection and design process that outline how an entity would evaluate and implement sustainable drainage practices to improve runoff quality.

1. Identify priority and watershed pollutant reduction opportunities (e.g., improvements to existing urban runoff control structures; and
2. Establish schedules for implementing appropriate controls.

Applicability

This management measure is intended to be applied by States to existing, resurfaced, restored, and rehabilitated roads, highways, and bridges that contribute to adverse effects in surface waters.

Practices

1. Locate runoff treatment facilities within existing rights-of-way or in medians and interchange loops.
2. Develop multiple-use treatment facilities on adjacent lands (e.g. parks and golf courses).
3. Acquire additional land for locating treatment facilities.
4. Maximize the length and width of vegetated filter strips to slow the travel time of sheet flow and increase the infiltration rate of urban runoff.

