



Specifications for SWC #201 Equipment Rental

A. Scope of Work

The purpose of this Invitation to Bid (“ITB”) is to provide equipment rental services for State of Tennessee (“State”) Agencies. Other Governmental Bodies, members of the University of Tennessee or Tennessee board of regents systems, and the nonprofit entities identified in Tenn. Code Ann. § 33-2-1001 (“Authorized Users”) may utilize the awarded Contract. Contractor agrees to extend this Contract to Authorized Users.

B. Definitions

Agency	State of Tennessee board, commission, committee, department, office, or any other unit of State government except for those governmental entities identified in Tenn. Code Ann. § 12-3-102(a).
Contract Administrator	Contractor’s main point of contact at the Central Procurement Office.
Contractor(s)	Any successful Respondent(s) to whom a Contract has been awarded by the Central Procurement Office (CPO).
Central Procurement Office or CPO	The State of Tennessee Central Procurement Office (CPO).
DGS	Department of General Services
Downtime	Calculated from the time a service call is placed to the Contractor until the time the technician completely repairs the equipment.
End User or Authorized User	Using Agency, local government, or other entity of the statewide contract.
MBE/WBE/SDVBE/SBE	Minority business enterprise, women business enterprise, service-disabled veteran business enterprise, and small business enterprise.
Normal State Operating Hours	Monday through Friday 8:00 AM – 4:30 PM, excluding legal State holidays. A listing of State holidays can be found at http://www.tn.gov/state-holidays.shtml .
Other Governmental Bodies	Any governmental entity in the State of Tennessee, other than Agencies, including but not limited to: 1) Judicial branch entities; 2) Legislative branch entities; 3) Local governments (includes counties, cities, townships and municipalities);

	<p>4) Educational institutions (includes universities, colleges and K-12); and</p> <p>5) Authorities and quasi-governmental bodies.</p>
Purchasing Card or P-Card	Commercial card that allows organizations to take advantage of the existing credit card infrastructure to make electronic payments for goods or services. A P-Card is similar to a consumer credit card, but the card-using organization must pay the card issuer in full each month.

C. Rental Specifications

- a. Unless otherwise stated, the term of all rentals is one (1) month, which is equal to four (4) weeks or two hundred (200) hours of usage. If the End User uses the equipment for more than 200 hours during the rental term, Contractor will prorate the End User's additional use.
- b. If End User expects the rental term to reach or exceed six (6) months, or twelve hundred (1,200) hours of usage, a long-term rental will be implemented. Long-term rentals may be for six (6), twelve (12), or thirty-six (36) months as specified for each piece of equipment. Contractor shall supply discounted rates for long-term rentals.
- c. Special note regarding Term of Contract. This is a three (3) year contract term running from May 15, 2016 to May 14, 2019, with five (5) additional one-year options to renew. No new equipment will be rented beyond the end of year five (5) from the resulting contract(s). The remaining three (3) years of the statewide contract will allow agencies to complete existing rental terms.
- d. Contractor will receive a minimum of seven (7) calendar days' notice to deliver equipment to the End User's specified location after a purchase order or request is made. The specified equipment must be delivered within those seven (7) days unless a different delivery time is mutually agreed to by the End User and Contractor. If the specified equipment is unavailable for delivery within those seven (7) days, then the Contractor shall provide an equivalent or larger unit at the same price. If Contractor initially delivers a larger piece of equipment than requested and then swaps it with the size originally requested, the State shall not incur any additional costs.
- e. Contractor will deliver and pick up equipment at the location specified by End User at Contractor's expense. Contractor is responsible for full delivery and pick-up, including but not limited to, acquiring required permits and safely loading and unloading equipment. End Users will inspect all equipment at the time of delivery and pick up. End Users will contact Contractor if equipment is not per specifications and of any issues which occurred during transit.
- f. If an equipment breakdown occurs during the rental term, the Contractor is responsible for equipment repairs, cost, and rental rate adjustment for the Downtime. If equipment Downtime exceeds twenty-four (24) hours, the Contractor is responsible for providing operational equipment ("Replacement") of equal or greater value at no expense to the State. Contractor shall incur all transportation costs associated with providing the Replacement. The Contractor will not charge the End User for the time during which the equipment was down.
- g. Contractor shall not bill the State for costs of normal wear and tear to rented property as determined by the formal discretion of the State.

- h. Any End User seeking to extend the rental term must notify the Contractor via email or purchase order at least a minimum of seven (7) calendar days prior to the initial end date of the rental term.
- i. Rental term shall end when the End User notifies the Contractor, in writing or by phone, that the equipment is ready for pick up. It is the Contractor's responsibility to coordinate the removal or pick up of the equipment with the End User at a mutually agreeable time. If Contractor is notified and mutually agrees to pick up equipment and pick up is delayed by the Contractor, the State shall not incur any additional costs.
- j. The State shall not be required to pay any termination charges for early termination of the rental term. For example, in the event that an agency no longer requires the use of the rental equipment, the agency may, with a thirty (30) day written notification, return the rental equipment without penalty. Contractor shall be required to pick-up the rental equipment at no additional cost to the State.
- k. Contractor will obtain the appropriate insurance coverage as stated in Section 16, Terms and Conditions.
- l. The Contractor shall have a two (2) hour response time during Normal State Operating Hours, unless otherwise specified by the End User. Response time begins when the Contractor is contacted for service via email or phone by the End User.
- m. Contractor must be a manufacturer's authorized dealer and must have parts and service facilities within three (3) hours of the End User's facility. Contractor must supply documentation with bid that substantiates they are an authorized dealer. Authorized dealer will provide parts, sales, services, specialized tools and service trucks.
- n. The Contractor will be responsible for all maintenance, unless Contractor and End User mutually agree to allow End User to perform routine maintenance. Manufacturer's standard warranty is the responsibility of the Contractor. Maintenance must be provided at no additional cost including parts and labor. Maintenance to be provided per suggested maintenance schedule.

D. Equipment Specifications

- a. All rental property, unless otherwise specified, must be less than four (4) years old (from date of original manufacture) and have less than two thousand (2,000) hours of use to provide optimum performance. Refurbished equipment is not acceptable.
- b. All requirements listed above will be required on each enumerated item listed in this specification.

(1) Tractor with Flex-wing Mower, Double Deck Required

95 PTO (power take off) HP (horsepower)
 Factory CHA
 MFWD (mechanical front wheel drive)
 With 15' FT (foot) flex-wing mower
 Double deck

Domed top design
Rental Term – Monthly or thirty-six (36) months

Acceptable brands/models: tractor: John Deere 6115, New Holland T5.115 or equal; mower: John Deere HX15, Bush Hog 2815 or equal.

(2) Tractors

Applies to Tractors listed below:

Cab - factory cab required
MFWD required
Factory CHA
Transmission - synchro transmission, minimum 12F 12R
PTO RPM (rotations per minute) - 540 wet clutch pack required
Valves – 3 sets of remote valves (total of 6 couplers) required
Front and rear tread width – approximately 80” (c-c)
Tractor must have steering column forward reverse shuttle lever
Must have less than 600 hours upon delivery
Rental Term – Monthly or thirty-six (36) months

- a. 53 PTO HP
Left-hand power reverser

Acceptable brands/models: John Deere 5065E, New Holland T4.75 or Equal

- b. 70 PTO HP
4-cylinder
Left-hand power reverser

Acceptable brands/models: John Deere 5085E, New Holland T4.85 or Equal

- c. 95 PTO HP Tractor
4-cylinder
Left-hand power reverser

Acceptable brands/models tractor: John Deere 611D, New Holland T5.115 or equal

- d. 95 PTO HP Tractor with loader
Front end loader with minimum 73” (inch) bucket
3,500 lbs. (pounds) lift capacity (not for salt use)

- e. 95 PTO HP Tractor with boom mower
Side-mount 22’ FT Boom Mower
4-cylinder
Left-hand power reverser

Acceptable brands/models tractor: John Deere 611D, New Holland T5.115 or equal; boom mower: Alamo Machete or equal

(3) Mowers

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. Commercial, cab
15' FT cutting width
2" to 9" cutting height
Rear discharge
100 HP Diesel Engine

Acceptable brands/models: Mowermaxx Model MM100 or equal

- b. Remote controlled mower
Flail head
Mows up to 60 degree slope

(4) Trimmers

Rental Term – Monthly

- a. Tree Trimmer
75' FT Saw reach
90 degree range of motion
360 degree rotation on turntable tree trimmer with 24" saw
2 four-way joy stick upper controls
Articulating cab allows the operator to tilt 40 degrees in each direction with boom during operation
20,000 lbs. Hydraulic Winch with 150' FT 5/8" cable
8' FT Push Blade
130 HP Cummins or 97 HP Deutz engine
Must have extremely low ground pressure not to exceed 7.9 PSI at 3" penetration and 30-40 PSI. Traveling length is 41'6". Non-conductive telescoping fiberglass boom with 24" saw at 3,200 RPM.
45 GA fuel tank approximately 3 GPH (gallons per hour)
Operates off all quadrants without outriggers
Hydrostatically driven
4WD or Steel/rubber track

Acceptable brands/models: Jarraff Model or equal

- b. Rear Lot Trimmer
55' FT vertical reach measured from the ground to the center of the saw blade
Non-conductive, fiberglass tubing with 1 telescoping section
24" diameter circular saw driven by a high-duty-cycle hydraulic motor, 180 degree saw rotation
Articulated frame with ground-contour-following rear axle and hydraulically locked when not moving
Diesel Engine, 46 HP, 3-cylinder, Tier 4i compliant, air cooled
Engine-driven hydraulic pump with hydrostatic wheel motors
Remote control or manual-override control of all machine functions

20 GA hydraulic tank fill volume
10-16.5 8-ply, 27 PSI ground pressure for tires
29 GA fuel tank fill volume
Slow speed up to 3 MPH (miles per hour)
Fast speed up to 4 MPH
25 degree maximum incline for operation

Acceptable brands/models: Mini Jarraff Rear Lot Trimmer Model or equal

(5) Trailer Mounted Attenuator

Support structure with articulating arms
A dual cartridge attenuation system (replaceable cartridge if damaged)
Impact frame
Cylinder hitch assembly (trailer hitch with cylinder dampener system)
Intermediate steel frame
Suspension, axle, wheels and tires will be located in the approximate center of the trailer (axle located at rear not acceptable)
15 light arrow board; powered by truck via trailer electrical connector, manual tilt
Rental Term – Monthly, six (6) months, or twelve (12) months

(6) Portable Longitudinal Steel Barriers

Dimensions

Length: minimum of 13" maximum of 28"

Width: minimum of 21" maximum of 28"

Height: minimum of 32" maximum of 33"

Each barrier section shall contain 2 pairs of crank down caster wheels for increased mobility and deployment of sections

Performance criteria: portable steel barrier shall be fully tested and shall meet the recommended structural adequacy, occupant risk, and vehicle trajectory

Criteria set forth in the National Cooperative Highway Research Program report 350 (NCHRP-350) when properly installed according to the manufacturer's recommendations

Rental Term – Monthly

(7) Portable Traffic Control Systems

Rental Term – Monthly, six (6) months, or twelve (12) months

Applies to Systems listed below:

Manual, fixed time, and traffic actuated operation options

Battery powered and 110 volt charging

12" diameter LED lamps (red, yellow, green)

NEMA and MUTCD compliant

Storage/transport trailer

Grouped Lines: All Portable Traffic Control Systems and Add-ons

- a. Short-term usage – estimated 50 hours battery life
NCHRP 350 Test Level 3 compliant

- b. Long-term usage – solar powered estimated 30 days without recharging
Dual signals
Remote Monitoring System – User access to manage and monitor Portable Traffic Systems, i.e. location, run time, battery status, and system logs; capable of monitoring both traffic directions
Overhead adjustable mast arm with 180 degree rotating signal head
- c. System Add-ons
 - 1) Remote Monitoring System Add-on for short-term usage. User access to manage and monitor Portable Traffic Systems, i.e. location, run time, battery status, and system logs.
 - 2) Wireless Remote Add-on for short-term or long-term usage.
 - 3) Cabled Remote Add-on for short-term or long-term usage.
 - 4) Signal Change Vehicle Detection Capability Add-on for short-term or long-term usage. System detects traffic within the work zone and automatically adjusts signal change to the appropriate duration in both traffic directions (i.e., slow moving traffic though work zone).

(8) Excavators

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. 1.5 YD (yard) with bucket
Minimum 46,000 lbs.
145 HP
Must be compatible with hammer and plumbed with auxiliary hydraulics
Grouped Lines: Excavator, hammer, and grapple (145 HP)
- b. 3 YD minimum
78,000 lbs.
245 HP
SAE with bucket
Must be compatible with hammer and plumbed with auxiliary hydraulics
Grouped Lines: Excavator, hammer, and grapple (245 HP)
- c. 3/4 YD minimum
35,900 lbs.
94 HP minimum
6-way blade with bucket
- d. Steel Excavator
Includes Long Reach Boom and Bucket
55,000 lbs. operating weight
194 HP
60' FT boom reach
- e. Highway Speed Hydraulic Excavator
Automatic transmission
Auxiliary hydraulics
A/C in upper and lower cabs

32,000 lbs. with ditching bucket and fixed thumb grapple
Acceptable brands/models: Gradall D152 or equal

- f. Highway Speed Hydraulic Excavator with automatic transmission
Auxiliary hydraulics
A/C in upper and lower cabs
49,000 lbs. with ditching bucket and fixed thumb grapple

Acceptable brands/models: Gradall XL 4100 or equal

(9) Grapples

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. Mechanical Thumb, Compatible with 145 HP Excavator
Grouped Lines: Excavator, hammer, and grapple (145 HP)
- b. Mechanical Thumb, Compatible with 245 HP Excavator
Grouped Lines: Excavator, hammer, and grapple (245 HP)

(10) Hammers

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. Compatible with 145 HP Excavator, automatic greaser
Grouped Lines: Excavator, hammer, and grapple (145 HP)
- b. Compatible with 245 HP Excavator, automatic greaser
Grouped Lines: Excavator, hammer, and grapple (245 HP)

(11) Loaders

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. 2.5 YD
Rubber tired
Minimum 145 HP
Minimum 25,500 lbs.
- b. 3 YD
Rubber tired
Minimum 160 HP
Minimum 30,000 lbs.
- c. 4 YD
Rubber tired
Minimum 180 SAE HP
Minimum 38,000 lbs.

- d. Compact track loader with mulching attachment
106 HP
Enclosed cab

(12) Pavers

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. Asphalt Paver
Minimum 12,000 lbs.
Minimum 35 HP
Paving Width 5' FT to 9' FT
5 Ton Hopper
Track Driven
- b. Mini Paver
Ability to connect to any skid loader
Minimum of 20 HP

Acceptable brands/models: Hitek Model MG7 or equal

(13) Pot Hole Patcher

Trailer mounted with 250 GA (gallon) emulsion tank

Rental Term – Monthly, six (6) months, or twelve (12) months

Acceptable brands/models: Cimline Durapatcher or equal

(14) Backhoe

4WD (four wheel drive)
Standard Front Bucket
Rear Bucket
12" or 24"
90 SAE HP

Rental Term – Monthly, six (6) months, or twelve (12) months

(15) Lifts

Rental Term – Monthly, six (6) months, or twelve (12) months

- a. Minimum 60' FT Working Height, Boom Lift. Rugged Terrain, Diesel Powered
- b. 40' FT 4WD telescopic Boom lift
- c. 30' FT Manual Lift

Acceptable brands/models: Genie AWP30SDC or equal

- d. 26' FT Scissor lift

Acceptable brands/models: JLG 2630es or equal

(16) Dozer

D4
Track
6-way blade
95 SAE HP
Minimum 21,000 lbs.
Rental Term – Monthly, six (6) months, or twelve (12) months

(17) Tornado Regenerative Air Sweeper

115 HP auxiliary engine
7 CU YD (cubic yard) usable hopper mounted on a 33,000 GVW (gross vehicle weight rating) chassis
Rental Term – Monthly, six (6) months, or twelve (12) months

Acceptable brands/models: Schwarze model A7 or equal

(18) Culvert Cleaner

- a. Trailer Mounted
700 GA water tank
65 HP diesel engine
40 GPM (gallons per minute) at 2,000 PSI (pounds per square inch) water pump
Pivoting hose reel with 500' FT of 1/4" hose
15 degree and 35 degree radial nozzles
KEG torpedo and Royal nozzles
2 tiger tails
25" fill hose and hydrant wrench
Rental Term – Monthly, six (6) months, or twelve (12) months
- b. Mechanical Culvert Cleaner
Trackhoe and 12" auger system
Capable of cleaning 12" to 8' diameter round or boxed pipe up to 140' long
Rental Term – Monthly