



CITY OF FAIRBANKS

INVITATION TO BID

**CITY OF FAIRBANKS
DEPARTMENT OF PUBLIC WORKS**

BID NUMBER: ITB-18-07

COMPACT ARTICULATED TRACTOR

**PURCHASING AGENT
CHRISTINA ROWLETT**

PHONE: 907-459-6779

FAX: 907-459-6731

Preferred Method of Communication

EMAIL: purchasing@fairbanks.us

BID OPENING – DATE/TIME: JULY 25, 2018, 2:00 PM

INVITATION TO BID

CITY OF FAIRBANKS COMPACT ARTICULATED TRACTOR ITB-18-07

Sealed bids for furnishing a new unused COMPACT ARTICULATED TRACTOR to the City of Fairbanks Public Works Department will be received by the City Clerks, City Hall, 800 Cushman Street, Fairbanks, Alaska 99701 until and including 2:00 P.M. July 25, 2018 and will then be publicly opened and read aloud in the City Council Chambers, 800 Cushman Street, Fairbanks, Alaska.

THIS BID MUST BE SUBMITTED IN A SEPARATE, SEALED ENVELOPE PLAINLY MARKED WITH THE BID OPENING DATE AND TIME AND MARKED WITH THE FORMAL BID NUMBER: ITB-18-07 FORMAL BIDS MUST BE ADDRESSED TO THE CITY CLERK.

Specifications and related bid documents may be obtained line at www.fairbanksalaska.us click on Invitations to Bid.

The City reserves the right to waive informalities not inconsistent with law and to reject any or all bids.

Purchasing Manager
City of Fairbanks

PUBLISH: FAIRBANKS DAILY NEWS MINER, July 5, 8, 2018

INFORMATION FOR BIDDERS

CITY OF FAIRBANKS COMPACT ARTICULATED TRACTOR ITB-18

1. **CONTRACT DOCUMENTS:** The "Invitation To Bid", the "Information for Bidders", "Specifications", and the "Proposal Form" shall form the contract. Vendors must examine each of the contract documents, inform themselves of the conditions and make their own estimate of any or all difficulties attendant upon furnishing the equipment as desired.
2. **DATE AND PLACE OF OPENING:** Pursuant to the "Invitation", sealed proposals will be received by the City Clerk, City Hall, 800 Cushman Street, Fairbanks, Alaska. The Proposals will then be opened and publicly read in the City Council Chambers.
3. **PRINTED FORM FOR PROPOSALS:** All proposals shall be made upon the blank "Proposal Form" attached hereto, and must clearly indicate the unit price in both figures and words. The words shall prevail. The proposal must be signed by an authorized agent of the bidder. Proposals submitted on forms other than those provided may be rejected.

In order to insure consideration and responsiveness of your proposal to bid specifications, where Bid Bond, Performance Bond and Bid Deposits are requested, your proposal shall be placed in a separated envelope from these requested documents. Bid Bonds, Performance Bond, Bid Deposits and Addendum Acknowledgements shall be placed in a separate envelope from the proposal form and shall be likewise sealed. The proposal, in a separate envelope, shall be **PLAINLY** marked with the name of the bid and the date of opening, and addressed to the City Clerk, City Hall, 800 Cushman Street, Fairbanks, Alaska 99701; other requested documents shall be in an envelope **PLAINLY** marked with the name of the bid and date of opening and marked with "PERTINENT DOCUMENTS". Both of these envelopes shall be enclosed in one envelope for mailing purposes.

4. **DOCUMENT COMPLETION:** All entries and required signatures on Bid and Contract Documents must be completed either typewritten or in **BLACK INK**.
5. **OMISSIONS AND DISCREPANCIES:** Should a vendor find discrepancies in, or omissions from, the contract/proposal documents, or should be in doubt as to their meaning, the vendor should immediately notify the Purchasing Department, 800 Cushman Street, Fairbanks, Alaska 99701, in writing, no later than seven (7) days **before** the bid opening (faxed inquiries are encouraged to 907- 459-6731), who shall then send written corrections or explanations to all known holders of the proposal documents.
6. **ACCEPTANCE OF PROPOSALS:** As soon as practicable after opening of proposals valued over \$250,000.00, the City Council will act upon them. On any transaction in excess of \$500,000.00, the City Council is the approving body. The right and obligations of the contract shall become effective and binding upon the contracting parties only after formal execution of a purchase order signed by the Purchasing Department, or a contract form signed by the Contractor and City Mayor. No other act, oral, written or implied, shall constitute acceptance of a proposal.

Awards may be made by line item when in the best interest of the City.

NO BIDS OR PROPOSALS SHALL BE ACCEPTED BY FAX.

7. **REJECTION OF BIDS:** The City shall have the authority to reject parts of all bids, or all bids for any one or more supplies or contractual services included in the proposed contract, when the public interest

will be served thereby.

8. **TIME FOR DELIVERY:** Successful bidders may be required to produce reasonable evidence from their source of supply or manufacturer to justify the delivery dates furnished with their proposals. Any unreasonable deviation from the proposed delivery dates shall constitute a breach of contract and shall entitle the City to cancel all obligations to the Contractor.
9. **DELIVERY POINT:** Bidder's proposal shall include F.O.B. City of Fairbanks, Public Works Department yard located at 2121 Peger Road.
10. **POSTPONEMENT:** The City of Fairbanks reserves the right to postpone the date of the opening of proposals and will give written notice of any such postponement to all known holders of the contract documents.
11. **LOCAL PREFERENCE:** This project is funded with Federal dollars; local preference is not allowed and will not be a factor in awarding contract.
12. **ADDITIONAL INFORMATION FOR BIDDERS:**
 - A. Brand Name or Equal - In the case where a bid call does not request a specific brand or in the case where a vendor is bidding an alternate equal to a brand which is specified on a bid call (when an "or equal" is indicated as acceptable in the bid call), the bidders must submit with their proposals the latest printed specifications and advertising literature on the product they propose to furnish. The bidders shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of the contract documents. This sheet shall be labeled "Exceptions to Bid Conditions and Specifications" and shall be attached to the proposal.
 - B. Multiple, Alternate or Conditioned Offers - Unless specifically allowed, multiple, alternate, or bid conditioned upon receiving award of all or a portion of this and/or another contract shall be deemed non-responsive, and shall be rejected.
13. **TAXES:** The City of Fairbanks does not pay excise tax and will furnish the successful bidder with Exemption Certificates upon request.
14. **PROMPT PAYMENT DISCOUNT:** The City of Fairbanks will provide payment 30 days after satisfactory delivery, acceptance and receipt of invoice.
 - A. Discounts for prompt payment will not be considered in the evaluation of offers. However, any offered discount will form a part of the award and will be taken if payment is made within the discount period indicated in the bid by the offeror.
 - B. In conjunction with discount offered for prompt payment, time shall be computed from: (1) the date of completion of performance of the services or delivery of the supplies to the carrier if acceptance is at point of origin or date of delivery at destination or port of embarkation if delivery and acceptance are at either of these locations; or (2) the date a proper invoice is received by accounts payable if the invoice is later than date of performance and delivery. For the purpose of computing the discount earned, payment shall be considered to have been made on the date which appears on the payment check or the date a wire transfer is made.
15. **SET OFFS PRIOR TO DISBURSEMENT:** Disbursement of monies by City hereunder shall be subject to set-off pursuant to the provisions of section 2.611 of the Code of Ordinances.
16. **QUESTIONS, OBJECTIONS, OR COMMENTS:** Shall be in writing and received by the Purchasing Agent no later than (7) calendar days prior to proposal opening so that any necessary amendments or clarification can be published and distributed to all known bidders. Facsimile (FAX) use is encouraged

to 907-459-6731 or email purchasing@fairbanks.us

17. **MATERIAL SAFETY DATA SHEETS:** For all material supplied under this bid, the vendor/supplier shall provide to the delivery address the applicable Material Safety Data Sheet (MSDS). MSDS must be received prior to final payment.

**SPECIFICATIONS
CITY OF FAIRBANKS**

1. GENERAL

- A. It is the intent of these specifications to describe the minimum requirements for a new, unused, COMPACT ARTICULATED TRACTOR. The unit shall be of original factory manufacture and furnished fully assembled. All parts not specifically mentioned which are required for a complete unit shall conform in design, strength, quality of material and workmanship to the highest standards of engineering practice.
- B. Unit shall be delivered ready for immediate operation and meet all Federal, State and local safety requirements.
- C. The Unit shall be the manufacturer's standard and be equipped with the manufacturer's equipment and accessories which are included as standard in the published specification for the unit. Manufacturer's descriptive literature, with itemized listing of equipment furnished, shall be submitted with bid. Bidders shall provide itemized listing of any deviation from this specification. If not so specified, all items furnished must be provided in accordance to this specification. All deviations from the manufacturer's standard or modifications to the COMPACT ARTICULATED TRACTOR shall accompany the bid, in writing, for consideration during the bid evaluation.
- D. Unit shall have full warranty coverage as specified in manufacturer's descriptive literature.
- E. Bidder shall guarantee in-state availability of warranty, maintenance and parts or furnish by air shipment at no additional charge to the City during warranty period. If an in-state warranty dealer is not available, then the City shall be authorized, in writing, by the manufacturer, to perform all warranty work. The dealer will reimburse the City for all labor and materials used during the warranty period at the established City labor rates and at delivered invoice prices.
- F. It is the intent that this unit will have an anticipated operating life of ten (10) years. Therefore, the following questions shall be answered by the manufacturer.
1. How long has the manufacturer been in the business of manufacturing this type of equipment? _____ years.
 2. Is the unit bid a current production model? ____ Yes ____ No
 3. Bidder has enclosed manufacturer's literature, specifications and all pertinent information concerning this bid? ____ Yes ____ No
 4. Bid proposal was filled out thoroughly and all pertinent information requested was provided and any deviations thoroughly explained? ____ Yes ____ No
- G. Bidder will specify date of delivery.
- H. Final payment will be made on approval and acceptance by the City of Fairbanks Public Works Department that unit meets specifications as set forth in these bid documents.
- I. Manufacturer's statement of origin and license plate registration slip shall accompany unit at time of delivery.

**CITY OF FAIRBANKS
COMPACT ARTICULATED TRACTOR
BID SPECIFICATION**

GENERAL SPECIFICATION

COMPACT ARTICULATED TRACTOR. It is the intent of these specifications to describe a new compact articulated 4x4 tractor that will meet the requirements of the City of Fairbanks Public Works Department. Production model is defined as a standard model with minimum of 10 sold and in service for 24 months or more. The unit bid shall be current year model, in new condition, not previously owned and meet or exceed the following minimum specifications.

| SPECIFICATION, TRACTOR CHASSIS HOLDER MODEL C70 OR EQUAL | COMPLY (√) | DESCRIBE EXCEPTION(S) |
|---|-----------------------|------------------------------|
| GENERAL: | | |
| A. A new, articulating four-wheel drive tractor with four equally sized wheels, diesel-powered, multi-purpose. | | |
| B. Design to be two-piece frame type with 35° articulation and 12° oscillation. Steering system to be articulated design using greaseable spherical bearings. Priority flow with safety reservoir, able to steer when motor is shut down. Two double acting cylinder design. Single steering cylinder design is not acceptable. | | |
| C. Steering valve – Orbitrol OSPC 125 LS or OSPD 125/205. Please specify. | | |
| D. Hydraulic stabilizer system consisting of 2 hydraulic cylinders acting on the pendulum at the bottom of the center section maintaining all 4 wheels on the ground. Units without the system as described are not acceptable. | | |
| E. Track width for winter use to be 46" | | |
| F. Standard equipment will incorporate 2 hydraulic accumulators to compensate the load on front 3 point arms and rear lift (optional). | | |
| G. Tractor shall have rubber isolator suspension system on front and rear axles | | |
| H. Mechanical 100% wheel lock is required. Limited slip differentials are not acceptable. | | |

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| I. Tractor must have a capacity to carry 1/3 cu yard dump body or 100 gallon water tank over the top of the engine. Tow-behind or rear/front bumper mount is not acceptable. | | |
| J. Tractor must be capable of carrying a vacuum sweeper attachment for collecting dust or grass with a hopper size of minimum ½ cu yard over the top of the engine. | | |
| K. Tractor must have a hydraulic dumping platform integrated in the chassis frame. External hydraulic harness is not acceptable | | |
| ENGINE AND DRIVE SYSTEM: | | |
| A. Engine shall be turbo-charged water-cooled Kubota 4-stroke turbo diesel, four (4) cylinder. Net 65 HP (47.3 kW/2400 rpm), Tier 4 final | | |
| B. Engine Model Kubota V2607T-CR-T-EF03 (turbo) | | |
| C. Displacement : 2.61 / 160 cu in / 2615 cm ³ | | |
| D. Full flow oil filter – spin on type | | |
| E. Engine torque – 225.0 Nm (166 lbs*ft) | | |
| HYDROSTATIC TRANSMISSION | | |
| A. Single pump hydrostatic transmission with four wheel motors to be supplied | | |
| B. Drive pump to be located in the front section of the tractor, under the cab for better balance and vehicle stability. The pump to be driven by the engine via an articulating shaft and CENTA coupling. | | |
| C. Drive pump to be Bosch – Rexroth axial piston pump; max. delivery volume – 40 GPM @ 2700 rpm; max. operating pressure – 5076 PSI | | |
| D. Hydrostatic transmission to offer continuously variable road speed with 2 speed ranges: 0-40 km/h for transport mode and appr. 0-15 km/h for working operations | | |
| E. The unit offered must have 4 radial piston Bosch-Rexroth wheel motors. | | |
| F. Wheel motors displacement to be 38 GPM with operating pressure of 4351 PSI. | | |

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| G. Tractor must offer 4 speed programs for different conditions: 2 for road travel with and without load, 2 for PTO/hydraulic operations | | |
| H. In transport mode the speed must be controlled by a single foot pedal, mechanical brake pedal and hydrostatic inch pedal. | | |
| I. For working with PTO or hydraulically driven attachments the unit must be equipped with a hand throttle control and manual fine speed adjustment with creep mode. | | |
| J. Forward/neutral/reverse to be electric toggle switch mounted on a multifunctional joystick | | |
| K. Tractor must have positive mechanical 100% wheel lock on 4 wheels, electrical-over-hydraulic, engaged by means of a toggle switch. Limited slip differentials are not acceptable. | | |
| L. Tractor must have 3 braking systems: hydrodynamic braking acting on all wheels, Knott drum service brakes on front wheels and electrical-over-hydraulic parking brake system with dashboard indicator light. | | |
| TIRES AND RIMS: | | |
| A. Heavy duty tractor rims R15 with 5x1/2" bolts. | | |
| B. Tires supplied to be 31x10.50 R15 LT winter tires (Cooper Discoverer or equivalent) | | |
| C. Tire Chains | | |
| D. Other tires for parks and slopes to be available | | |
| FRONT LIFT: | | |
| A. Standard agricultural type 3-point hitch with adjustable top link slide and reinforced hooks | | |
| B. CAT 0 to CAT II adjustable | | |
| C. Lifting capacity to be not less than 2470 lbs measured at the hooks. Please specify: | | |
| D. Lifting height to be not less than 24" | | |
| E. Front lift system to include 2 (two) double acting cylinders with lift float and oscillation float, as well as manual oscillation and down pressure equal to lifting force | | |

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| F. Front lift controls to be via multifunctional joystick – no exceptions. | | |
| WORKING HYDRAULIC SYSTEM | | |
| A. Tractor must have an additional working hydraulic pump: Bosch Rexroth or Sauer Danfoss, gear type, engine driven. Nominal delivery flow – 9 GPM at 2700 RPM. Max operating pressure 2600 psi (180 bar) | | |
| B. Working pump must have priority valve to provide delivery to steering cylinders. | | |
| C. Hydraulic control valves to be proportional electrohydraulic type. | | |
| D. Hydraulic oil tank capacity: 9.2 Gallon; fitted with suction and pressure filters (10 micron). | | |
| E. Hydraulic oil filter to be cartridge type. | | |
| F. Hydraulic fluid to be synthetic ester 46 S-NWG biodegradable | | |
| G. Working hydraulics to include 3 pairs of front low flow couplers; 1 flow divider 0-6 GPM with front and rear couplers. | | |
| H. All hydraulic couplers to be flat face leak-free type, color coded | | |
| I. High-flow hydraulic system to be optionally available: adjustable flow 0-21 GPM, with front and rear high flow couplers. | | |
| J. Tractor must be equipped with a multifunctional joystick providing the following functions: a. travel direction forward/neutral/reverse b. manual fine speed adjustment with creep mode c. front lift up and down, left and right d. front lift float e. front lift manual oscillation and oscillation float f. controls of all front couplers | | |
| PTO: | | |
| A. Tractor must come with a standard 6 spline, 1 3/8" diameter 540 RPM front PTO, mechanically driven. Hydraulic PTO is not acceptable. | | |

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| B. PTO clutch to be electro-magnetic with toggle switch engagement. Toggle switch must be located on the armrest control panel in a safe place that prevents accidental engagement. Toggle switch must be a two-step switch that prevents accidental engagement. | | |
| C. Constant PTO speed under heavy load must be provided by means of load sensing system | | |
| D. PTO shaft must have comfortable access from the outside of the tractor. PTO shaft access from inside the cab is not acceptable. | | |
| CAB AND CONTROLS: | | |
| A. One man fully isolated cab mounted on four rubber shock-absorbing mounts, ROPS certified. | | |
| B. Cab must have 3 openings: Left hand and Right hand doors with sliding windows; pop-up roof for ventilation and as an emergency exit. | | |
| C. Door to be removable without tools, door positioned with pressurized gas shock. | | |
| D. Interior sound absorbing lining; test rating 78 dbA at 2200 engine RPM | | |
| E. Sound absorbing lining with 18 lb /sq ft heavy duty vinyl surface, 3/5 inch PVC foam sublayer | | |

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| <p>F. Tilt & telescopic steering column with operating elements:</p> <ul style="list-style-type: none"> a. steering wheel b. horn button, turn signal, high/low beams and 2 speed wiper – on the left-hand lever light switch, four-way flasher, parking brake – as toggle switches on the steering column. c. Multifunctional display must have the following indicators: d. fuel gauge e. turn signal indicators f. engine tachometer with marking for PTO shaft speed – no exceptions g. cooling water temperature gauge h. high/low beam indicator light i. operating hours counter and digital speedometer j. pre-heating indicator light k. differential lock indicator light l. parking brake indicator light m. coolant temperature indicator light n. engine oil pressure indicator light o. battery indicator light | | |
| <p>G. Right hand floating arm rest, fully adjustable, with control panel</p> | | |
| <p>H. Arm rest control panel must accommodate the following controls:</p> <ul style="list-style-type: none"> a. multifunctional joystick b. travel mode selector with 4 speed programs c. hydraulic dumping platform switch d. differential lock switch – momentary (no exceptions) e. master hydraulic switch (to disengage working hydraulics in transport mode) – no exceptions f. working hydraulic flow adjustment for dumping platform and front couplers g. PTO switch h. optional hydraulic switches for high-flow hydraulics | | |
| <p>I. There shall be no operating controls located in the overhead compartment – no exceptions.</p> | | |
| <p>J. Operator’s seat to be cloth, air-ride, heated and adjustable</p> | | |
| <p>K. High performance heater with pressurized air circulation system; fresh air filter; two-speed heater fan. Nine (9) vents, capable of defrosting front, side and rear windows. Min 18,000 BTU, four (4) foot vents.</p> | | |

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| L. A/C unit must be integrated in the frame of the tractor. Roof top mounted A/C is not acceptable | | |
| M. AC controls to be located on the right-hand side upper bar together with warning beacon switch, front and rear working spotlight switches and optional heated mirror switch. | | |
| N. One piece curved windshield, extending from tractor floor to overhead location to be supplied | | |
| O. Cab must provide 360° unobstructed visibility with a dump body installed. | | |
| P. Front windshield wiper and washer (2 speed & intermittent). | | |
| Q. Two (2) exterior breakaway & adjustable rear-view mirrors (L.H. and R.H.) – optional heated mirrors to be available | | |
| ELECTRICAL SYSTEM | | |
| A. Operating voltage – 12 V DC | | |
| B. Battery – 12 V / 88 Ah | | |
| C. Three phase 90-amp 14-volt alternator | | |
| D. 12V/1.4 kW starter motor | | |
| E. Cold start glow plug | | |
| F. Lighting: all lights to be LED; Tractor must have: <ul style="list-style-type: none"> a. four (4) front headlights, with high and low beams b. one (1) rear working spotlight c. front and rear traffic lights with four way flashers d. brake lights e. mini-light bar, Amber only LED, Manuf: Soundoff-Part #EPL71PDAL-Pinnacle, NO SUBSTITUTION, center front mounted. f. interior dome light g. seven (7) prong trailer plug. | | |
| DIMENSIONS AND CAPACITIES | | |
| A. Overall length appr. 130” (including front lift arms) (319 cm) | | |
| B. Overall width with winter tires to be 45” | | |
| C. Maximum overall height with pop-up roof - 88”. | | |

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| D. Height of the rear section without superstructures to be not more than 43”. | | |
| E. Wheel Base – 72” | | |
| F. Ground clearance – 8” | | |
| G. Inside turning radius – 59” | | |
| H. Curb Weight – 3950 – 4840 lbs | | |
| I. Max. Total weight – 7715 lbs | | |
| J. Max. axle load – 5070 lbs front/rear | | |
| K. Max. payload – 3770 lbs | | |
| L. Travel speed – 0-25 MPH (0-40 km/h) | | |
| M. Fuel tank capacity 17 gallons. Fitted with inline micron fuel filter. | | |
| N. Fuel consumption to correspond to 220 g/kWh @ 1600 RPM (appr. 1.6 GAL / hour) | | |
| O. Temperature range of use: -30°C to + 50°C | | |
| MANUALS: | | |
| A. One (1) set parts and service manuals. CD, DVD or online format acceptable | | |
| TRAINING: | | |
| A. On-site training to City personnel at the City of Fairbanks Public Works facility located at 2121 Peger Road. Training shall include safety, operation, maintenance and service. | | |
| OPTIONAL ATTACHMENTS; Please use the list below or attach a list of attachments available with separate pricing from the Tractor Unit being bid | | |
| ATTACHMENT OPTIONS: | \$ PRICE | NOTES |
| A. 60” broom w/hydraulic angling capability _____ | | |

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| <p>B. 60" snow plow w/ hydraulic angling capability</p> <hr/> | | |
| <p>C. 48" broom w/hydraulic angling capability</p> <hr/> | | |
| <p>D. 48" snow plow w/ hydraulic angling capability</p> <hr/> | | |
| <p>E. Water tank and sprinkler system for brooms</p> <hr/> | | |
| <p>F. High torque boom flail mower</p> <hr/> | | |
| <p>G. Vacuum sweeper</p> <hr/> | | |
| <p>H. Other/please specify</p> <hr/> | | |

PROPOSAL

**CITY OF FAIRBANKS
COMPACT ARTICULATED TRACTOR
IT-18**

The undersigned bidder, having carefully examined the contract documents provided and referred to in the "INFORMATION TO BIDDERS" and "SPECIFICATIONS" propose to furnish the following:

One (1) each - new, unused **COMPACT ARTICULATED TRACTOR** per specifications.

ALL INFORMATION AND DOCUMENTS REQUESTED ARE COMPLETED AND ATTACHED TO THIS PROPOSAL. Yes _____ No _____

MANUFACTURER: _____

MODEL: _____

UNIT PRICE F.O.B. CITY OF FAIRBANKS PUBLIC WORKS FACILITY IN FIGURES: _____

UNIT PRICE F.O.B. CITY OF FAIRBANKS PUBLIC WORKS FACILITY IN WORDS: _____

TOTAL PRICE F.O.B. CITY OF FAIRBANKS PUBLIC WORKS FACILITY IN FIGURES: _____

TOTAL PRICE F.O.B. CITY OF FAIRBANKS PUBLIC WORKS FACILITY IN WORDS: _____

SHIP VIA: _____

TERMS AND/OR PROMPT PAYMENT DISCOUNT (IF ANY): _____

PROPOSED DELIVERY SCHEDULE: _____ DAYS A.R.O.

FIRM NAME: _____ ADDRESS: _____

BY (Print Name) : _____

SIGNATURE: _____ TELEPHONE: _____

TITLE: _____ FAX: _____

EMAIL: _____