

# LEO Driving Simulator Proposal

## PatrolSim 8™ Law Enforcement Driving Simulator

This simulator would allow Criminal Justice students, as well as other students, or industry partners to benefit from access to a realistic, scenario-based training within a controlled and safe environment. This hands-on experience enhances classroom learning and better prepares students for real-world careers. At this time, no other community college in Kansas has this simulator and our industry partners do not have access to such a simulator. During Advisory Board meetings, our partners have fully supported this opportunity and would also like to be able to receive non-credit training on this device.

- Total Cost: **\$98,600** (Discounted from an original price of \$124,000)
- [Sole Source letter](#) provided by the vendor
- Independently reached out to previous customers of this product and the feedback was positive.

### **Criminal Justice Program Benefit:**

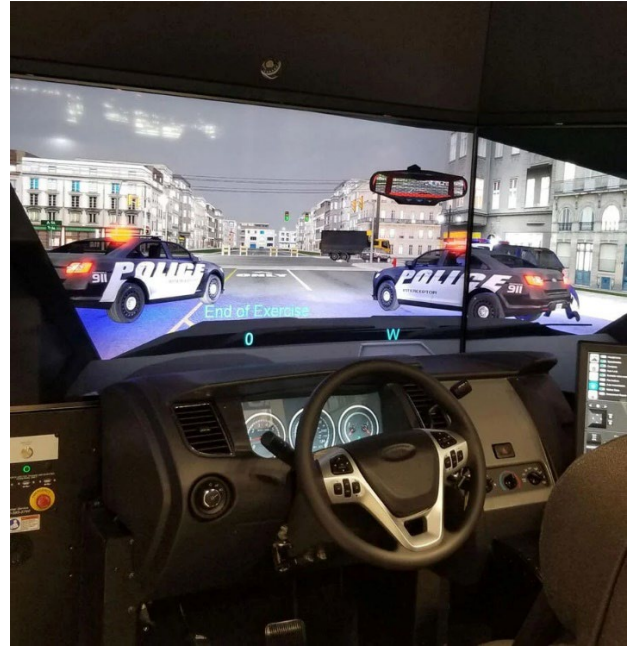
- **Student Impact:** Criminal Justice students, and potentially other students across campus, would benefit from access to a driving simulator by engaging in realistic, scenario-based training within a controlled and safe environment. This hands-on experience enhances classroom learning and better prepares students for real-world careers.
  - When proposing the “what if” to students, responses were positive with feedback indicating students would find it to be useful for courses and would have been more likely to choose Barton Criminal Justice over other college criminal justice programs.
- **Non-Credit Training Impact:** There is a clear gap in emergency vehicle operations training within our service area and beyond. This simulator provides an opportunity to offer non-credit refresher courses to current professionals, meeting a growing demand for continued skill development in this critical area.

**Community Partnership Impact:** Conversations with industry partners have highlighted a strong interest in this type of training. Law enforcement officers often receive minimal follow-up training after their initial EVOC (Emergency Vehicle Operation Course). This equipment would help fill that gap, offering ongoing skill-building that our partners view as highly valuable. Partner quotes are included below:

- **Chief Haulmark, GBPD:** *“Access to a driving simulator would represent a significant advancement for our department. It would provide our officers with the opportunity to train for high-risk/real scenarios within a safe and controlled environment...where errors become learning experiences rather than tragedies”*
- **Chief Bachar, HPD:** *“I believe the purchase of an EVOC simulator by Barton Community College would provide a significant training benefit to the Hoisington Police Department. Having access to a simulator allows officers to practice high-risk driving scenarios such as emergency response, pursuits, and adverse weather conditions, in a controlled and safe environment without the costs or risks associated with live-vehicle training. This technology improves officer safety, improves decision-making skills, reduces liability, and supports consistent, high-quality training while strengthening the partnership between Barton Community College and local law enforcement agencies.”*

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**Barton Program Partnership:** A unique feature of this simulator is the ability to use the system for EMS training. The simulator will have the vehicle library and scenario library for EMS and Fire. This feature is included as a standard offering at no extra cost.



PatrolSim 8™ interactive driving simulator provides a high-fidelity, real-world driving environments for training Law enforcement. The PatrolSim 8 features a variety of police vehicles and scenarios. These scenarios include pursuit, active shooter response, emergency response, PIT maneuvers, defensive driving, and more.

Simulation-based training enhances officer safety and training. It's a proven tool that minimizes the number and severity of crashes, allowing trainers to standardize curriculum and training while measuring performance.

The modular, configurable, and ergonomic design of the PatrolSim™ simulator provides a replica of an actual police cruiser driving compartment. The PatrolSim 8™ accurately simulates both the vehicle's physical and functional characteristics. It also automatically adjusts its behavior to the size, weight, turning radius, eye-point, towing, and tire and suspension characteristics for each vehicle selected.

## Standard features include:

**Displays** – Features three 55" Ultra High-Resolution LED LCD wide-aspect ratio monitors with a resolution of 1920 x 1080 (HD 1080), provide sharp, bright, high-contrast images with a 180-220-degree FOV and 360-degree virtual FOV. Two additional screens available with over-the-shoulder for 300 degrees total FOV.

**Graphics & Environments**– Utilizing the Unreal engine, we provide the most realistic driving graphics in the industry.

Enhanced refresh rates mitigates SAS. Realistic and versatile virtual environments are provided to support the effective recreation of

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real-world conditions. These include urban, suburban, mountain, desert, rural, and freeway environments.

**Real-Drive Motion** – Features the most realistic motion platform using 3DOF and DBOX technology to simulate the real-drive motion of the vehicle simulator.

**Glass Dash** – An LCD virtual dashboard that provides accurate gauges, control indicators, and warning lights of each vehicle selected. The glass dash automatically changes to mimic the dashboard of the specific vehicle selected.

**Real World Vehicle Components**– Drivers are able to focus on training objectives while using real world vehicle components including an adjustable commercial vehicle air seat with 3-point seat belt, accelerator, brake, and clutch pedals, and a force loaded steering column with tilt, auto transmission lever on the column, turn signal lever, and hazard flashers.

**Touch screen** – Password protect-able touch panel allows the instructor and/or student full control from the driving compartment including the ability to load scenarios, modify vehicles selected.

**Scenario Builder Tool** – Custom scenario creation, expansion, and modification can be easily accomplished using the provided scenario generation tool.

**Instructor Operator Station (IOS)** – The included IOS provides an easy, non-intimidating instructional flow to start the simulator, monitor the training progress, choose scenarios, change scenario conditions, change vehicle, and interact with the driver in real time.

**Standard Terms:** Budgetary pricing is valid for 90 days.

Delivery estimate is 90-120 days. Prices do not include any applicable taxes.

**Custom Configurations:** Driver Training Solutions offers numerous hardware and software options to increase training capabilities, including motion, mobile training centers, and training content. Our team is also available to provide additional training services and expertise to meet your organizational needs.

**Recommendation:** The Board approve the purchase of the PatrolSim8 Driving Simulator for the Criminal Justice program in the amount of \$98,600 to be purchased with Business & Industry Funds.