

MOBILE COUNTY COMMISSION

205 Government Street 8TH FL South
Mobile, Alabama 36644

BID INVITATION

NO. 22-24

April 22, 2024

In accordance with General Act No. 217, Special Session 1967, notice is hereby given that the Mobile County Commission, Mobile, Alabama, will receive bids on the following items: **MINIMUM OF ONE (1) NEW TRUCK/EQUIPMENT DRIVING SIMULATOR AND ONE (1) NEW LAW ENFORCEMENT & VEHICLE DRIVING SIMULATOR WITH TRAINING BID FOR MOBILE COUNTY RISK MANAGEMENT AS PER ATTACHED SPECIFICATIONS:**

Any questions or comments concerning the bid requirements must be brought to the attention of Susan Holland, Purchasing Agent, 205 Government Street, 8th FL South, Mobile, Alabama 36644, susan.holland@mobilecountyal.gov prior to the bid opening or will be forever waived.

All bidders shall furnish a five percent (5%) bid bond on any contract exceeding \$30,000.00: provided that bonding is available for services, equipment or materials. Bid bond will be accepted in the form of a certified check, cashier's check, or postal money order, etc.

Out of State Corporations shall furnish a Certificate of Authority to transact business in the State of Alabama. Out of State limited liability companies shall furnish proof of registration to transact business in this state. Alabama law requires that a successful bidder, if it has employees in the State of Alabama, provide proof of enrollment in E-Verify prior to the award of a contract. (See enclosed notice which must be completed, signed and returned with your bid.)

If applicable to a contract resulting from this invitation, the successful bidder must comply with the Contractor Felony Investigation Policy, available in the Purchasing Department or at www.mobilecountyal.gov.

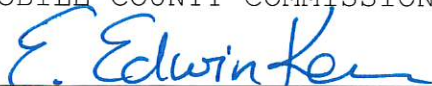
THE MOBILE COUNTY COMMISSION DOES NOT DISCRIMINATE ON THE BASIS OF RACE, AGE, SEX, NATIONAL ORIGIN, RELIGION, OR DISABILITIES.

F.O.B. Mobile DATE OF DELIVERY _____ TERMS _____ You are invited to bid on the above specifications. The restrictions contained herein are for the purpose of fixing a quality level, and any deviation therefrom must, in detail establish that it meets the quality requirements.

BIDS WILL BE RECEIVED UNTIL 10:00 A.M. May 15, _____ 2024.

ALL BIDS MUST BE SEALED, "BID NUMBER, COMPANY'S NAME, AND NAME OF THE BID ITEM MARKED ON THE OUTSIDE OF THE ENVELOPE." THE BIDDER WILL RETURN THE ENTIRE BID PACKAGE. BIDS MUST BE DELIVERED TO THE RECEPTIONIST IN THE OFFICE OF THE COUNTY COMMISSION ADMINISTRATOR, 205 GOVERNMENT STREET ON THE EIGHTH FLOOR SOUTH TOWER OF THE MOBILE COUNTY GOVERNMENT PLAZA. FAILURE TO OBSERVE THE ABOVE INSTRUCTIONS WILL CONSTITUTE GROUNDS FOR REJECTION OF YOUR BID. THE COMMISSION RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.

MOBILE COUNTY COMMISSION



E. EDWIN KERR, INTERIM COUNTY ADMINISTRATOR

We propose to meet the above specifications for the sum of

\$see attached.

Delivery can be made in _____ days from receipt of order.

RESPECTFULLY

BY _____



IMPORTANT

**THIS DOCUMENT MUST BE COMPLETED,
SIGNED AND RETURNED WITH YOUR BID**

As a condition for the award of a competitively bid contract to a company having one or more employees in the State of Alabama, the Beason-Hammon Alabama Taxpayer Citizenship and Protection Act, codified at Section 31-13-1, et seq., Code of Alabama (1975), as amended, requires that the company provide, in advance, proof of enrollment in E-Verify. E-Verify is an internet based system operated by the U.S. Department of Homeland Security, which may be used to determine the eligibility of new hires to work in the United States. Further information about enrollment in E-Verify may be found at www.uscis.gov/everify and www.Verify.Alabama.gov.

As proof of enrollment in E-Verify, Mobile County requires a copy of the electronically signed signature page of the contractor's Memorandum of Understanding with the U.S. Department of Homeland Security or Alabama Department of Homeland Security (contractors having fewer than 25 employees may enroll in E-Verify through the state Department of Homeland Security).

Please complete the following and return with your bid:

_____ (company name) has no employees in the
State of Alabama

Or

_____ (company name) is enrolled in E-Verify and a
copy of the electronically signed signature page of the company's Memorandum of Understanding is
attached.

Date	Signature	Title
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SAMPLE

E-Verify



Company ID Number: 477783

To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Mobile County Commission

Connie Hudson

Name (Please Type or Print)

Title

Electronically Signed

12/21/2011

Signature

Date

Department of Homeland Security – Verification Division

USCIS Verification Division

Name (Please Type or Print)

Title

Electronically Signed

12/21/2011

Signature

Date

Information Required for the E-Verify Program

Information relating to your Company:

Company Name: Mobile County Commission

Company Facility Address: 205 Government Street

6th Floor South Tower

Mobile, AL 36644

Company Alternate Address:

County or Parish: MOBILE

Employer Identification

Number: 536001644

Date: _____

BID # 22-24

MINIMUM OF ONE (1) NEW TRUCK/EQUIPMENT DRIVING SIMULATOR AND ONE (1) NEW LAW ENFORCEMENT & VEHICLE SIMULATOR TRAINING BID FOR MOBILE COUNTY RISK MANAGEMENT DEPARTMENT:

Name of Company: _____

Company Representative _____
(Print)

Company Representative _____
(Signature)

Address _____

Phone Number() _____ Fax Number() _____

Federal ID Number _____

Email Address _____

Company Web Address _____

Please attach a current W-9.

Specification for Fully Shrouded Truck Driving and Heavy Equipment Simulator Training System and Related Components

General Overview:

The following are specifications for Freightliner Cascadia Evolution OEM replica components.

- A. Key Assembly – Products preferred manufactured in the USA. 180° - 230° field of view on 4K LCD screens. Real time graphics with high resolution of environment combining look and feel of actual commercial vehicle. High resolution of environment enhancing visual and learning objectives. Real time engine graphic. Force-loaded and full feedback steering, transmission, pedals during driver training scenarios. Realtime dynamics with reactions proven by real-world engineering results. Multiple user-selectable vehicle training configurations including every permutation of tractor, trailer, dump truck, engine, transmission, axle, loaded and unloaded situations. Changing and challenging weather conditions (rain, fog, ice, smoke), road/traffic environment to urban, suburban, rural, mountains, interstate, dirt & paved multi-lane roads with ability to change environment conditions (day, night, dawn, dusk, sun glare). The intent of this specification is for a complete training unit to include all possible elements required to allow scenario training to current and potential vehicle operators.
- B. Training System Assembly - shall consist of comprehensive performance assessment tools and replay software. Software that tailors scenarios to the customer's fleet. Advance assessment software that records and scores a driver's performance based on a set of training objectives set by policy and current state laws. The intent is for a complete unit that includes all potential and current training elements available for required safe driver operations installation and adaptations.
- C. Technology Assembly – Modern dash that presents real automotive parts including steering column/wheel with foot adjustments, Auto Transmission Lever (AMT), 3-point seat belt, pedals with under-dash lighting. Advanced commercial vehicle systems including e-coast, lane departure warning, collision avoidance warning. Four to eighteen speed multi-gear transmission, economical shifting instruction using Eaton controls or current commercial standard. Digital dashboard allowing operations of multiple vehicle types that includes accurate gauges and instrumentation. Student or instructor control of the simulator via touch screen at the operator's console and simple, quick control to change vehicle type, scenarios, settings, and lesson plans. Optimal three-axis motion base with 120 Hz update rate and four independently controlled actuators. Immersive and three-dimensional, 5.1 channel surround sound. The intent of this specification is for the best option in presenting current training scenarios with the best options for upgrading the training system.

Training Systems:

Instructor Operating System (IOS)

Fully shrouded, realistic driver/student compartment/cabin.

Intel i7 4.9 GHz processor, NVMe SSD, GeForce RTX 4070 video and graphics.

Replica Freightliner Cascadia Evolution Dashboard.

OEM seat, restraint, steering wheel, pedals, brake and transmission controls.

360 – degree immersive virtual system (180-degrees forward + rear-view mirrors with virtual pan, and over the shoulder view), presented on 4K Ultra High-definition displays.

Definition displays.

Realistic, software defined instrumentation for each vehicle.

Operator touch-screen interface for driver scenario and instruction control with unique vehicle interfaces.

Freightliner OEM transmission control.

5.14 surround sound with tactile vibration transducer.

Force-feedback pneumatic and hydraulic braking.

Force-feedback, realistic steering.

OEM, responsive and realistic clutch, and accelerator pedals.

Advanced engine graphics with industry-best realism and detail.

Automotive physics engine with real vehicle and payload behavior.

Minimum 300 commercial vehicle inventory.

Baseline Urban, Suburban, Rural, Interstate virtual environments.

Hundreds of simulated impeding conditions, obstacles, malfunctions including all possible weather conditions.
Scenarios including RR crossings, brake failure, etc.
Minimum 200 pedagogical rigorous scenarios.
Scenario builder software allowing customer to customize and build from scratch curriculum.
Baseline, single page individual assessment and scoring.
Full control of lesson plans, scenario presentation and student database.
Virtual Environment Expansion-Airports, construction site, Highway Work Zone, dirt road (wide and narrow) and other available virtual environments.

Hardware Assembly:

The virtual transmission must include a range of 4-18 speeds (Eaton, OEM.).
The assembly must include a Gen3motion base or current greater technology. (One per simulator).

Software Assembly or Options:

Assessment Software (no cost option, one per IOS). Includes assessment software with student evaluation and extended reporting continuously monitoring minimum 40 driving behavior parameters.

Content Packages:

Trucking Vehicles Expansion Package (1 per IOS)
Concrete truck, generic car/equipment hauler, trucking delivery, oversize load.
SMART Defensive Driving.

Services:

Standard Installation (included). Installation (one site, coincides with training).
Basic Maintenance and Operations Training – On Site. Up to 2 consecutive days and up to 4 people.
Train the Trainer on Site Instruction. Additional days consecutive with 1st week.
Lifetime Customer Support (Per Simulator). Software updates included – work hours.
Full-Service Warranty (per simulator). Three (3) Year Premium Full-Service Warranty included to begin once installation is complete. Includes parts and field service maintenance. Priority shipment. Software updates and remote installation.
Shipping & Handling (single site only per unit).

Specification for Fully Shrouded Law Enforcement & Vehicle Simulator Training System and Related Components

General Overview:

The following are specifications for Freightliner Cascadia Evolution OEM replica components.

- A. Key Assembly – Products preferred manufactured in the USA. 180° - 230° field of view on 4K LCD screens. Real time graphics with high resolution of environment combining look and feel of actual law enforcement vehicle. High resolution of environment enhancing visual and learning objectives. Real time engine graphic. Force-loaded steering with advanced vehicle dynamics validated against OEM test track performance data providing real-time feedback to the driver. MDC touchscreen display, adjustable console panels for siren and light controls, and VON radio controls. Changing and challenging weather conditions (rain, fog, ice, smoke), road/traffic environment to urban, suburban, rural, mountains, interstate, dirt & paved multi-lane roads with ability to change environment conditions (day, night, dawn, dusk, sun glare). The intent of this specification is for a complete training unit to include all possible elements required to allow scenario training to current and potential vehicle operators.
- B. Training System Assembly - shall consist of comprehensive performance assessment tools and replay software. Software that tailors scenarios to the customer's fleet. Advance assessment software that records and scores a driver's performance based on a set of training objectives set by policy and current state laws. The intent is for a complete unit that includes all potential and current training elements available for required safe driver operations installation and adaptations.

- C. Technology Assembly – Digital dashboard allowing operations of multiple vehicle types that includes accurate gauges and instrumentation. Student or instructor control of the simulator via touch screen at the operator’s console and simple, quick control to change vehicle type, scenarios, settings, and lesson plans. Optimal three-axis motion base with 120 Hz update rate and four independently controlled actuators. Immersive and three-dimensional channel surround sound. The intent of this specification is for the best option in presenting current training scenarios with the best options for upgrading the training system.

Training Systems:

Instructor Operating System (IOS)

Fully shrouded, realistic driver/student compartment/cabin.
Intel i7 4.9 GHz processor, NVM3 SSD, GeForce RTX 4070 video and graphics.
Replica Ford Police Interceptor Dashboard, Seat, Radio.
Automotive OEM seat, restraint, steering wheel, pedals, brake and transmission controls.
360 – degree immersive virtual system (180-degrees forward + rear-view mirrors with virtual pan, and over the shoulder view), presented on 4K Ultra High-definition displays.
Definition displays.
Realistic, software defined instrumentation for each vehicle.
Operator touch-screen interface for driver scenario and instruction control with unique vehicle interfaces.
Ford OEM transmission control.
5.1 surround sound with tactile vibration transducer.
Force-feedback braking.
Force-feedback, realistic steering.
OEM, responsive and realistic accelerator pedals.
Advanced engine graphics with industry-best realism and detail.
Automotive physics engine with real vehicle behavior.
Current vehicles make inventory in use.
Baseline Urban, Suburban, Rural, Interstate virtual environments.
Hundreds of simulated impeding conditions, obstacles, malfunctions including all possible weather conditions.
Scenarios including RR crossings, brake failure, etc.
Minimum 200 pedagogical rigorous scenarios.
Scenario builder software allowing customers to customize and build from scratch curriculum.
Complete scenario recording and playback with DVR functionality.
Baseline, single page individual assessment and scoring.
Full control of lesson plans, scenario presentation and student database.
Law Enforcement bundle.
Law Enforcement Vehicles.
PIT Maneuver.
EVP 2 Scenarios.
Skills Range/Driving Track.
POST Certified Scenarios.
Novice scenarios.
DUI Scenarios.
EMS Scenarios.
Virtual Environment Expansion-Airports, construction site, Highway Work Zone, dirt road (wide and narrow) and other available virtual environments.

Hardware Assembly:

The assembly must include a Gen3motion base or current greater technology. (One per simulator).

Software Assembly or Options:

Assessment Software (no cost option, one per IOS). Includes assessment software with student evaluation and extended reporting continuously monitoring minimum 40 driving behavior parameters.

Content Packages:

Pursuit Course (1 per IOS).

General Light Vehicles, Pickup trucks, minivan, SUV, delivery van, utility vehicles.

Services:

Standard Installation (included). Installation (one site, coincides with training).

Basic Maintenance and Operations Training – On Site. Up to 2 consecutive days and up to 4 people.

Train the Trainer on Site Instruction. Additional days consecutive with 1st week.

Lifetime Customer Support (Per Simulator). Software updates included – work hours.

Full-Service Warranty (per simulator). Three Year Premium Full-Service Warranty included to begin once installation is complete. Includes parts and field service maintenance. Priority shipment. Software updates and remote installation.

Shipping & Handling (single site only per unit).

****THIS IS AN ALL OR NONE BID****

Please note that the last day to submit questions pertaining to the bid is Friday May 10, 2024.

TRUCK DRIVING & HEAVY EQUIPMENT SIMULATOR	\$	PER UNIT
LAW ENFORCEMENT & VEHICLE SIMULATOR	\$	PER UNIT