FOR PROJECTS INITIATED
AFTER NOVEMBER 1, 2008
REVISION 1

ITEM 698

TEMPORARY POLYETHYLENE WATER-FILLED BARRIER

698.1 Description. This item shall consist of furnishing, installing, moving, replacing, maintaining, and removing upon completion of work all temporary plastic water-filled barrier sections.

698.2 General. Temporary barrier shall be approved by the Federal Highway Administration (FHWA).

All temporary barrier sections shall be of a Jersey barrier type design.

Each barrier section shall have the capability of interlocking with other barrier sections when installed in a row through the use of independent clevis devices at the top of the barrier and a built-in male/female coupling at the bottom of the barrier. Each barrier section shall have ports for ground mounting.

Each barrier section shall be capable of easily and securely accommodating sign posts.

Each barrier section shall have two (2) drain plugs located on opposite sides of the barrier to ensure the separation of workers from traffic when draining barrier sections.

Each barrier section shall have forklift holes to allow fully filled sections to be lifted and relocated.

Barrier sections shall be colored either orange or white. When installed in a row, the sequence of colors shall be four (4) white, one (1) orange unless otherwise specified in the drawings.

698.3 Materials. Heavy duty, low density polyethylene with ultraviolet (UV) light inhibitors, rotationally molded to a uniform thickness of no less than eight (8) mm.

698.4 Dimensions. Barrier type shall be as designated in the construction drawings.

Type A. Length: 72" long x 24" wide at base. Height: 42" to 46".
Weight: approximately 130 lbs. empty, 1650 lbs. filled.

Type B. Length: 72" long x 18" wide at base. Height: 28" to 34".
Weight: approximately 95 lbs. empty, 1200 lbs. filled.

698.5 Construction Methods.

All barrier shall be installed in accordance with the requirements of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and Item 671, "Traffic Control".

698.6 Responsibility for Damage or Claims. (Also see Paragraph 4.17 "General Requirements and Covenants").

The Contractor shall hold harmless the County and its representatives from all suits, actions, or claims of any character brought on account of injuries or damages sustained by any person or property as a consequence of negligence in safeguarding the work or through the use of unacceptable materials in the execution of the contract or as a result of any act of omission by the said Contractor. He shall not be released from said responsibility until the contract has been completed and all work accepted. So much of the money due the said Contractor under and by virtue of his contract may be retained by the County or his survey may be held until such claims have been settled and suitable evidence to that effect furnished to the County.

All temporary barriers shall be checked daily to ensure they are properly located as shown in the approved traffic control plan drawings.

698.7 Measurement & Payment. This item shall be measured and paid for by the contract unit price bid per linear foot of barrier used, furnished, installed, relocated during construction and removal.

There are line code(s), description(s), and unit(s) for this item.

END OF ITEM 698