

Black text – from standard FAA spec

Blue text – additions to FAA standard spec

~~Strikeout text~~ – deletions from FAA standard spec

Red text – notes to the Engineer/won't appear in spec

I. DESCRIPTION

A. GENERAL

1. Temporary control measures as shown on plans or ordered by the Engineer.
2. Through the life of the contract
3. Control:
 - a) Water pollution
 - b) Soil erosion
 - c) Siltation
4. In conformance with plans and specifications.
5. See also requirements in Section 7-8.6 of these specifications, Water Pollution Control.

B. METHODS

1. Berms, dikes, dams, sediment basins, fiber mats, gravel, mulches, grasses, slope drains,
2. Other erosion control devices or methods.
3. May involve work outside the construction limits

C. COORDINATION

1. With permanent control measures
 - a) to the extent practical
 - b) to ensure economical, effective, continuous control

II. MATERIALS

A. GRASS

1. Shall not compete with permanent grasses to be sown later
2. Shall be quick growing species, or
3. Shall be the following:
 - a) [name species]

B. MULCHES

1. Straw, fiber mats, netting, bark, wood chips
2. Other suitable materials
3. Reasonably clean and free of noxious weeds and deleterious materials.

C. FERTILIZER

1. Standard commercial grade
2. Conform to all Federal and State regulations
3. Conform to standards of the Association of Official Agricultural Chemists.

D. SLOPE DRAINS

1. Pipe, fiber mats, rubble, portland cement concrete, bituminous concrete, or
2. Other approved materials

E. OTHER

1. Shall meet commercial standards
2. Shall be approved by the Engineer in advance of incorporation into project

III. CONSTRUCTION METHODS

A. GENERAL

1. Conflicts between
 - a) This specification
 - b) Federal, state, or local agencies requirements(1) more restrictive shall apply.
2. Responsibility for assuring compliance
 - a) ~~Engineer~~ Contractor
3. Compliance may include requirements relative to:

- a) Use of smoke density charts.
 - b) Measurement of weight and density suspended particulate.
 - c) Permissible weights of emission in pounds per hour versus pounds per hour (of material processed).
 - d) Open burning.
 - e) Erosion control measures.
- B. SCHEDULE
- 1. Contractor to submit prior to construction
 - 2. Address temporary and permanent erosion control as applicable to
 - a) clearing and grubbing
 - b) grading
 - c) construction
 - d) paving
 - e) structures at watercourses.
 - 3. Submit proposed methods of:
 - a) Erosion control
 - b) Dust control on haul roads, borrow pits – may include:
 - (1) Minimize area of exposed erodible earth.
 - (2) Apply temporary mulch with or without seeding.
 - (3) Use water sprinkler trucks.
 - (4) Use covered haul trucks.
 - (5) Use dust palliatives or penetration asphalt on haul roads.
 - (6) Use plastic sheet coverings.
 - c) Waste disposal
 - 4. Must be approved by Engineer prior to start of work.
- C. AUTHORITY OF THE ENGINEER
- 1. Has the authority to:
 - a) limit exposed area of erodible earth
 - b) direct Contractor to provide immediate control measures
 - (1) to minimize contamination of watercourses
 - (a) permanent or
 - (b) temporary
- D. CONSTRUCTION DETAILS
- 1. Incorporate permanent erosion control measures
 - a) at earliest possible date
 - b) permanent seeding and mulching as soon as exposed slopes can be made available
 - (1) unless future work will damage slopes
 - 2. Use permanent or temporary measures to prevent erosion from conditions
 - a) that develop during construction
 - b) that were unforeseen during design
 - c) that are needed prior to installation of permanent control measures
 - d) that are needed temporarily to control effects of normal construction activities
 - 3. Where erosion likely to be a problem:
 - a) limit areas of clearing, grubbing, excavation, borrow, embankment
 - (1) commensurate with ability to finish
 - (a) grading, mulching, seeding
 - (b) other permanent control measures
 - b) if coordination with permanent measures unrealistic
 - (1) take temporary measures immediately
 - 4. If erosion due to Contractor's negligence
 - a) corrections shall be at his expense
 - 5. Contractor shall maintain measures throughout project

6. Where equipment frequently crosses watercourses
 - a) provide temporary structures to prevent affecting sediment levels
7. Pollutants shall not be discharged into channels leading to natural watercourses, including:
 - a) fuels
 - b) lubricants
 - c) bitumen
 - d) raw sewage
 - e) wash water
 - f) other materials deleterious to water quality
 - g) materials prohibited under other laws and regulations

IV. SUBMITTAL REQUIREMENTS

- A. SCHEDULE
- B. PROPOSED METHODS
- C. MATERIALS

V. METHOD OF MEASUREMENT

- A. TEMPORARY EROSION CONTROL
 1. per lump sum
 2. includes all work required to meet requirements including
 - a) Temporary seeding, mulching, fertilizing
 - b) Temporary slope drains
 - c) Temporary benches, dikes, dams, and sediment basins including
 - (1) cleaning of sediment basins
 - (2) embankment placed at the direction of the Engineer, in excess of plan lines and elevations.
 - d) Erosion control work required outside the work limits
 - e) All other work required to prevent erosion or water pollution.

VI. BASIS OF PAYMENT

- A. PAID AT CONTRACT UNIT PRICE UNDER ITEM NUMBER
 1. 27.1 Temporary Erosion Control – per lump sum
 2. Is full compensation for all materials, labor, equipment, tools and incidentals.
 3. No separate payment for work in areas of night or limited-time construction area.

VII. END OF SECTION