

A copy of the DOT specifications for brine trucks and will be made available to the Contractor upon request.

Operators of all trucks shall have a Commercial Driver's License. The Contractor shall provide enough operators, per piece of equipment provided under this agreement, to operate 24 hours per day during a storm event. Operators are limited to a maximum 12-hour shift within a 24-hour period.

Shadow Truck with Arrow Board:

Each brine truck shall have a shadow truck with an arrow board.

Lights:

All vehicles provided by the Contractor shall be equipped with warning lights similar to those used by the Department. All dump trucks shall have headlights mounted to provide forward lighting over the brine truck. Communication devices shall be available in each piece of equipment so the operators can communicate with the Contractor's designated supervisor. All equipment shall be equipped with reverse gear warning devices.

GPS:

All trucks provided by the Contractor shall be equipped with permanent mounted Global Positioning Devices (GPS) **such as the GPS Trackit™ or equivalent model**. The GPS units must be accompanied with an annual monitoring subscription that will begin and cover the period between October 15 and April 15 of each year. Equipment shall be in good working condition at all times including reading surface and air temperatures on the web account. The GPS unit and monitoring subscription must demonstrate the following capabilities:

- Generate reports in a spreadsheet format
- Generate mapping
- Report every 30 sec.
- Turn-by-turn tracking
- Roadway surface temperature monitoring all trucks
- Plow and Spreader control
- Internet monitoring with NCDOT management access
- Compatible with NCDOT software, GeoTab w/ AT&T Fleet Management
- Ability to track vehicle operating speed
- Software must send alert via email or text message when desired speed has been exceeded

- Software or web application must be capable of Zone Assignments and notification
- Tampering alert notification
- Operate during extreme temperatures
- Battery backup system

The Contractor shall be responsible for all costs or charges incurred in the operation and maintenance of the equipment during the term of the contract including, but not limited to: fuel, oil, tire chains, equipment repairs, communication equipment, subscription costs etc. The Contractor will be compensated for equipment operation and incidentals at the Equipment Operating Rate define elsewhere in this contract.

The Contractor shall be responsible for the equipment provided in this contract at all times and at all locations during the term of the contract. The Contractor shall have no claim against the Department of Transportation for any expense involving damage or loss to the Contractor's equipment (including vandalism, theft, fire and acts of God) arising out of, or relating to, work performed under this agreement.

MULTI-AXLE & BRINE EQUIPMENT OPERATING RATE(TOLL):

For brine tanks sized 1600 to 3000 gallons, the unit price of **one hundred fifty-three dollars & ninety-eight cents (\$153.98)** per hour, for each piece of fully operated equipment provided under this contract. This will be the Multi-Axle & Brine Tank (Toll) Equipment Operating Rate paid to the Contractor. This operating rate shall be full compensation for labor, and incidentals necessary to complete the work. This Equipment Operating Rate will be determined by the Consumer Price Index (CPI) each renewal period.

For brine tanks sized 3001 to 5000 gallons, the unit price of **five hundred thirty three dollars and fifty cents (\$533.50)** per hour, for each piece of fully operated equipment provided under this contract. This will be the Multi-Axle & Brine Tank (Toll) Equipment Operating Rate paid to the Contractor. This operating rate shall be full compensation for labor, and incidentals necessary to complete the work. This Equipment Operating Rate will be determined by the Consumer Price Index (CPI) each renewal period.

Payment for fully operated equipment provided in this contract shall be on an hourly basis. All charges shall be determined to the nearest one-quarter (1/4) hour based upon the time the equipment was in actual productive operation. The Contractor will not be paid for downtime due to meals, equipment failure, accidents, or other conditions.

MULTI-AXLE & BRINE EQUIPMENT OPERATING RATE(NON-TOLL):

For brine tanks sized 1600 to 3000 gallons, the unit price of **one hundred forty-eight dollars & thirty-seven cents (\$148.37)** per hour, for each piece of fully operated equipment provided

under this contract. This will be the Multi-Axle & Brine Tank (Non-Toll) Equipment Operating Rate paid to the Contractor. This operating rate shall be full compensation for labor, and incidentals necessary to complete the work. This Equipment Operating Rate will be determined by the Consumer Price Index (CPI) each renewal period.

For brine tanks sized 3001 to 5000 gallons, the unit price of **five hundred thirty three dollars and fifty cents (\$533.50)** per hour, for each piece of fully operated equipment provided under this contract. This will be the Multi-Axle & Brine Tank (Toll) Equipment Operating Rate paid to the Contractor. This operating rate shall be full compensation for labor, and incidentals necessary to complete the work. This Equipment Operating Rate will be determined by the Consumer Price Index (CPI) each renewal period.

Payment for fully operated equipment provided in this contract shall be on an hourly basis. All charges shall be determined to the nearest one-quarter (1/4) hour based upon the time the equipment was in actual productive operation. The Contractor will not be paid for downtime due to meals, equipment failure, accidents, or other conditions.

TRAINING CONTRACTOR FORCES

Contractor/Operator Preparation

The Department of Transportation shall provide training session(s) and dry run(s) to familiarize all of the Contractor's personnel (both operators and supervisors) with snow removal and ice control methods, equipment, and assigned routes. Training session(s) and dry run(s) will be scheduled and completed as determined by the Engineer. Typically, dry run(s) are held during the months of October and November each year. The Department will provide the Contractor with a minimum two (2) weeks notice of scheduled training sessions and dry runs.

Training sessions consist of classroom style instruction on snow and ice control methods and materials, snowplow and spreader operation, calibration and safety issues. Dry runs include the use of equipment. At a dry run, equipment is inspected; calibrated and routes are reviewed and driven for operators to note potential application patterns and changes. During calibrations, the contractor is required to provide at least one (1) operator per truck and a minimum of one (1) supervisor or mechanic to assist with the operation.

Payment for training session(s) shall be at the **rate of \$26.61 per hour** for each person in attendance. The Department will pay the Contractor for a maximum of two (2) operators per piece of equipment provided under this agreement and for a maximum of two (2) Contractor supervisors. Payment will only be made for regularly scheduled training sessions provided by the Department of Transportation. No payment will be made for training provided to the Contractor's personnel due to operator or supervisor turnover or absence from regularly scheduled training.

Item	Sec	Description	Quantity	Unit	Unit Price	Total
1	SP	Training Contractor forces	216	HR	\$ 26.61	\$ 5,748.25
2	SP	Multi-Axle & Brine Tank Equipment Operation *1,600-3,000 GAL (Non-Toll) Rate	960	HR	\$ 148.30	\$ 142,368.00
3	SP	Multi-Axle & Brine Tank Equipment Operation *3,001-5,000 GAL (Non-Toll) Rate	960	HR	\$ 533.50	\$ 512,160.00
4	SP	Multi-Axle & Brine Tank Equipment Operation *1,600-3,000 GAL (Toll) Rate	240	HR	\$ 153.98	\$ 36,955.20
5	SP	Multi-Axle & Brine Tank Equipment Operation *3,001-5,000 GAL (Toll) Rate	240	HR	\$ 533.50	\$ 128,040.00
6	SP	Pickup Truck with Supervisor(Toll & Non-Toll)	120	HR	\$ 66.95	\$ 8,034.04
7	SP	GPS Software Subscription	6	EA	\$ 550.00	\$ 3,300.00
8	SP	Shadow Truck w/Arrow Board	5	EA	\$ 108.96	\$ 544.80