



ITEM: Heavy Equip Sim System Specs

DEPARTMENT: IGNITE Pathways

EDA Investment No: 05-79-06179

CLOSING DATE: 19 May 2023

IGNITE Pathways in partnership with the U.S. Department of Commerce's Economic Development Administration (EDA) is seeking to procure a system of low voltage equipment for IGNITE Pathways. The mission of IGNITE Pathways is to "Transform educational experiences through business collaboration and involved learning." This equipment will help support the mission of giving students a transformational experience. The Agriculture Sim System will consist of:

- Simulator Base x 2
- Sprayer simulator
- Excavator simulator
- Bulldozer simulator
- Forklift desktop sim x 2
- Excavator desktop sim
- Bulldozer desktop sim
- Compact tractor loader desktop sim
- Accessories, software, etc. as needed for simulators to function and operate

SPECIAL NOTE:

This is a single bundle procurement solicitation. Each machine is to be quoted individually (including options included and respective pricing), but selection and procurement will be for all pieces of equipment combined. Equipment will not be procured individually.

Simulator Base Unit (Quantity = 2)

● Simulator Base Unit on 120v Motion
● Simulator Mobility Kit
● Each includes seat, screens, and other required equipment
● Cables, conduit, electrical components included

Sprayer Simulator (Quantity = 1)

● Commercial FS Sprayer Conversion Kit
● FS Sprayer Mobility Kit
● Commercial FS Sprayer - VR Edition
● Cables, conduit, electrical components included

Excavator Simulator (Quantity = 1)

• Hydraulic Excavator Conversion Kit
• Advanced Excavator Bundle
• Advanced Construction Excavator VR Simulator Software
• Cables, conduit, electrical components included

Bulldozer Simulator (Quantity = 1)

• Dozer Conversion Kit (Rear Monitor and Stand)
• Advanced Dozer Bundle
• Advanced Construction Bulldozer VR Simulator Software
• Cables, conduit, electrical components included

Small Wheel Loader Simulator (Quantity = 1)

• Small Wheel Loader Conversion Kit
• Small Wheel Loader Skill Builder Bundle
• Small Wheel Loader VR Simulator Software
• Cables, conduit, electrical components included

Desktop Simulators

• FLS-SFM Desktop forklift simulator w/VR x 2
• SL-HEX-C Desktop excavator classroom edition x 1
• SL-HEX-VR Desktop excavator VR Add-on
• SL-TTT-C Desktop dozer classroom edition x 1
• SL-TTT-VR Desktop dozer VR Add-on
• SL-CTL-C Desktop compact track loader classroom edition x 1
• SL-CTL-VR Desktop compact track loader VR add-on
• Cables, conduit, electrical components included

Manager's Workstation

• Manager's Workstation (Laptop and Route) included.
• 3 year curriculum subscriptions for each simulator included.
• Technical support - 3 year subscription included.
• Initial onsite installation and training included
• Onsite refresher training and simulator maintenance trip after 6 months.

System Design of Each Sim

• Real joystick control, replica buttons and switches
• Realistic steering wheel: horn button, turn signals, lights and brake pedal
• Durable tubular steel frame

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| • Replica operator's seat that slides forward and backward on frame and tilts forward and backward |
| • Functional seat belt connected to computer software. |
| • Monitor stands with minimum 3 - 42"+ monitors |

Assembly, Freight, Warranty

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| • Vendor will provide installation that is to be completed in accordance with all recommendations from the manufacturer. |
| • Installation shall be completed by an authorized dealer of the speaker manufacturer. |
| • Manufacturers must guarantee critical component and part access for a minimum of 3 years. |
| • Repair service offering must be by the manufacturer of the display and not a 3rd party or hired service. |
| • Vendor includes any associated equipment required to make all speakers operate correctly. |

Tax Exempt

- IGNITE Pathways is a program within the Woodbine Community School District.

Selection Criteria

All the above specifications will be included in evaluation of vendor proposals. Specific priority will be given to the following areas:

- Cost - 40%
- Build Volume - 10%
- Durability/reliability/warranty of the above subsystems in a typical operating environment - 25%
- Customer references - 5%
- Educational discount - 20%

Additional Provisions:

-Buy American Provision: "To the greatest extent practicable, contractors are encouraged to purchase American-made equipment and products with funding provided under EDA Financial assistance."

-This project is partially funded with Federal funds from the United States Department of Commerce, Economic Development Administration and therefore is subject to the Federal laws and regulations associated with the program.