

## **EARTHEN ROAD EROSION CONTROL MEASURES (Earthen and Synthetic Water Bars and Rolling Dips)**

### **1. SCOPE**

The work shall consist of placing low level earthen or synthetic water deflection barriers and rolling dips in and along roadways to prevent excessive water concentration and to minimize soil erosion.

### **2. METHODS AND PLACEMENT**

Water bars and synthetic water bars "flappers" should be placed at an angle downgrade roughly 60° to the centerline of the road. The downslope side of the water bar or bermed section, should be rounded, and built no higher than one to two feet above the normal road grade. The parallel water bar channel section, if needed, should be no deeper than one to one and one-half feet below the grade of the road. Sideslopes of the channel and berm should be four horizontal to one vertical or flatter as the relative depth increases. |