

# Snow Plow Simulator Training

Purpose: This contract shall provide for qualified instructors to train Tennessee Department of Transportation (TDOT) employees on proper snow plow operation techniques using a snow plow simulator to increase safety and efficiency during the winter storm events.

## Contractor Requirements:

Contractor shall provide a self-contained training trailer/truck with two simulators that will accommodate four students at a time. Training class shall not exceed four (4) and number per day shall not exceed eight (8).

Simulator shall provide the ability to customize training scenarios. Simulator shall provide training for all experience levels of snow plow operators. Scenarios shall include multi-lane highways, two lane roads, and bridges; daytime and nighttime conditions; snow, ice, fog and white outs; and various levels of traffic. Simulator shall also have the ability to train for various types of snow equipment and configurations including standard and automatic transmissions, plow up/down, spreader control with blast button, as well as situations such as tire blow outs or collisions. The simulator shall be designed to provide realism and responsiveness. This shall be achieved thru the use of a realistic training environment that includes seat, steering wheel, brake and accelerator pedals with immediate, detailed performance feedback thru multiple synchronized 2D and 3D monitors.

Upon award, the vendor shall be responsible to provide a final classroom agenda to Richard Howell for final approval. The agenda should be sent to [Richard.Howell@tn.gov](mailto:Richard.Howell@tn.gov) The Regional Operations Engineer listed below should receive a copy of the agenda once it has been approved by Mr. Howell.

Instructor(s) shall be certified to train on the system being bid by the contractor. A four hour training course shall be conducted for each class and shall include post performance assessment and snow plow specific scenarios. Instructors shall use instructor-led materials, computer based training and simulation training.

Training will take place in mobile training unit at each of the TDOT four Regional facilities between September 1, 2015 and December 31, 2015. Training will be conducted in Region 1 first and will move in numerical order across the state. Facility locations and contacts are as follows.

TDOT Region 1  
7345 Region Lane  
Knoxville, TN 37914  
Ben Price: 865-594-2400

TDOT Region 2  
4005 Cromwell Road  
Chattanooga, TN 37425  
Gwen Whittaker: 423-510-1218

TDOT Region 3  
6601 Centennial Blvd.  
Nashville, TN 37243  
Shay Deason: 615-350-4342

TDOT Region 4  
300 Benchmark Place  
Jackson, TN 38301  
Jason Baker: 731-935-0191

Once training has begun at a location contractor will continue training at the location until all operators have completed the class. Mutually agreed upon dates will be selected upon award of contract and training will run consecutive work days until all Regions are completed.

Mobilization:

Successful bidder will be allowed one mobilization fee to cover all four Regions.

TDOT Requirements:

TDOT will provide space to park the mobile training center at each location. (Training center is to be self –sufficient so no electrical hook-ups will be required).

Each Regional Operations Engineer or their designee shall coordinate dates for training and will provide a list and time for each operator to attend. Maximum

number of operators to attend training shall be eighty (80) per region. The state guarantees a minimum of fifty (50) per region. Upon presentation of the list of operators, the State shall be responsible for no-shows. Note: The state reserves the right to substitute trainees.