



## DESCRIPTION:

Address stormwater pollution from roadway and bridge maintenance on a site specific basis. The deposition and subsequent magnitude of pollutants found in road and bridge runoff is variable and affected by climate, surrounding land use, roadway or bridge design, traffic volume, and frequency and severity of accidental spills.

## APPROACH:

Prevent or reduce the discharge of pollutants to stormwater from roadway and bridge maintenance by:

- ▶ Paving as little as possible,
- ▶ Designing bridges to collect and convey stormwater,
- ▶ Using measures to prevent runoff and runoff,
- ▶ Properly disposing of maintenance wastes, and
- ▶ Training employees and subcontractors.

Some general measures for roadway maintenance should be implemented:

- ▶ Sweep and vacuum heavily traveled roadways to remove accumulated sediment and debris. (See the Street Sweeping BMP sheet).
- ▶ Ensure proper handling, application, and disposal of pesticides, fertilizers, and paints.
- ▶ Do not over-apply deicing salt and sand, and routinely calibrate spreaders.

The following steps will help reduce the stormwater impacts of bridge maintenance:

- ▶ Site new bridges so that significant adverse impacts to wetlands, sensitive areas, critical habitat, and riparian vegetation are minimized.
- ▶ Design new bridges to avoid the use of scupper drains and route runoff to land for treatment control. Existing scupper drains should be cleaned of debris on a regular basis.
- ▶ Reduce the discharge of pollutants to surface waters during maintenance by using suspended traps, vacuums, or booms in the water to capture paint, rust, and removing agents.
- ▶ Train employees and subcontractors to reduce the discharge of wastes during bridge maintenance.

## LIMITATIONS:

- ▶ The minimization of impervious areas may be limited by minimum required widths for roadways, shoulders, etc.
- ▶ The siting of new bridges is limited by available land, socioeconomic, fiscal, and political issues.

## OBJECTIVES

- New Development
- Residential
- Commercial Activities
- Industrial Activities
- Municipal Facilities
- Illegal Discharges



# WEBER COUNTY

## ENGINEERING DEPARTMENT

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## TARGETED POLLUTANTS

- Sediment
- Nutrients
- Heavy Metals
- Toxic Materials
- Oxygen Demanding Substance
- Oil & Grease
- Floatable Materials
- Bacteria & Viruses
- High Impact
- Medium Impact
- Low or Unknown Impact

## IMPLEMENTATION REQUIREMENTS

- Capital Costs
- O&M Costs
- Regulatory
- Training
- Staffing
- Administrative
- High
- Medium
- Low