**Definition and Purpose**

Permanent erosion control and stabilization of unpaved road surfaces and shoulders through the application of an aggregate base material. Use in areas where plant growth is not desired. See PC-30 for application of rock mulch where vegetative growth is desired.

**Appropriate Applications**

- Aggregate Armor can be effectively used to protect fine-grained soils from erosion due to surface runoff from stormwater runoff, dust control water, and wind.

**Limitations**

- Material must be relatively free of erodible fine-grained material (passing #200 sieve).
- A thicker application is the most effective, therefore future revegetation efforts have limited effectiveness in this media.
- Rounded aggregate is not acceptable for this application.

**Design Parameters**

- Material size should conform to the requirements of ¾” A, ¾” B, 1” A, or 2” of Table 703.04.1, Nominal Maximum Size, of the Standard Specifications. Materials that meet the gradation requirements in Table 703.08-1 can also be used.
- Minimum thickness is 2”.

**Construction Guidelines**

- Key into a roughened surface to prevent slippage.
• Compact to form a shoulder in accordance with contract specifications and in reasonable conformity with the lines and grades shown on the project plans.
• Material should be placed and compacted in a moist condition.
• This work shall include brooming and/or flushing the shoulder, shaping and compacting, and shaping the ditch to drain if necessary.
• The material shall be drawn back to the top edge of road and shaped to form a smooth transition to the ditch or fill line.
• If material from construction obstructs the ditch drainage, the ditch shall be reshaped to drain properly.
• Minimize area of ground disturbance to area of construction and material placement.

Maintenance and Inspection

• Conduct inspections as required by the NPDES permit or contract specifications during construction.
• Periodic inspection and maintenance will be required based on post-construction site conditions.
• Make any repairs necessary to ensure the measure is operating properly.