

The following equipment (Laboratory Storage and Transportation Unit, Laptop Cart [cart only; no laptops]) is being put out for bid for the Advanced Manufacturing/STEM courses of STEM Innovators (7th Grade) and STEM Designers (8th Grade) for an Advanced Manufacturing/STEM Itinerant Program to be taught to 7th and 8th grade students at Centertown, Dibrell, Eastside, Irving College, and Morrison. The Advanced Manufacturing/STEM Trailer will visit each elementary school listed above for a designated time period (number of weeks) to instruct 7th and 8th grade students on the STEM Curriculum included in STEM Innovators and STEM Designers.

Questions in regards to the equipment (Laboratory Storage and Transportation Unit, Laptop Cart [cart only; no laptops]) should be directed to Tracy Risinger, Warren County Schools CTE Director at 931-668-5915 or risingert@warrenschoools.com

All bids are to include set-up, delivery, orientation, installation, teacher orientation, teacher training, assistance, and support (on-site, phone, online, etc.), technical support (on-site, phone, online, etc.), warranties, etc.

The equipment (Laboratory Storage and Transportation Unit, Laptop Cart [cart only; no laptops]) descriptions and specs are listed below:

Laboratory Storage and Transportation Unit (LSTU) Specifications

The *LSTU* shall consist of one heavy duty 7'x18' (nose to gate) custom trailer with dual 3,500 lb. axles, a rigid 6" tubular main frame, tubular wall studs and roof bows on 16" centers, 6'-3" interior height, spring assisted steel reinforced dual locking fold-down ramp with caster flap, 32" side door with reinforced steel bar lock, 1ea. Mounted Full-Size Spare Tire on Matching Wheel, 1ea. Tongue jack caster wheel mounted to a 2 5/16" super-duty hitch.

The *LSTU* shall be equipped with an *E-Track Wall* tie-down system permanently welded to frame structure, a recessed *E-Track Floor* tie-down system with steel backer permanently welded to the rigid chassis, 2ea. aluminum 85"-96" *E-Track* cargo load bars, 2ea. 2"x 12' 3,000 lb. *E-Track* ratchet tie-down straps, 2ea. 2"x 16' 3,000 lb. *E-Track* ratchet tie-down straps, 2ea. 2"x 20' 3,000 lb. *E-Track* ratchet tie-down straps, 10ea. *E-Track* tie down attachments with O-rings.

The *LSTU* AC electrical system shall include 2ea. GFI protected receptacles (placement to accommodate laptop storage and charging cabinets), 1ea. residential-type switch, 2ea. 4' florescent lights, 1ea. 60 amp power box, and 1ea. grounded power tether cord.

The *LSTU* shall be equipped with 2ea. vented locking steel mobile laptop storage, charging, and transportation units with surge suppression and 4" locking casters supporting a total of 32 laptop computers, 2ea. 3X stacking and locking mobile flight controller storage units (48"x 12"x 46.5") with a total of 30 individual foam-lined storage compartments on 4" casters, 4ea. locking vertical mobile storage units (16.75"x 22.25"x 51") with recessed hardware and ball corners on 4" locking casters containing a total of 32 individual 15"x 20.75"x 5" consumable storage tubs, 8ea. dolly-style mobile storage trunks (41.5"x 11.25"x 11.75") with recessed hardware and ball corners for mechatronics and consumable storage, and 2ea. "super duty (.5" plywood) mobile storage trunk (44.75"x 22.25"x 25.25") with ball corners on heavy-duty 4" locking casters.

The *LSTU*'s exterior shall feature full body marine-grade paint, a 24" diamond plate stone guard, all weather undercoating, a 4'x 8' school-district specific large four-color custom printed vinyl graphic on each side and rear door, a 5-year warranty, set-up, delivery, orientation, and training.