

## EROSION CONTROL PLAN

### FOR MAINTENANCE RESURFACING PROJECTS

This plan has been established to identify the proper procedure and techniques to be utilized during land disturbing activities associated with roadway maintenance projects. Erosion and sediment loss will be minimized by limiting land disturbing activities to less than one (1) acre of exposed material at a given time and providing immediate stabilization. This stabilization is accomplished by a best management practice that requires a hydroseeding application, which includes a mixture of bonded fiber matrix, Polyacrylamide (PAM), grass seed, lime and fertilizer. The implementation of this BMP provides both a temporary and permanent stabilization. This method along with proper installation has proven successful in reducing sediment loss. The hydroseeding application is listed as a Type II Wood Fiber Blanket within the contract.

By Federal Highway definition, the shoulder area serves as part of the roadway by providing a safe recoverable area for errant motorists. Additionally, the shoulder provides a drainage area which allows water to sheet flow away from the roadway surface as standing water can potentially present a hazard to motorist. The contractor is required to provide a Level 1A certified Worksite Erosion Control Supervisor (WECS) who shall be onsite at all times during land disturbing activities. State waters may or may not be identified in these contracts. This certified individual shall be able to identify these waters and use sound conservation and engineering practices, along with safe and effective changes to operation, in order to reduce and minimize erosion and impact to these waters and surrounding environment. Extreme caution shall be used while filling adjacent to or perpendicular to a live stream and/or culverts. The contractor shall immediately apply the Type II Wood Blanket for permanent stabilization in these areas. The contractor shall also use sound judgment when scheduling work during or with the threat of any inclement weather. In the event of rain, a Type I Wood Fiber Blanket (mat) shall be utilized as permanent stabilization in case of this type emergency. The Type II Wood Fiber Blanket referenced above requires a 24 hour drying time after application and shall not be applied to saturated soil.

The initial cutting of shoulder build up prior to the roadway resurfacing operation will be kept to a minimum and excess material shall be removed daily without disturbance to remaining vegetation. The filling operation associated with replacing a safe shoulder transition within these type projects should not disturb any existing natural vegetation which is allowed to remain in place. This operation shall be kept to a limit of less than one (1) acre of exposed soil. Permanent stabilization must be installed as soon as practical and once the areas have been permanently stabilized with the required hydroseeding application the contractor may continue. **At the end of each day, the WECS shall ensure a continuous, 100 percent coverage of the bonded fiber matrix application has been applied to all exposed areas. At the beginning of each work day, the contractor shall review previously installed stabilization measures for the entire project and repair any damaged or deficient areas prior to initiating additional land disturbing activities.**

Fill areas and contractors equipment shall not encroach on natural watercourses, waters of the State, or adjoining property. Equipment must cross streams by the means of an existing roadway culverts and bridges. Refueling or routine servicing of equipment shall not be performed within 200 foot of any state water or natural water course. The contractor shall also be responsible for stabilization of equipment staging areas and