

STATE**OF****TENNESSEE**

(Rev. 10-9-17)

(Rev. 12-15-20)

January 1, 2021

SPECIAL PROVISION**REGARDING****TRAFFIC QUEUE PROTECTION****Description**

This work consists of providing Traffic Queue Protection when Work activities are performed on control-access or limited access facilities. Pursue efforts for the protection of traffic queues caused by project Work and clearly demonstrate adequate good faith efforts. The queue protection truck is expected to alert motorists (inside or outside of project limits) of all stopped traffic caused by Work activities or incidents within the project limits.

Equipment

Provide a minimum of one (1) queue protection truck for each traveling direction where traffic flow is reduced. One (1) additional queue protection truck shall be onsite in reserve. The system deployed must fulfill the following minimum requirements:

1. A truck mounted attenuator that meets the requirements of and be listed on the Department's Qualified Products List.
2. Four (4) strobe lights (with auto-dimmers) positioned rear facing
 - a. Two (2) mounted under rear bumper
 - b. Two (2) mounted at cab level
3. One (1) standard cab mounted light bar.
4. A truck mounted message board with a full matrix display and a minimum panel size of 72" W x 35" H mounted as per manufacturer specifications and in accordance with Sections 2L.04 and 6F.60 of the MUTCD for Portable Changeable Message signs
5. All Queue truck operators shall have the following mandatory training:
 - a. Four Hour National Traffic Incident Management (TIM) Responder Training for Queue Truck Operators, or
 - b. Approved equal training program developed by ATSSA, or
 - c. The National Safety Council.

Maintenance of Traffic

The following procedures will be followed until free flow traffic conditions are present: (“free flow” is defined as the absence of a temporary lane or shoulder closure or absence of a temporary shift of traffic lanes with no queue present).

1. The queue protection truck shall be positioned approximately 1/2 mile upstream from the back of the slow moving traffic.
2. The queue protection truck shall be positioned on the shoulder and clear of the traveled way so as not to impede traffic.
3. The queue protection truck shall relocate as needed to maintain approximately 1/2 mile distance from the back of the slow moving traffic.
4. The 2nd queue protection truck shall be held in reserve, on site, and support the primary truck if conditions prevent repositioning by reverse or if the primary truck is otherwise unable to effectively manage the queue. This truck shall not be paid for idle time.
5. Trucks shall be staged within project limits during planned lane closures and other project activities expected to cause a queue.
6. Queue length estimates and traffic conditions shall be reported to the Engineer or designee at the following periods:
 - a. At 30 minute intervals.
 - b. At significant changes.
 - c. When free flow traffic is achieved.

The Queue Protection Truck shall be mobilized as directed by the Engineer or designee and shall be de-mobilized when free flow conditions are reached.

Method of Measurement

The Department will measure, by the day, the Queue Protection Truck, for each truck providing queue protection. Idle or standby time shall be included in the bid price. A day is defined as a work shift.

Basis of Payment

The Department will pay for accepted quantities, complete in place, at the contract prices as follows:

Item No.	Description	Unit
712-08.12	QUEUE PROTECTION TRUCK	DAY

Such payment will be full compensation for all work specified including labor, materials, equipment, tools, and incidentals to complete the work.