

AGENDA ITEM 25

Consider awarding proposals received for the Driving Simulation System for the Sheriff's Office to the low proposer meeting specifications - GE Driver Development.

Jeff Pearson, a representative from the Sheriff's Office, addressed the Court regarding this equipment, which provides multiple-driver interaction training.

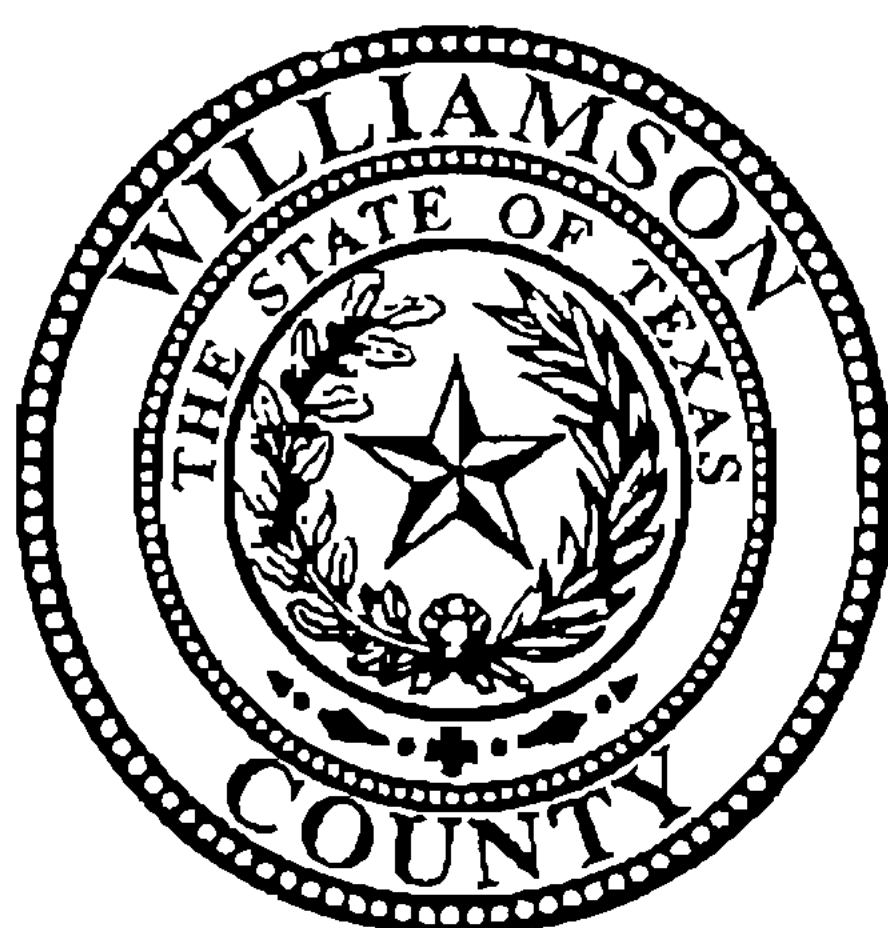
Moved: **Judge Doerfler**

Seconded: **Commissioner Curlee**

Motion: To award proposals received for the Driving Simulation System for the Sheriff's Office to the low proposer meeting specifications - GE Driver Development.

Vote: 3 - 0

< Attachment >



**WILLIAMSON COUNTY
JUDGE'S OFFICE
710 MAIN STREET, SECOND FLOOR
GEORGETOWN, TEXAS 78626**

AGENDA ITEM REQUEST FORM

REQUESTING DEPARTMENT: AUDITORS DATE: 1/21/04

NAME OF REQUESTOR: GINNY ATKINSON

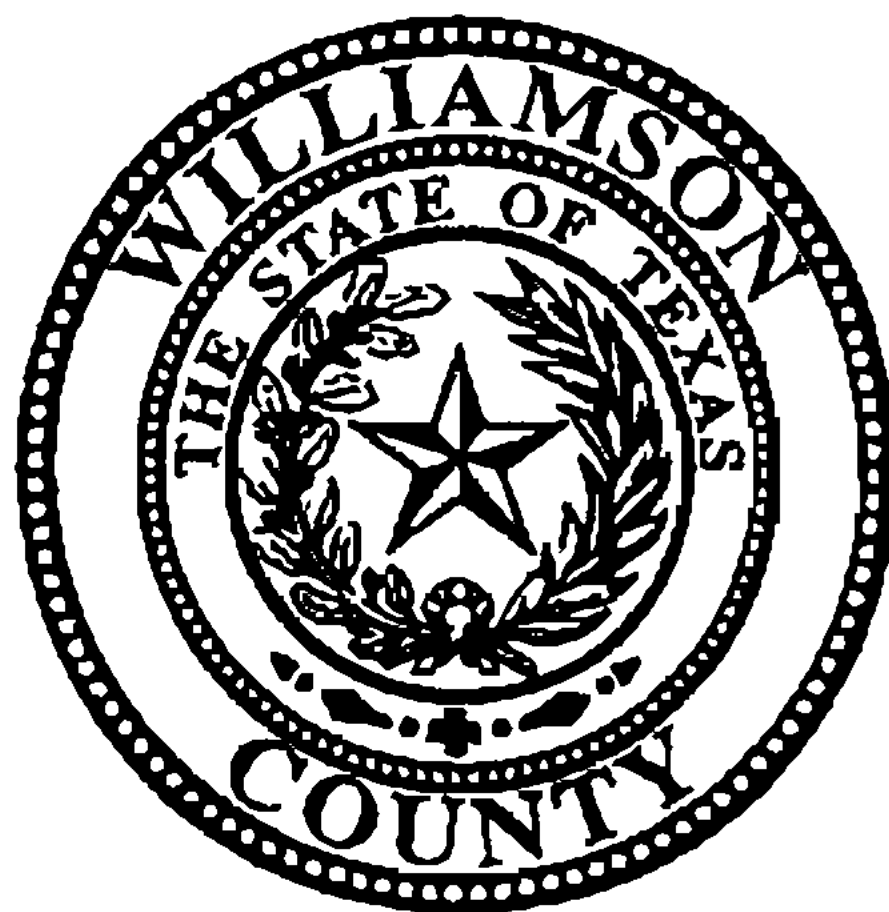
REQUESTED AGENDA DATE: JANUARY 27, 2004

REQUESTED ITEM(S): _____

1. Consider authorizing advertising and setting date of March 3, 2004 at 2:00pm in the Auditor's Office to recognize proposals received for Risk Assessment Services.
2. Consider awarding bids received for the Bridge Project – County Road 152 to the low bidder meeting specifications – Chasco Contracting.
3. Consider awarding proposals received for the Driving Simulation System for the Sheriff's Office to the low proposer meeting specifications – GE Driver Development.

*approved 1-27-04
John C. Doerfler*

AGENDA ITEM REQUEST DEADLINE - 12 NOON ON THURSDAY



**WILLIAMSON COUNTY AUDITOR'S OFFICE
PURCHASING DEPARTMENT
710 MAIN STREET - SUITE 303
GEORGETOWN, TEXAS 78626**

<http://www.williamson-county.org/Procurement>

**DRIVING SIMULATION SYSTEM
FOR THE WILLIAMSON COUNTY SHERIFF'S OFFICE**

COPY

PROPOSAL NUMBER: 04WCP4203

PROPOSAL OPENING DATE & TIME: JANUARY 14, 2004 - 2:00 PM

ADDENDUM # 1

January 8, 2004

PERFORMANCE AND PAYMENT BONDS: The performance and payment bonds requirement is being changed. The bonds will not be mandatory, but will be treated as an alternate proposal. Please replace the proposal form in the original packet with the attached proposal form.

RESPONSE TO QUESTIONS:

Specification 4.0 - Audiovisual System

4.1 states a 180 degree field-of-view

Compliance list 4.1 states a 225 degree field-of-view

The Compliance list 4.1 should read 180 degree field-of-view

Specification 8.0 - Containment System

8.1 states a 16 foot wide by 48 (40) foot long structure

8.1 should read 16 foot wide by forty eight (48) foot long structure

Structure will be placed on a caliche pad.

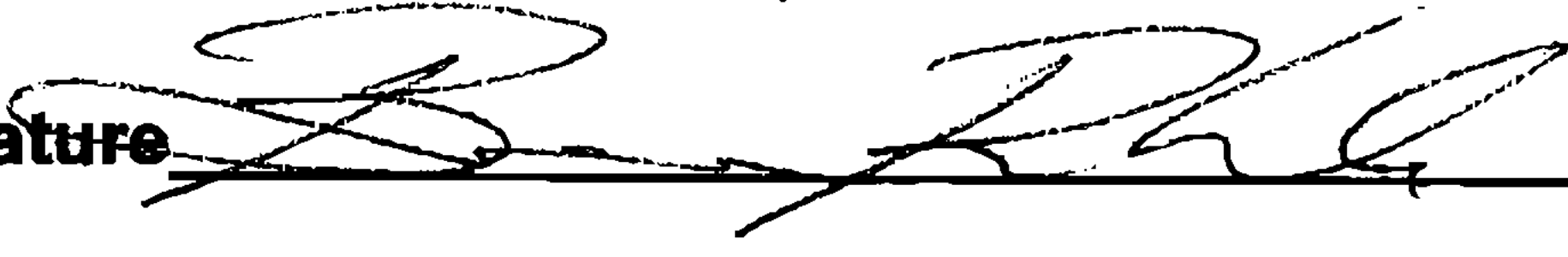
Steps will be required to enter and exit the structure.

The additional space in the structure will be a classroom therefore accommodations (electrical, etc.) will need to be provided.

All proposers must acknowledge receipt of Addendum # 1 of the proposal.

Addendum # 1 dated 1/8/04

Received 1/9/04

Signature 

COMPLETED FORM MUST BE SUBMITTED WITH THE PROPOSAL

Sincerely,

Ginny Atkinson

Ginny Atkinson
Assistant Purchasing Director
Williamson County

WILLIAMSON COUNTY PROPOSAL FORM
DRIVING SIMULATION SYSTEM
FOR THE WILLIAMSON COUNTY SHERIFF'S OFFICE

PROPOSAL NUMBER: 04WCP4203

NAME OF PROPOSER: I-Sim LLC, dba GE Driver Development

Mailing Address: 2961 W California Avenue

City: Salt Lake City State: UT Zip: 84104

Email Address: michael.flavin@ge.com

Telephone: (800) 595-5740 or 801-303-5666 Fax: (801) 994-0294

TOTAL COST OF SYSTEM: \$172,660.00
Cost shall include items 1.0 thru 9.4 - Include freight charges if applicable in cost of system – Do not include cost of bonds

SHOW BREAKDOWN OF SYSTEM COST:	
(2) PatrolSim™ II+ Driver Training simulator	\$139,000.00
Included in price: (9.1)Installation and delivery, (7.1) Scenario Editor Software (including 25 scenario editor revisions), (2.4) Rabbit Car Station, (2.1) Operator's Console (OpCon) and desk, (9.4)Onsite product training for 4-6 people, inkjet printer, (9.4) Onsite product training for 4-6 people, (6.1) EVO I (PatrolSim Std) Scenario Package (80 scenarios), (9.2-9.3)First year full service warranty, (6.2.6) PIT Maneuver Software package, EVP II Scenario Package (30 scenarios).	
(1) Morgan Building or equivalent	\$33,660.00
Meets all specifications lined out in section 8.0 Containment System of RFP. If specs in section 8.0 change, rebid on containment system will be necessary. Building bid is good for until March 14, 2004.	

ALTERNATE PROPOSAL: \$8,633.00
COST OF PERFORMANCE AND PAYMENT BONDS:

TOTAL COST OF SYSTEM INCLUDING BONDS: \$181,293.00
Cost shall include items 1.0 thru 9.4 - Include freight charges if applicable in cost of system – Include cost of bonds

OPTIONS (10.0 THRU 10.3):


	\$5,000 per PatrolSim, per year, after year one	\$10,000.00
COST OF ITEM 10.1:		

	\$5,000 – GE will provide 40" situation display (exceeds RFP spec)	\$5,000.00
COST OF ITEM 10.2		

CHECK ONE OF THE FOLLOWING:

- ☐ low item basis. (Will accept award on "any or all" items.)
- ☒ "all or none" basis. (Will accept award of "all" items only. If left blank, low item will apply.)

The undersigned, by his/her signature, represents that he/she is authorized to bind the proposer to fully comply with the terms and conditions of the attached Request for Proposal, Specifications, and Special Provisions for the amount(s) shown on the accompanying proposal sheet(s). By signing below, you have read the entire document and agreed to the terms therein.

	Date of PROPOSAL: <u>1/13/04</u>
Signature of Person Authorized to Sign Proposal	

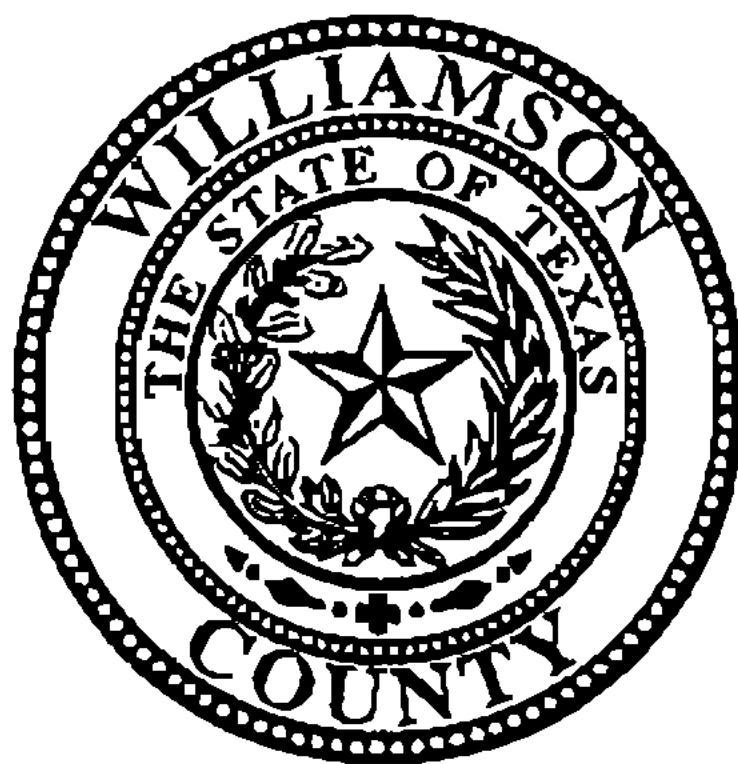
Printed Name and Title of Signer: Brian Runkle, Business Leader, GE Driver Development

DO NOT SIGN OR SUBMIT WITHOUT READING ENTIRE DOCUMENT

Signature required on awarded proposal only.

Hon. John C. Doerfler, County Judge
for the Williamson County Commissioners Court

Date



WILLIAMSON COUNTY AUDITOR'S OFFICE
PURCHASING DEPARTMENT
710 MAIN STREET - SUITE 303
GEORGETOWN, TEXAS 78626

<http://www.williamson-county.org/Procurement>

REQUEST FOR PROPOSAL

DRIVING SIMULATION SYSTEM FOR THE WILLIAMSON COUNTY SHERIFF'S OFFICE

COPY

PROPOSAL NUMBER: 04WCP4203

PROPOSAL OPENING DATE & TIME: JANUARY 14, 2004 – 2:00 PM

PROPOSAL SUBMISSION

DEADLINE: Proposals must be received in the Williamson County Auditor's Office prior to **2:00 PM on Wednesday, January 14, 2004**. At which time the proposals will be publicly acknowledged in the Williamson County Auditor's Office on the 3rd floor of the County Courthouse.

METHODS: Sealed proposals may be hand-delivered or mailed to the *Williamson County Auditor's Office, Attn: Ginny Atkinson – Purchasing, Third (3rd) floor - Suite 303, Williamson County Courthouse (on the square), 710 Main Street, Georgetown, Texas 78626.*

FAX/EMAIL: Facsimile and electronic mail transmittals will not be accepted.

PROPOSAL REQUIREMENTS

QUADRUPLICATE: All proposals must be submitted in quadruplicate (1 original complete proposal set and 3 copies of the proposal set). The proposal sets must be marked "original" or "copy". A "proposal set" consists of the COMPLETED AND SIGNED Proposal Form and any other required documentation.

SEALED: All proposals must be returned in a sealed envelope with the proposal name, number, opening date and time clearly marked on the outside. If an overnight delivery service is used, the proposal name, number, opening date and time must be clearly marked on the outside of the delivery service envelope.

REFERENCES: Williamson County requires proposer to supply with this proposal, a list of at least three (3) references where like services have been supplied by their firm. Include name of firm, address, telephone number and name of representative.

DRIVING SIMULATOR SYSTEM PROPOSAL

LEGIBILITY: Proposals must be legible and of a quality that can be reproduced.

FORMS: All proposals must be submitted on the forms provided in this proposal document. Changes to proposal forms made by proposers shall disqualify the proposal. Proposals cannot be altered or amended after submission deadline.

LATE PROPOSAL: Proposals received after submission deadline will not be opened and will be considered void and unacceptable. Williamson County is not responsible for lateness of mail, courier service, etc.

RESPONSIBILITY: A prospective proposer must affirmatively demonstrate proposers responsibility. A prospective proposer must meet the following requirements:

- a) have adequate financial resources, or the ability to obtain such resources as required;
- b) be able to comply with the required or proposed delivery schedule;
- c) have a satisfactory record of performance;
- d) be otherwise qualified and eligible to receive an award.

Williamson County may request representation and other information sufficient to determine proposer's ability to meet these minimum standards listed above.

AWARD

THIRTY DAYS: Awards should be made approximately thirty (30) days after the proposal opening date. Results maybe obtained by contacting the Purchasing Contact.

REJECTION OR ACCEPTANCE: No more than one proposal will be awarded for any item, single department or area. Proposals may be rejected for some items, departments or areas, even though awards are made for others. The convenience of having a single source for similar items will be taken into consideration together with price in determining the lowest and best proposal.

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all proposals for any or all materials and/or services covered in this proposal request, and to waive informalities or defects in the proposal or to accept such proposal it shall deem to be in the best interest of Williamson County.

CONTRACT: This Proposal, when properly accepted by Williamson County, shall constitute a contract equally binding between the successful proposer and Williamson County.

The successful proposer may be required to sign an additional agreement containing terms necessary to ensure compliance with the proposal.

CONTRACT ADMINISTRATION: Under this contract, Kurt Showalter, Williamson County Auditor's Office, shall be the contract administrator with designated responsibility to ensure compliance with contract requirements, such as but not limited to, acceptance, inspection and delivery. The contract administrator will serve as liaison between Williamson County Commissioner's Court and the successful proposer.

CONTRACT PERIOD(S): The Initial Contract Period is Date of Award through September 30, 2004. Possible extensions include:

October 1, 2004 through September 30, 2005
October 1, 2005 through September 30, 2006

BID CONTACTS

PURCHASING CONTACT:

Ginny Atkinson
710 Main Street - Suite 303
Georgetown, TX 78626
(512) 943-1554
gatkenson@williamson-county.org

TECHNICAL CONTACT:

Jeff Pearson
508 S. Rock Street
Georgetown, TX 78626
(512) 943-1320
jpearson@williamson-county.org

MISCELLANEOUS

FOB DESTINATION: All of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be

included in the price, unless otherwise specified in the Request for Proposal. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB point.

FIRM PRICING: All of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. This price must be good from the date of proposal opening for a fixed period of time. Unless the Proposal expressly states otherwise, this period shall be until the end of the current fiscal year on September 30, 2004. Proposals which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a contract for the period implied or expressly stated in the lowest and best proposal, but for no longer than the current fiscal year.

ESTIMATED QUANTITIES: The estimated quantity of each item listed in the notice is only an estimate -- the actual quantity to be purchased may be more or less. The County is not obligated to purchase any minimum amount, and the County may purchase any reasonable amount greater than the estimate for the same unit price. Any limit on quantities available must be stated expressly in the proposal.

FUNDING: Funds for payment have been provided through the Williamson County budget approved by Commissioners Court for the October 1, 2003 thru September 30, 2004 fiscal year.

SALES TAX: Williamson County is by statute, exempt from the State Sales Tax and Federal Excise Tax.

STATEMENTS: No oral statement of any person shall modify or otherwise change, or affect the terms, conditions, plans and/or specifications stated in the various Proposal Packages and/or Proposal Instructions/Requirements.

DELIVERY: The delivery time and location for the commodity and/or service covered by this proposal shall be as stated in the various proposal packages.

PURCHASE ORDER: If required by the Williamson County Purchasing Department a purchase order(s) may be generated to the successful proposer for products and/or services. If a purchase order is issued the purchase order number must appear on all itemized invoices and/or requests for payment.

PAYMENT: Payment shall be made by check from the County upon satisfactory completion and acceptance of items and submission of the Invoice to the ordering department for work specified by this Contract Document. All payments owed will be paid no later than thirty (30) days after the goods or services are received OR the date that the invoice is received by the Auditor's Office whichever is later. As a minimum, invoices shall include:

- (1) Name, address, and telephone number of Vendor and similar information in the event the payment is to be made to a different address
- (2) County contract, Purchase Order, and/or delivery order number
- (3) Identification of items or service as outlined in the contract
- (4) Quantity or quantities, applicable unit prices, total prices, and total amount
- (5) Any additional payment information which may be called for by the contract

Payment inquiries should be directed to the Auditor's Office, Accounts Payable Department: Donna McKitrick, 943-1558 or Kathy Blankenship, 943-1557.

CONFLICT OF INTEREST: No public official shall have interest in a contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code Title 5, Subtitle C, Chapter 171.

ETHICS: The proposer shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of Williamson County.

DOCUMENTATION: Proposer shall provide with this proposal response, all documentation required by this proposal. Failure to provide this information may result in rejection of the proposal.

TERMINATION FOR DEFAULT: Williamson County reserves the right to enforce the performance of this contract in any manner prescribed by law or deemed to be in the best interest of the County in the event of breach or default of this contract. Non-Performance of the proposer in terms of specifications shall be a basis for the termination of the contract by the County. The County shall not pay for commodities/services which are unsatisfactory. Vendors will be given a reasonable opportunity before termination to correct the deficiencies. This, however, shall in no way be construed as negating the basis for termination for non-performance.

SILENCE OF SPECIFICATIONS: The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

COMPLIANCE WITH LAWS: The successful proposer shall comply with all applicable federal, state and local laws and regulations pertaining to the practice of the profession and the execution of duties under this proposal including the TEXAS HAZARD COMMUNICATION ACT and THE WILLIAMSON COUNTY HAZARD COMMUNICATION PROGRAM POLICY.

DRIVING SIMULATOR SYSTEM PROPOSAL

WORKER'S COMPENSATION

The Texas Labor Code, §406.096, requires workers' compensation insurance coverage for all persons providing services on a building or construction project for a governmental entity. The rule requires a governmental entity to timely obtain certificates of coverage and retain them for the duration of the project. The rule also sets out the language to be included in bid specifications and in contracts awarded by a governmental entity and the information required to be in the posted notice to employees. The rule is adopted under the Texas Labor Code, §402.061. The information provided below is a result of this rule. By submitting your bid to the county, you are acknowledging that this rule is a part of these bid specifications, and that you will observe and abide by all of the requirements outlined in the rule. You are further agreeing that should your bid or proposal be accepted by the Williamson County Commissioners' Court, the necessary certificates of coverage showing workers' compensation coverage, will be provided to the following name and address, prior to beginning work:

Ginny Atkinson
Williamson County Purchasing Office
710 Main Street - Suite 303
Georgetown, TX 78626

If you have any questions related to this ruling and/or requirement, you are encouraged to contact either the Williamson County Purchasing Department at (512) 943-1554, or you may call the Texas Workers' Compensation Commission at (512) 804-4000.

Workers' Compensation Insurance Coverage:

A. Definitions: Certificate of coverage ("certificate")-A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

Duration of the project - includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

Persons providing services on the project ("subcontractor" in §406.096) - includes all persons or entities performing all or part of the services the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor,

transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

B. The contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract.

D. If the coverage period shown on the contractor's current certificate of coverage ends during the duration of the project, the contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the governmental entity:

(1) a certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project;

(2) no later than seven (7) days after receipt by the contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

H. The contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

(1) provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all of its employees providing services on the project, for the duration of the project;

(2) provide to the contractor, prior to that person beginning work on the project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project;

(3) provide the contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

(4) obtain from each other person with whom it contracts, and provide to the contractor:

(a) a certificate of coverage, prior to the other person beginning work on the project; and

(b) a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

(5) retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

(6) notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

(7) contractually require each person with whom it contracts, to perform as required by paragraphs (1) - (7), with the certificates of coverage to be provided to the person for whom they are providing services.

J. By signing this contract or providing or causing to be provided a certificate of coverage, the contractor is representing to the governmental entity that all employees of the contractor who will provide services on the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

K. The contractor's failure to comply with any of these provisions is a breach of contract by the contractor which entitles the governmental entity to declare the contract void if the contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

PERFORMANCE AND PAYMENT BONDS: Chapter 262.032 of the Texas Local Government Code governs the requirements for performance bonds for government entities making public work contracts. A performance bond is required if the contract is in excess of \$50,000 and is to be made for the full amount of the contract. Chapter 2253.021 of the Texas Government Code governs the requirements for payment bonds for government entities making public work contracts. A payment bond is required if the contract is in excess of \$25,000 and is to be made for the full amount of the contract. The bonds are to be executed within ten (10) days after receipt of written notification of award of contract and prior to beginning work on the project. The bonds must be executed by a corporate surety or sureties in accordance with the Texas Insurance Code.

If the public works contract is less than \$50,000 the performance bond will not be required as long as the contract provides that payment is not due until the work is completed and accepted by the County.

EXECUTION OF CONTRACT: Failure to execute the construction contract within ten (10) days of written notification of award or failure to furnish the performance bond, or letter of credit if applicable, and payment bond as required shall be just cause for the annulment of the award. In case of the annulment of the award, the bid guarantee shall become the property of Williamson County, not as a penalty, but as a liquidated damage.

The Contractor shall not commence work under this contract until he has furnished certification of all insurance required and such has been approved by Williamson County, nor shall the contractor allow any subcontractor to commence work on his subcontract until proof of all similar insurance that is required of the subcontractor has been furnished and approved.

PROPOSAL SPECIFICATIONS

INTERACTIVE LAW ENFORCEMENT DRIVING SIMULATOR SYSTEM

FUNCTIONAL SPECIFICATIONS

The primary use of the system specified shall be to provide advanced driver training for law enforcement personnel, including: (1) policy and procedural training (2) tactical training and (3) defensive driving.

1.0 General Conditions

The system shall consist of a self contained instructor workstation, instructor driver station, and 2 simulator cab(s) All contained in a climate controlled portable structure. The system shall be complete and include all necessary hardware, software, cabling, delivery, installation, warranty, maintenance service support and instructor training.

1.1 Professional Staff

The manufacturer of the proposed system shall certify that it maintains a staff of professional personnel whose full time responsibilities are the continuing development of hardware, audiovisual software, and computer software for driving simulator systems. The staff shall include:

1. Electrical/electronic engineers, mechanical engineers, computer programmers, technicians, quality control staff and designers with experience in the development, manufacture and servicing of various types of driving simulator systems.
2. Professional personnel specializing in traffic safety education with experience in the development and production of traffic safety education/driver training software and curriculum for use with its driving simulator systems.
3. Professional training personnel with experience and responsibilities for continuing development and administration of training programs including, but not limited to, the training of purchaser's instructional staff in the proper use of the system(s) purchased.

1.2 Unlimited On-site Service

The manufacturer shall provide unlimited on-site maintenance of its driving simulation system. Service technicians must be regular employees of the manufacturer and shall maintain an adequate stock of replacement parts. The manufacturer shall guarantee quality, prompt on-site maintenance service to assure proper system operation with minimum downtime. The intent is that no unit be completely down more than 48 hours from the time of placing a service call, excluding holidays and weekends. The manufacturer shall provide a list of the names and locations of at least two nearest field service technicians who are qualified to provide service on the system proposed.

1.3 Complete System Manufacturer

The manufacturer of the proposed system(s) shall currently manufacture complete driving simulator systems for training drivers of emergency vehicles, automobiles and trucks. Complete systems shall be defined as inclusive of all necessary hardware, audiovisual software (curriculum including training scenarios) and computer software all mutually compatible, to assure a complete functioning system to accomplish the training task.

2.0 Instructor Workstation

An instructor workstation shall be provided with the system. The work station shall be of desk type and house the system computer(s).

2.1 Instructor's Console

The console shall be of professional construction and include a lockable cabinet. The cabinet shall serve as a compartment to house the power supply and computer. Interconnecting cabling and wiring shall be concealed from view.

2.2 IBM Compatible Computer

The console shall include an IBM compatible computer with a Windows operating system for ease of operation. The standard input device shall be a mouse. The monitor shall have a standard tilt and swivel base for ease of adjustment to different viewing angles. The monitor shall provide all indicators and selectors for information and system control.

2.3 Dispatch Radio

The console shall include an operational dispatch radio from which the instructor shall be able to communicate with any or all simulator cabs in the system. An active headphone jack shall be provided to divert sound from the speakers.

2.4 Instructor Driving Station

An interactive driver station shall include an operational steering wheel, brake and accelerator positioned at the operator/instructor console to provide the instructor the ability to operate as a cab from the operator instructor console.

3.0 Simulator Cab

The simulator cab shall contain all of the basic controls, features and gauges found in a late model police cruiser.

3.1 Steering

The steering wheel shall be approximately the same size and have angular rotation similar to a late model police cruiser and have a tilt feature. The torque required shall simulate actual forces felt in a police cruiser as the wheel is turned, have programmable feedback, and shall return to center steer position when released.

3.2 Operational Controls

The following operational controls shall be functional and provided in the driving compartment: turn signal, ignition switch, emergency flasher, foot brake, parking brake, accelerator, and transmission. The brake pedal shall act and feel like a real brake pedal with simulated ABS. The accelerator shall feel and act like a real accelerator pedal.

3.3 Functional Gauges

The following gauges and indicators shall be functional and provided in the driving compartment: speedometer, fuel gauge, temperature gauge, oil pressure indicator, turn signal indicators, high beam indicator, ABS indicator, seatbelt indicator.

3.4 Seat

The seat shall be a standard bucket type, upholstered, and equipped with retracting lap/shoulder restraints. The seat belt shall have software recognition so that the use of the seat belt may be monitored from the operator/ instructor console. The seat shall be adjustable at least six (6) inches front to rear to accommodate differing sizes of drivers.

3.5 Floor

The floor area shall be covered with long wearing industrial grade vinyl or carpet.

3.6 Visual System

The simulator's visual system shall consist of a three channel system with 16 X 9 aspect ratio monitors and provide an undistorted field of view of not less than 180 degrees horizontal and 35 degrees vertical. Images shall not be compressed or slewed in an attempt to artificially expand the horizontal field of view.

3.7 Mirrors

Left side, right side and rear view mirror images shall be incorporated in the driver's view. Images shall be continuous and real-time and contain the same level of detail as provided in the full forward view and side views.

3.8 Radio

The simulator cab shall include a functional, simulated radio system to provide communication between the instructor and/or other drivers (in a multiple station system).

3.9 Headlights

The headlight switch shall control the lights of the simulator cab in the virtual world. Both high and low beam lights shall function as in the real world.

4.0 Audiovisual System

The audiovisual display system shall be of high quality and provide views similar to those from the driver's seat in a late model police cruiser.

The visual system shall be configured in an enclosed architecture environment to ensure against tampering and enhance safety. The resolution shall provide a minimum of VGA quality with a flicker-free 60 Hz update rate.

4.1 180 Degree Field-of-View

The visual system shall include three (3) LCD or Plasma flat screen video display monitors with a minimum 40" wide-aspect ratio (16 X 9) providing an undistorted horizontal field-of-view "FOV" of at least 180 degrees. Compression of visual data to obtain the desired FOV will not be accepted. Slewage of images in an attempt to claim an increased FOV will not be accepted.

4.2 Vehicle Mask

An appropriate vehicle interior mask shall be incorporated in the visual display upon selecting a vehicle.

4.3 Digital Gauges

The center (front) screen shall include a compass, digital speedometer and a digital trip odometer superimposed in the image to aid in navigating and speed control during training.

4.4 Audio System

An interactive audio system shall provide typical sounds heard in a police cruiser, including engine sound, horn, siren wail and yelp, tire squeal, and traffic and road noise. Sound shall be 3 dimensional to simulate passing vehicles and other audible objects. A tactile audio transducer shall be included and located under the floor or seat to provide the low frequency rumble of road noise and engine sound. The volume shall be controllable. An independent P.A. audio system shall also be included.

- 4.5 Vibration System
Vibrations systems shall be included to as to provide a realistic roadway feel through the steering wheel and seat.

- 5.0 Virtual Driving World
The virtual world shall include a broad range of driving environments including urban, suburban, rural, interstate highway and areas dedicated to practice vehicle maneuvering skills.

Roadways shall include proper lane markings, signage, traffic lights and street lights. Two-way streets, one-way streets, cul-de-sac's, two and four lane roads with turn lanes shall be included.

- 5.1 Urban
The urban area shall be not less than 13 city blocks by 13 city blocks and include at least the following: hospital, store, fire station, mall, police department, school, and other typical buildings found in an urban environment.

- 5.2 Suburban
The suburban area shall include residential neighborhood, school (with school zone), playground, hospital, fire station, and low-rise buildings.

- 5.3 Rural
The rural area shall include winding roads (some with passing lanes), railroad crossings, and varying road grades. Objects that impair visibility such as fences, trees and shrubs shall also be included.

- 5.4 Interstate
An interstate highway with typical entrance / exit ramps and clover leafs shall be included.

- 5.5 Training Center
A large, flat paved area suitable for practicing maneuvers. It shall be possible for instructors to create unlimited maneuvering courses by placing cones, delineator posts and barricades anywhere in the training center.

- 5.6 Skills Course
A serpentine track shall be included for practicing advanced driving skills.

6.0 Operating System

- 6.1 Pre-recorded Scenarios
Instructors shall be able to select from a library of pre-recorded scenarios to which trainees may drive. The system shall include at least 80 scenarios. The scenarios will include Orientation scenarios, Traffic stop scenarios, Emergency Response scenarios and pursuit scenarios.

- 6.2 Variables
A number of variables shall be provided and shall be selectable by the instructor:

- 6.2.1 Road Surface Friction
The road surface friction shall be continually adjustable by the instructor on a "sliding" scale to simulate changes in roadway conditions. The road surface friction shall change automatically to appropriate pre-set "default" setting when a weather condition is selected.

- 6.2.2 Time of Day
Time of day shall be selectable on a continuous scale to simulate any time of day or night within a few minutes.

- 6.2.3 **Weather Conditions**
Various weather conditions that effect driving shall be selectable with the click of a mouse. Conditions shall include clear skies, rain and snow. Varying fog density shall be selectable on a continuous scale.
- 6.2.4 **ABS Brakes**
Instructors shall be able to activate or deactivate ABS brakes on the trainee's vehicle. The braking dynamics shall change according to the type of brake system selected.
- 6.2.5 **Vehicle Select**
A number of vehicles shall be available for students to drive. These vehicles shall include at least the following: police cruiser, fire truck, ambulance, SUV, truck, sports car and sedan.
- 6.2.6 **Pursuit Immobilization Technique (PIT) maneuver**
Instructor shall be able to activate or deactivate the student ability to proactively engage vehicles in a scenario with the Pursuit Immobilization Technique. PIT introductory training scenarios shall be included.

6.3 **Replay**
The system shall have the capability to replay any scenario driven by a trainee. It shall be possible to replay only the critical portion of the scenario (without reviewing the entire scenario) saving valuable training time. The system shall be capable of replaying scenarios from the driver's point-of-view or "bird's eye" view at various elevations. The system should also be capable of continuing a scenario from the point of interruption with minimal delay.

6.4 **Save to Disc**
The system shall allow instructors to save any scenario to a disc drive. It shall be possible to replay any scenario at any time on the system through the replay feature.

6.5 **Linking**
The system shall be capable of linking up to four (4) simulator cabs within scenarios. It shall be possible for trainees in different cabs to drive different scenarios at the same time as well.

7.0 **Scenario Development**
In addition to pre-programmed scenarios provided with the system, the system shall have a built-in scenario development (programming) mode enabling instructors to easily and quickly create new or modify existing scenarios.

7.1 **Easy to Use Scenario Developer**
The scenario development effort shall be very easy to master and shall be based on familiar, standard software such as Windows™. No computer programming knowledge shall be required. It must be possible to alter scenarios in minutes and create a totally new, complex scenario in an hour or so.

7.2 **Vehicles**
It shall be possible to add vehicles to new and existing scenarios by simply clicking on the desired vehicle, placing it in the desired location and driving it along the desired path. Instructors shall be able to select from the following vehicle types for use as traffic: police vehicle, fire vehicle, ambulance, light delivery vehicle, van, SUV, sports car, compact, sedan, high performance sedan.

7.3 **Additional Objects**
Pedestrians, bicycles, motorcycles, animals and various objects such as road signs, and barricades shall be available to add to scenarios.

7.4 **Demonstration of Scenario Developer**
Upon request, the bidder/proposer shall demonstrate the full capabilities and ease of use of the scenario development feature. Ease of creation and modification is particularly important in re-creation of collision situations for training, re-training and legal purposes.

- 8.0 **Containment System**
All equipment including instructor workstation, driver cabs, cabling and other hardware shall be contained within a portable structure. Proposal shall be for a Morgan Building or EQUAL.
- 8.1 **Dimensions**
The portable structure shall be sixteen (16') feet wide by forty eight (40') feet long.
- 8.2 **Construction**
Portable structures shall be constructed of 26 gauge steel lined with gypsum. Stud height shall be seven (7') feet nominal spaced at twenty four (24") inches on center. Structure shall be insulated with R-11 insulation, and be wired for electrical outlets necessary to power the specified equipment.
- 8.3 **Doors and Windows**
Portable structures will have two (2) steel clad residential style doors, and a minimum of Four, forty (40") inch by thirty (30") inch windows. Placed in locations as not to interfere with the function of the simulators components.
- 8.4 **Air-conditioning and Heating**
Portable structures shall be equipped with two (2) 12,000 BTU heating/air conditioning units placed on each end of the structure and located as not to interfere with the operation of the simulator systems.
- 8.5 **Finish**
Portable structures will be finished in medium grey with medium blue trim to be consistent with existing portable containers already on site.
- 9.0 **Services to be Supplied**
The bidder shall have an established maintenance service department to assure operational quality of the system after initial installation. Manufacturer shall supply the names and locations of at least two of its full time service technicians near the installation site. In addition, manufacturer shall provide at least three law enforcement references, as well as local references, to demonstrate its maintenance service support competency.
- 9.1 **Delivery and Installation**
The system shall be delivered and completely and professionally installed by the manufacturer.
- 9.2 **Warranty**
The supplier shall provide a one year warranty including parts and unlimited on site labor.
- 9.3 **Preventive Maintenance Support**
Supplier shall provide unlimited on-site preventive maintenance support of the system for a period of one (1) year following installation of the system.
- 9.4 **Instructor Training**
The manufacturer of the system shall include four (4) days of instructor training for a minimum of two(2) persons to be completed by a driver educator. An instructor resume will be provided to support the competence of the driver educator.
- 10.0 **Options**
- 10.1 **Subsequent Yearly Maintenance Service**
Supplier shall offer a follow on maintenance service agreement after the first year. This agreement shall cover parts and unlimited on site labor for the second year.
- 10.2 **Situation Display**
A situation display monitor shall allow the instructor to view exercises in progress or in replay in either overhead or driver's-eye view mode. Display size shall be 27-inch diagonal VGA monitor supplied with and located on a 48-inch high monitor stand.

COMPLIANCE WITH SPECIFICATIONS

Each proposer shall include this page with their response to this solicitation. Compliance or noncompliance shall be indicated by inserting an X in the appropriate column adjacent to each specification item or paragraph number. Insertion of an X shall indicate full compliance with that paragraph section.

<u>Specification Paragraph</u>	<u>Yes</u>	<u>No</u>
1.0 General Conditions	X	
1.1 Professional Staff	X	
1.2 Unlimited On-Site Service	X	
1.3 Complete System Manufacturer	X	
2.0 Instructor Workstation	X	
2.1 Instructor's Console	X	
2.2 IBM Compatible Computer	X	
2.3 Dispatch Radio	X	
2.4 Instructor Driving Station	X	
3.0 Simulator Cab	X	
3.1 Steering	X	
3.2 Operational Controls	X	
3.3 Functional Gauges	X	
3.4 Seat	X	
3.5 Floor	X	
3.6 Visual System	X	
3.7 Mirrors	X	
3.8 Radio	X	
3.9 Headlights	X	
4.0 Audiovisual System	X	
4.1 225 Degree Field-of-View	X	
4.2 Vehicle Mask	X	
4.3 Digital Gauges	X	
4.4 Audio System	X	
4.5 Vibration System	X	
5.0 Virtual Driving World	X	
5.1 Urban	X	
5.2 Suburban	X	
5.3 Rural	X	
5.4 Interstate	X	
5.5 Training Center	X	
5.6 Skills Course	X	
6.0 Operating System	X	
6.1 Pre-recorded Scenarios	X	
6.2 Variables	X	
6.2.1 Road Surface Friction	X	
6.2.2 Time of Day	X	
6.2.3 Weather Conditions	X	
6.2.4 ABS Brakes	X	
6.2.5 Vehicle Select	X	
6.2.6 Pursuit Immobilization Technique	X	
6.3 Replay	X	

6.4	Save to Disc	X	
6.5	Linking	X	
7.0	Scenario Development	X	
7.1	Easy to Use Scenario Developer	X	
7.2	Vehicles	X	
7.3	Additional Objects	X	
7.4	Demonstration of Scenario Developer	X	
8.0	Containment System	X	
8.1	Dimensions	X	
8.2	Construction	X	
8.3	Doors and Windows	X	
8.4	Air-conditioning and Heating	X	
8.5	Finish	X	
9.0	Services to be Supplied	X	
9.1	Delivery and Installation	X	
9.2	Warranty	X	
9.3	Preventive Maintenance Support	X	
9.4	Instructor Training	X	
10.0	Options	X	
10.1	Second Year Maintenance Service	X	
10.2	Situation Display	X	

Please see Appendix (attached), regarding the following additional requested information:

- 1.1.2 Qualified Field Service Reps information.
- 9.0 Law Enforcement References
- 9.4 Instructor Resume

Appendix for Request for Proposal 04WCP4203

1. 1.2 Qualified Field Service Representatives

COPY

David Welch
GE Driver Development
4040 W Royal Lane # 126
Irving, TX 75063

Jared Wendel
GE Driver Development
2961 W California Avenue
Salt Lake City, UT 84104

Karl Rhoads
GE Driver Development
2961 W California Avenue
Salt Lake City, UT 84104

2. 9.0 Law Enforcement References

Laredo Community College
Director Ray Garner
956-721-5208
West End Washington Street
Laredo, TX 78040

San Antonio PD
Lt. Steve Winters
210-207-6232
12200 S E Loop 410
San Antonio, TX 78221

Cache County Sheriff
Sgt. Wayne Boyer
435-750-7411
52 W 200 N
Logan, UT 84321

Mississippi Law Enforcement (MLEOTA)
Director Jerry Gardner
601-933-2100
3791 Hwy 468 W
Pearl, MS 39208

Utah POST
Sgt. Douglas Larson
801-633-2066
4501 South 2700 West
West Valley City, UT 84119

3. 9.4 Instructor Resume

RICHARD G. BRACEWELL
73 Southwoods Parkway, Suite 110
Atlanta, GA 30354
404.608.7209

EDUCATION

2000-present	Troy State University, M.B.A. (in progress)
1982	Valdosta State University, Bachelor of Science in Criminal Justice

EXPERIENCE

1981-1983	Broward County Sheriff's Department Patrol Division
1984-1990	Georgia Bureau of Investigation Special Agent, Senior Investigation of all index crimes throughout the state; certified firearms instructor (to include automatic weapons).
1990-1992	Commander, Bainbridge-Decatur County Drug Task Force Commander of multi-jurisdictional drug task force to include investigations, training, budgeting, and daily operations.
1992-2002	Georgia P.O.S.T Council Training Coordinator Coordinated training for state police academy in 40 county region of south GA. Responsible for basic recruit and advanced training to include emergency vehicle operation, criminal laws and procedure, defensive tactics, emergency vehicle operation, firearms, emergency medical, and hazardous materials.
1996-2002	Georgia P.O.S.T. Council Investigator Investigation of alleged police misconduct (statewide).
2002-present	G.E. Driver Development Law Enforcement Specialist Conduct national law enforcement driver training.

CERTIFICATIONS

Certified Police Officer (Georgia)
G.B.I. Special Agent
G.B.I. Narcotics Agent
Certified Police Instructor
Police Jiu-Jitsu Instructor
Speed Detection
Emergency Medical
Firearms
Defensive Tactics

INSTRUCTION PROVIDED TO:

Georgia Bureau of Investigation:	Firearms and Police Jiu-Jitsu
U.S. Park Police	Laws of Search and Seizure
California Narcotics Canine Officers Assn.	Drug Interdiction
DEA	Operation Pipeline
Jacksonville Police Department	Use of Force (Firearms Simulation)
Bridgeport, WV PD	Use of Force (Firearms Simulation)
Federal Express	Use of Force (Firearms Simulation)
The Gilmer Companies	Sexual Harassment
Northeast GA Regional Police Academy	Adjunct Instructor

DRIVING SIMULATION TRAINING PROVIDED TO:

Georgia State Patrol
Douglas County (GA) Sheriff's Department
Lake County (FL) Sheriff's Department
Wichita (KS) Police Department
Broward County (FL) Sheriff's Department
Laredo Community College Police Academy
Orange County (CA) Sheriff's Department
Manatee County (FL) Community College
Cincinnati (OH) Police Department
Metropolitan Transit Authority Police (NY)
Johnson City (TN) Police Services
Cobb County (GA) Police Department
Hillside (IL) Police Department
Bolingbroke (IL) Police Department
West Chicago Police Department
Chicago Police Department
Burr Ridge (IL) Police Department
Illinois Risk Management Association
Palm Beach (FL) Sheriff's Department
Lowndes County (GA) Sheriff's Department
Ondeo Nalco (Chicago)
Nashville (TN) Metropolitan Police Department
Snohomish (WA) Sheriff's Department