STATEMENT OF NEED (SON)

Project: *Procurement of TrailerCaddy Trailer Shifter*

1.0 Purpose:

The purpose of this contract action is to procure one (1) TrailerCaddy Trailer Shifter (or equal commercial item) to safely and efficiently maneuver semi-trailers and over-the-road (OTR) trailers weighing up to 30,000 lbs. This procurement directly supports the requiring activity's logistics and supply chain mission by ensuring timely, safe, and cost-effective movement of heavy assets within confined yard spaces without the reliance on third-party shunting services or traditional diesel yard trucks requiring CDL-certified operators.

2.0 Scope or Mission:

The scope of this requirement includes the delivery of a heavy-duty, 48-volt battery-powered trailer mover capable of zero-emissions indoor and outdoor operation. The contractor shall provide the equipment, standard commercial warranties, and all associated operator and maintenance manuals required to integrate the equipment into the installation's ground support operations.

3.0 Period and Place of Performance:

Delivery of the equipment and associated documentation is required within 45 calendar days after contract award. Delivery and all operations will take place at [redacted]

4.0 Background:

Currently, the movement of semi-trailers at the facility requires the use of standard diesel yard trucks and operators holding a Commercial Driver's License (CDL) and valid health card. This incurs significant fuel costs, maintenance overhead, and limits operational flexibility due to driver availability. The TrailerCaddy Trailer Shifter (Information available at: https://www.djproducts.com/product/trailercaddy-trailer-shifter/) has been identified as a Commercial-Off-The-Shelf (COTS) solution that costs approximately one-quarter of a traditional diesel truck and allows any trained personnel to maneuver trailers forward-facing, drastically reducing safety risks and operational bottlenecks.

5.0 Performance Objectives:

The primary performance objectives are:

Provide a self-contained, battery-operated capability to move trailers up to 30,000 lbs in confined operational footprints.

Eliminate the necessity for CDL-certified drivers to perform routine yard shunting.

Reduce localized carbon emissions and noise pollution at the loading dock via the 48-volt electric system.

Ensure safe operation through forward-facing visibility and wagon-wheel steering mechanics.

Key features and specifications of the Terminal Tractor include:

- Capacity: 30,000 lbs
- Power: 48V system with a 48V Lithium Battery Option (8 Batteries)
- Frame: Heavy Duty Steel Frame
- Control: AC Digital Controller with adjustable acceleration/braking, neutral throttle braking, and a variable speed twist grip.
- Speed: 0-1.6 mph (Forward/Reverse)
- Lift: 10" Hydraulic Pump Lift Kit
- Wheels: 10" wide x 18" diameter steer wheel and a 10" wide x 18" diameter solid drive tire.
- Safety Features: Includes a safety stop switch, safety horn, safety strobe flashing light, and an air release system with a tank.
- Additional Options: The quote also includes a pintle hitch assembly, a tall king pin, a king pin lighting kit, and a footpath lighting kit.

6.0 Deliverables / Schedule:

Key Deliverables				
Item No.	**Deliverable/Item Title**	**Description**	**Delivery Format**	**Due By**
1	TrailerCaddy Trailer Shifter Unit	Fully assembled and operational 48-volt trailer mover capable of 30,000 lbs capacity.	Physical Delivery to site	No later than 45 days after contract award
2	Operator and Maintenance Manuals	Standard commercial documentation for safe operation, troubleshooting, and routine maintenance.	Hard copy & Digital (PDF)	At time of equipment delivery
3	Commercial Warranty	Standard commercial warranty documentation covering parts and labor.	Hard copy & Digital (PDF)	At time of equipment delivery
4	600453-CD	Pintle Hitchy Assy, Chain drive	Physical Delivery to site	No later than 45 days after contract award
5	160024948V30KTTLIT8	48V Lithium Battery Option – 30KTT (8 Batteries) UB	Physical Delivery to site	No later than 45 days after contract award

6	301056	King Pin Lighting Kit	Physical Delivery to site	No later than 45 days after contract award
7	600100-Light ktWCmp	Foot Path Lighting Kit	Physical Delivery to site	No later than 45 days after contract award
8	Crate TT	Labor and material for custom built TT crate to protect unit in shipping	Physical Delivery to site	No later than 45 days after contract award

7.0 Operating Constraints:

The equipment must operate safely in both indoor and outdoor environments without emitting hazardous exhaust (must be battery-powered). The equipment must adhere to standard Department of the Air Force Occupational Safety and Health (AFOSH) standards for ground support and material handling equipment. The vendor must coordinate delivery access with the base commercial vehicle inspection gate.

8.0 Clauses

Ombudsman (Jul 2023)
(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and others for this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman does not affect the authority of the program manager, contracting officer, or source selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of protests or formal contract disputes. The ombudsman may refer the interested party to another official who can resolve the concern.
(b) Before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution. Consulting an ombudsman does not alter or postpone the timelines for any other processes (e.g., agency level bid protests, GAO bid protests, requests for debriefings, employee-employer actions, contests of OMB Circular A-76 competition performance decisions).
(c) If resolution cannot be made by the contracting officer, the interested party may contact the ombudsman, for AFGSC (Air Force Global Strike Command) acquisitions please contact the Director of Contracts, Air Force Installation Contracting Center, Operating Location - Global Strike (AFICC/KG OL-GSC) via the following e-mail workflow address: ig.afica_kg.workflow@us.af.mil. Concerns, issues, disagreements, and recommendations that cannot be resolved at the Center/MAJCOM/DRU/SMC ombudsman level, may be brought by the interested party for further consideration to the Air Force ombudsman, Associate Deputy Assistant Secretary (ADAS) (Contracting), SAF/AQC, 1060 Air Force Pentagon, Washington DC 20330-1060, phone number (571) 256-2395, facsimile number (571) 256-2431.
(d) The ombudsman has no authority to render a decision that binds the agency.
(e) Do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the contracting officer.

Elimination of Use of Class I Ozone Depleting Substances (ODS) (Jun 2024)

(a) Contractors shall not:
(1) Provide any service or product with any specification, standard, drawing, or other document that requires the use of a Class I ODS in the test, operation, or maintenance of any system, subsystem, item, component, or process; or
(2) Provide any specification, standard, drawing, or other document that establishes a test, operation, or maintenance requirement that can only be met by use of a Class I ODS as part of this contract/order.
(b) For the purposes of Department of the Air Force policy, the following products that are pure (i.e., they meet the relevant product specification identified in AFI 32-7086) are Class I ODSs:
(1) Halons: 1011, 1202, 1211, 1301, and 2402;
(2) Chlorofluorocarbons (CFCs): CFC-11, CFC-12, CFC-13, CFC-111, CFC-112, CFC-113, CFC-114, CFC-115, CFC-211, CFC-212, CFC-213, CFC-214, CFC-215, CFC-216, and CFC-217, and the blends R-500, R-501, R-502, and R-503; and
(3) Carbon Tetrachloride, Methyl Chloroform, and Methyl Bromide.

Health and Safety on Government Installations (Jul 2023)
(a) In performing work under this contract on a Government installation, the contractor shall:
(1) Take all reasonable steps and precautions to prevent accidents and preserve the health and safety of contractor and Government personnel performing or in any way coming in contact with the performance of this contract; and
(2) Take such additional immediate precautions as the contracting officer may reasonably require for health and safety purposes.
(b) The contracting officer may, by written order, direct Department of the Air Force Occupational Safety and Health (AFOSH) Standards and/or health/safety standards as may be required in the performance of this contract and any adjustments resulting from such direction will be in accordance with the Changes clause of this contract.
(c) Any violation of these health and safety rules and requirements, unless promptly corrected as directed by the contracting officer, shall be grounds for termination of this contract in accordance with the Default clause of this contract.