

Steve,

Thank you for your willingness to forward this opportunity for **free simulator training** to the Houston Council of Safety Professionals.

Lone Star College-North Harris (LSC-NH) is working with the Texas Workforce Commission (TWC) to write and likely receive a grant to offer Motion Based Simulator Training for experienced truck drivers in partnership with local carriers. LSC-NH is seeking companies who would be willing to send their drivers through a day of training to help them improve in areas of driving deficiencies determined by the company.



Simulators are a complementary training option and a viable asset in improving professionalism and industry attractiveness. Simulators have often been associated with airline pilots and military personnel. However, now they are being used extensively by the trucking industry in other countries and around the world. Lone Star College-North Harris wants to make simulator training accessible in hard economic times to the motor carriers that we serve.

It only takes one accident to affect the bottom line. There are multiple areas of the company that are affected when an accident occurs: **Operation and Maintenance Costs, Workers Compensation, and Increased Insurance Premiums.**

HOW CAN SIMULATOR TRAINING HELP?

Motion-Based Driving Training Simulator combines a fully operational truck cab with the latest digital simulation technology to create life-like training scenarios that improve driving behavior and skill.

The Mark III uses high resolution projection imaging on three screens to create a 180 degree field of vision that is expandable to 360 degree. Two LCD side mirrors simulate the rear view from the truck cab. Users can select from a variety of visual environments, training scenarios and special effects including extreme weather conditions. Audio and vibration systems add accurate driving noise and feel. Users can choose from more than 140 transmissions, 240 engines and 33 axle ratios. Closed-circuit television allows observers to watch the driver from the operator console.

This simulator generates an opportunity to train and assess current and new drivers through a range of simulated exercises. Training programs are structured to incorporate computer based, instructor-led, and simulated scenarios to enhance the learning process. Combines a fully operational-truck cab with the latest digital simulation technology, therefore creating life-like training scenarios that improve driving behaviors and skills.

The trainee will be able to:

1. Experience real-life situations impossible to demonstrate in reality due to the risk to personnel, equipment or the general public. For example, rollover or icy roads.
2. Have activity and response to different issues such as: road positioning, signals, braking, acceleration and gear selection monitored and corrected as necessary.
3. Watch and learn from a replay simulation to demonstrative drivers' actions and responses to potential hazards in the scenarios.
4. Experience life-like audio and vibration systems that add accurate driving noise and feel of an actual truck.
5. Improve decisions making skills, and add hands on practical training for drivers.
6. Continuously repeat training scenarios until the driver demonstrates appropriate behavior. This enables the drivers to gain a clear understanding of the results of their actions.

Driver training program includes a unique combination of state-of-the-art simulation, Computer Based Training and classroom instruction. Drivers receive realistic training in risk-free environment.

WHY?

1. For an industry that is suffering from a shortage of highly skilled drivers, rising costs and increasingly demanding business practices, simulator training provides an excellent opportunity to eliminate avoidable costs through improved driver training, retention and performance.



WHERE:

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TRAINING FACTS:

- Training option days, Monday-Sunday
- Time- 9 hours per person, 1 day - 7AM – 5PM (1 hour lunch)
- Requires company to send 4 drivers at a time to complete training
- **\$1,200/driver training value. FREE to trucking company participants**
- Company will be able to choose 3 of 7 modules of training for drivers to complete making this training customizable to the companies needs. *Modules of training include: Circle of Influence (Decision Driving), Shifting Techniques, Fuel Management, Speed Management, Space Management, Adverse Conditions, and Emergency Maneuvers. (Descriptions are available)*

IS YOUR COMPANY INTERESTED IN PARTICIPATING?

Please call Lorie right away. LSC-NH has been encouraged by TWC to apply for this grant. They want to help drivers continue to develop, improve habits and safety performance.

We've been given only a few days to submit the names of participating companies as well as the number of drivers they will commit to allow us to train over the course of a year. Please don't hesitate to call me with any questions. I look forward to hearing from you and working with you!
Lorie Qualls