

## AHC-TC12: STANDARD FOR CONSTRUCTION ACCESS ROAD

Last Update: February 6, 2009

### **1. Description of Work**

- 1.1 Contractor shall install temporary roads and/or improve existing access roads to provide adequate access for construction work based on the equipment list provided to the contractor.
- 1.2 The purpose of these roads is to provide temporary access to the defined areas with minimal environmental impact. Access road construction and improvements shall minimize earthwork, tree removal and other activities that may negatively impact forested and vegetated areas.
- 1.3 Contractor will be required to restore all disturbed areas to original condition as indicated in the job specific documents

### **2. Access Road Construction**

- 2.1 Newly installed access roads shall be constructed of matting material adequate to meet the site specific environmental and equipment conditions as provided for by the engineering details
- 2.2 Mats shall be designed to distribute the force of vehicle loading over the width of the access road to minimize erosion due to excavation associated with traditional construction roads. Typical depression under the matting material while under load shall not exceed 4 inches.
- 2.3 The contractor shall minimize grading and excavation to install mats. Grubbing of stumps will generally not be permitted other than where necessary to provide equipment access; and removal of trees shall also be minimized. Any tree removal must be approved by the appropriate authority. Every effort should be made to have the total footprint of the construction mat in contact with the ground to maximize load distribution.
- 2.4 The contractor shall implement necessary drainage, erosion and sediment control measures prior to initiating any work. These measures shall be in accordance with the most current federal, state, and local regulations.
- 2.5 The selection of matting material shall be such that the distributed ground pressure including the weight of the construction mats is no greater than 15 psi.
- 2.6 "Sensitive Receptors and Resources" such as recreation areas, agricultural land, pipeline crossings, historical interest sites, driveways, etc. shall require the use of matting material that results in distributed ground pressure that is no greater than 10 psi.
- 2.7 Mats shall be installed, maintained and removed in a manner that allows the mat to distribute the load as specified above.

### **3. Environment and Biological Characteristics**

- 3.1 Industrial matting by the nature of its use is often placed in environmentally sensitive conditions. As their intended use is temporary so should their affect on the local ecology be. Mats should be constructed of materials that do not introduce or leave behind components (chemical or biological) that are disruptive to the local ecology.
- 3.2 Invasive Species. All Constituent Materials should be free of biological invasive species. Transportation of wood based products should be consistent with current regulations defined by Phytosanitary Measure ISPM No. 15, APHIS, and the USDA Forest Quarantines.
- 3.3 Storm Water. Mats should not be chemically treated in such a way to negatively impact storm water runoff through the leaching or release of oilborn or waterborn chemicals.