ITEM #1806226A – Pre-warning vehicle

 Description: Work under this item shall include furnishing, deploying and maintaining a Truck-Mounted Impact Attenuator equipped with a changeable message sign (CMS) for use as a Pre-Warning Vehicle (PWV) in a rolling road block operation on limited access highways. Impact attenuators shall only be truck-mounted. The message on the sign shall warn motorists of slow or stopped traffic conditions. The Pre-Warning Vehicle will only be paid as such when used as specified herein.

 Materials: The Truck-Mounted Impact Attenuator shall meet the requirements of Article 18.06.02, except replace all instances of “flashing arrow,” “arrow sign,” and “arrow” with “CMS”.

 The CMS shall meet the requirements of Article 11.31.02, with the following amendments:

1. **Physical** **Characteristics of the CMS**
2. Mounting – The CMS shall be truck mounted only
3. Sign Display Dimensions – Variable sign size to meet legend requirements as specified below
4. **Visual Characteristics of the CMS Display**
5. Sign Type – CMS shall have a LED display only
6. Color – CMS shall have black background with orange, yellow, or amber legend
7. Characters – Letter height shall be at least 10 inches; Single stroke
8. Visibility– CMS brightness must provide for visibility at 1/2 mile
9. Message – The message shall read as follows, or shall be as directed by the Engineer:

Frame 1: SLOW TRAFFIC AHEAD

Frame 2: PREPARE TO STOP

 Or

Frame 1: STOPPED TRAFFIC AHEAD

Frame 2: PREPARE TO STOP

 Construction Methods: The PWV shall be initially positioned in the right shoulder ½ mile prior to the rolling road block operation.

 If a traffic queue reaches the PWV’s initial location, the Contractor shall slowly reverse the PWV along the shoulder to position itself prior to the new back of queue.

 The Contractor shall meet the requirements of Article 18.06.03.

 **Method of Measurement:** This work will be measured for payment by the actual number of hours that the Pre-Warning Vehicle is used in a rolling road block operation during traffic pattern setup and removal. The vehicle may be left in place while not in a rolling road block operation but will be paid for under the item “Truck-Mounted or Trailer-Mounted Impact Attenuator” or under the item “Arrow Board” provided it meets the Contract requirements.

 Basis of Payment: This work will be paid for at the Contract unit price per hour for “Pre-Warning Vehicle,” which shall include the furnishing and use of the pre-warning vehicle and a driver, attenuator reflector, flashing lights, changeable message sign, and all equipment, materials, tools, labor, disposal of damaged Truck-Mounted Impact Attenuator components and work incidental thereto.

 Pay Item Pay Unit

Pre-Warning Vehicle hr