July 3, 2017

SPECIAL CONSTRUCTION REQUIREMENTS

FIRE PROTECTION PLAN

**NOTICE**

This is a standard special provision that revises or modifies CDOT’s *Standard Specifications for Road and Bridge Construction.* It has gone through a formal review and approval process and has been issued by CDOT’s Project Development Branch with formal instructions for its use on CDOT construction projects. It is to be used as written without change. Do not use modified versions of this special provision on CDOT construction projects, and do not use this special provision on CDOT projects in a manner other than that specified in the instructions unless such use is first approved by CDOT’s Standards and Specifications Unit. The instructions for use on CDOT construction projects appear below.

Other agencies which use the *Standard Specifications for Road and Bridge Construction* to administer construction projects may use this special provision as appropriate and at their own risk.

**Instructions for use on CDOT construction projects:**

Use this project special provision on all projects, except those in urban areas and along irrigated farm land, as determined by the Resident Engineer.

(a) *Fire Protection Plan*. Prior to start of work, the Contractor shall submit a Fire Control Plan in writing to the Engineer for approval. The plan shall include the following:

1. The name and contact information of a Fire Control Coordinator who shall be assigned to the project.
2. A list of numbers to call in case of a fire, including 911 (or the equivalent in the area).
3. A complete list, including storage locations, of all tools and equipment the Contractor will use in the event of a fire within project limits.
4. Methods that will be employed if a fire is encountered or started during construction activities within the project limits.
5. Specific fire prevention precautions, and the required firefighting equipment, for every activity which has the potential for starting a fire. At a minimum the plan shall address prevention planning related to use of heavy equipment, vehicles, hand tools, storage and parking areas.
6. Specific precautions for fueling operations.
7. Provisions for field safety meetings. The Contractor shall conduct field safety meetings (also known as toolbox or tailgate meetings) at least once per week. The Contractor shall encourage participation by all persons working at the project site. Participants shall discuss specific fire prevention precautions for construction activities.

(b) *Equipment and Procedures*.

1. Fire Boxes. Fire boxes shall contain tools and equipment that shall be used exclusively for controlling or suppressing fires which occur due to construction activities on project sites. Each fire box shall contain, as a minimum, the following:
2. five round-pointed shovels,
3. two double-bitted axes,
4. three pulaskis or mattocks, and
5. two backpack pumps
6. Welding. If welding at field locations is required, the welding shall be done at a location where all flammable material has been cleared away for a distance of 16 feet around the area.
7. Spark Arrestors. All diesel and gasoline powered engines, both mobile and stationary, shall be equipped with serviceable spark arrestors.
8. Power Saws. Each gasoline power saw shall be provided with a spark screen and a muffler in good condition. Spill‑proof metal safety cans shall be used for refueling.
9. Storage and Parking Areas. Batch plant areas, equipment service areas, parking areas, gas and oil drum storage areas, and explosive storage areas shall be cleared of all flammable materials for a distance of 50 feet. Small stationary engine sites shall be cleared of all flammable material for distance of 17 feet. Other mitigation methods may be used as approved by the Engineer

(c) *Fire Control Coordinator Responsibilities.* The Fire Control Coordinator shall:

1. Implement the Fire Control Plan.
2. Monitor, manage, and adjust the Fire Control Plan as needed as construction work progresses.
3. Document in a letter to the Engineer changes to the Fire Control Plan.
4. Immediately contact firefighting authorities when a fire is started due to construction activities within project limits.
5. Coordinate fire control and suppression activities until authorities arrive, including the evacuation of staff.
6. When the Fire Control Coordinator cannot be on the project site, he shall designate a person who is on site to serve as the Fire Control Coordinator. The Fire Control Coordinator, or his designee, shall be on site at all times that work is being performed.

(d) *Costs.* All costs associated with the preparation and implementation of the Plan and compliance with all fire protection provisions and requirements will not be measured and paid for separately, but shall be included in the work.