

Activity: Construction Road Stabilization	EPP-02
Installation Procedures for Construction Road Stabilization	<ul style="list-style-type: none"> ➤ The implementation of this BMP depends largely on climate and weather conditions. Alternative routes should be established to incorporate these measures to account for conditions such as dry areas, wet conditions and other circumstances that would inhibit a safe and stable route for construction traffic. Permanent roads and parking areas should be paved as soon as possible after grading. The early application of gravel or chemical stabilization may solve potential erosion and stability problems where construction will be phased. Temporary gravel roadway should be considered during the rainy season and/or on slopes greater than 5 percent. ➤ When gravel roads are needed, a minimum 4-in. (10.2 cm) course of 2 to 4-in. (5.1- to 10.2-cm) crushed rock, gravel base, or crushed surfacing base course should be applied immediately after grading or the completion of utility installation within the right-of-way. Chemical stabilization may also be used upon compacted native sub-grade. These chemical controls should be applied per the manufacturer's directions. ➤ Roadways should be carefully graded to drain transversely. Provide drainage swales on each side of the roadway in the case of a crowned section, or one side in the case of super-elevated section. Simple gravel berms without a trench can also be used. ➤ Installed inlets should be protected to prevent sediment-laden water from entering the storm sewer system.
Maintenance	<ul style="list-style-type: none"> ➤ Periodically apply additional aggregate on gravel roads. ➤ Active dirt construction roads are commonly watered three or more times per day during the dry season. ➤ Inspect weekly, and after each rain event. Repair any eroded areas immediately.
Inspection Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Gravel roads are preventing mud and dirt from leaving project area. <input type="checkbox"/> Dirt and gravel roads do not show signs of erosion, including but not limited to, rill and gully erosion. <input type="checkbox"/> All stream crossings are maintained as mandated by the appropriate general or individual permit.