



**THE REGIONAL MUNICIPALITY OF NIAGARA**

**REQUEST FOR QUOTATION**

**Supply and Deliver of One (1) 8,800 GVWR Cab and Chassis  
with Forestry Tip Chip Body**

**QUOTATION NUMBER: 2016-Q-56**

**ISSUE DATE: DECEMBER 14, 2016**

**CLOSING LOCATION:**

**THE PURCHASING OFFICE  
THE REGIONAL MUNICIPALITY OF NIAGARA  
CAMPBELL WEST BUILDING  
1815 SIR ISAAC BROCK WAY  
(FORMERLY, 2201 ST. DAVID'S ROAD)  
THOROLD, ONTARIO, L2V 4T7**

**CLOSING DATE AND TIME:**

**TUESDAY, JANUARY 17, 2017  
2:00 P.M. LOCAL TIME**

**TABLE OF CONTENTS**  
**(All Being Part of This Request for Quotation)**

<u>Section</u>		<u>Page</u>
1	Bid Irregularities	3
2	Definitions	5
3	Information to Bidders and General Conditions	6
4	Specification and Scope of Work	12
5	Form of Quotation	13
6	Appendix "A" - SPEC. #25A-3 - 8,800KG GVWR CAB AND CHASSIS, Specifications and Confirmation	
7	Appendix "B" - SPEC. #99G-1 - FORESTRY TIP CHIP BODY, Specifications and Confirmation	

**BID IRREGULARITIES**

**RESPONSES FOR ADMINISTERING IRREGULARITIES CONTAINED IN BIDS**

	<b><u>IRREGULARITY</u></b>	<b><u>RESPONSE</u></b>
1.	Late Bids.	Automatic rejection. Returned unopened to the bidder.
2.	Unsealed Envelopes.	Automatic rejection.
3.	<b>Insufficient Financial Security</b>	
	A) No Bid Deposit, uncertified cheque, or financial security not an original (e.g. a photocopy or a facsimile of a financial security).	Automatic rejection.
	B) Amount of financial security is insufficient:	Automatic rejection.
	i. Amount of security is expressed as a percentage of the total bid sum.	Automatic rejection, unless in the opinion of Procurement and Strategic Acquisitions and Legal and Court Services, the insufficiency in the financial security is de minimus (trivial or insignificant).
	ii. Amount of security is expressed only as a dollar figure.	Automatic rejection.
	C) i. Name or signature of Supplier is missing or incomplete.	Automatic rejection.
	ii. Seal of Supplier is missing or incomplete.	Two (2) working days* to obtain missing or incomplete items.
	D) Name, signature, or seal of bonding company is missing or incomplete.	Automatic rejection.
	E) Failure to provide a letter of agreement to bond (if required).	Automatic rejection.
4.	<b>Bid Document – execution</b>	
	A) Bids completed in erasable medium.	Automatic rejection.
	B) i. Signature of representative authorized to bind the Supplier missing or incomplete on the prescribed form which is to be submitted in response to a Bid Solicitation.	Automatic rejection.
	ii. Electronic signature of representative or absence of corporate seal authorized to bind the Supplier shown on the prescribed form which is to be submitted in response to a Bid Solicitation.	Two (2) working days* to obtain original signature.
	C) Form of Proposal missing or incomplete.	Two (2) working days* to correct to the satisfaction of Procurement and Strategic Acquisitions, otherwise automatic rejection.
	D) Form of Quotation or Tender missing or incomplete.	Automatic rejection.

<b>IRREGULARITY</b>		<b>RESPONSE</b>
E)	Signature of witness, if required, missing or incomplete.	Two (2) working days* to correct, otherwise automatic rejection.
F)	Date of Bid missing or incomplete.	Two (2) working days* to correct, otherwise automatic rejection or, if stated in the Bid Solicitation, automatic rejection.
5.	Incomplete, illegible or obscure Bids or Bids which contain information not called for, erasures, overwriting or strike outs (not initialed).	Two (2) working days* to correct to the satisfaction of Procurement and Strategic Acquisitions, otherwise automatic rejection.
6.	Document, in which all necessary Addenda have not been acknowledged.	Two (2) working days* to confirm Bid to the satisfaction of Procurement and Strategic Acquisitions or, if stated in the Bid Solicitation, automatic rejection.
7.	Failure to attend mandatory site visit (if required).	Automatic rejection.
8.	Bid received on documents other than those provided in the Bid Solicitation.	Automatic rejection, unless allowed for in the Bid Solicitation.
9.	Failure to insert the bidder's business name in the space provided in the Bid Solicitation form.	Automatic rejection unless, in the opinion of Procurement and Strategic Acquisitions and Legal and Court Services, the incomplete nature is trivial or insignificant.
10.	Mathematical errors.	Two (2) working days* to initial the corrections as made by the Corporation. Unless otherwise stated in the Bid, the unit price shall prevail and the total Bid price shall be adjusted accordingly. The Corporation reserves the right to waive initialing and accept Bid as corrected.
11.	Qualified Bids (Bids qualified or restricted by an attached statement).	Automatic rejection
12.	Bids containing minor obvious clerical errors.	Two (2) working days* to confirm Bid to the satisfaction of Procurement and Strategic Acquisitions.
13.	Any other irregularities.	The Director of Legal and Court Services, or Designate, shall have authority to waive other irregularities or grant two (2) working days * to initial such other irregularities considered to be minor.

\* Where "working days" specified, this is from the hour the Bidder is notified by Corporation staff of the irregularity

**The following are definitions (all or part) shall apply to this Quotation.**

**“Addendum” Or “Addenda”** means a document or documents issued by The Regional Municipality of Niagara as a supplement to this Request for Quotation that corrects errors, explains inconsistencies, provides clarification or responses to questions submitted by Proponents or otherwise details or updates information provided in the Request for Quotations.

**“Award”** means authorization to proceed with the purchase of Goods and/or Services from a chosen Bidder.

**“Bid”** means an offer or submission from a Bidder in response to a Request For Quotation which is subject to acceptance or rejection by The Regional Municipality of Niagara.

**“Bidder”** means any individual or organization offering Goods and/or Services including but not limited to contractors, consultants, vendors and services organizations.

**“Contract”** means a contract for the performance of the Services to be executed between The Regional Municipality of Niagara and the Successful Bidder pursuant to the terms of the Request for Proposal.

**“Council”** means the Council of The Regional Municipality of Niagara.

**“Department”** means any Department of the Region including any division within a Department.

**“General Conditions”** mean the conditions which apply to the Quotation as a whole and any subsequent contract and which the Bidder must adhere to during the Request for Quotation process and during the term of any Agreement following an Award.

**“Irrevocable Period”** means the period of time commencing after the closing date/time as detailed in the subsection titled “Irrevocable Period”, during which Bidders must keep their Bid open for acceptance by The Regional Municipality of Niagara and during which they may not withdraw its Bid. This period of time may be extended upon the written request of the Region, subject to the written acceptance by the Bidder.

**“Purchasing Services”** means that part of the Corporate Services Department responsible for purchasing all Goods and/or Services for The Regional Municipality of Niagara and can be contact at the address noted for the Purchasing Manager.

**“Request For Quotation” or “Quotation”** means a public request for Bids by the Regional Municipality of Niagara made in accordance with Section 14 of the Procurement By-law.

**“Good and/or Services”** means all services and deliverables to be provided by a Successful Bidder as described in this Quotation, issued amendments to the Quotation or agreed to through final negotiations with the Bidder and includes without limitation, the Specifications and Scope of Work detailed herein.

**“Successful Bidder”** means the selected Bidder that enters into the Contract.

**“Work”** means all services and deliveries to be provided by a Successful Bidder as described in this RFQ, issued amendments to the RFQ or agreed to through final negotiations with the Bidder and includes without limitation, the Specifications and Goods and/or Services detailed herein.

**1. Intent**

This Quotation provides for the supply and delivery one (1) 8,800 GVWR Cab and Chassis with Forestry Tip Chip Body meeting Regional Specification 25A-3 and 99G-1 to The Regional Municipality of Niagara (the "Region") in accordance with the terms and conditions of this Quotation.

**2. Date and Place for Receiving Quotations**

- a. All Bids must be received in a sealed envelope and be received by the Purchasing Office, The Regional Municipality of Niagara, Campbell West Building, 1815 Sir Isaac Brock Way, (formerly, 2201 St. David's Road), Thorold, Ontario no later than 2 p.m. local time, **Tuesday, January 17, 2017.**
- b. Bids received after this deadline will not be accepted and will be returned unopened to the Bidder. Please note that Bidders are solely responsible to ensure that their Bids are received by the Purchasing on or before the deadline. The Purchasing Office will not accept any Bid after this deadline notwithstanding the reason for its late receipt.
- c. Please also note that, in the event of any question regarding the timely receipt of any Bid, the time on the clock designated by Purchasing Services will absolutely prevail over any other time piece regardless of any discrepancies between the time on the Purchasing Services designated clock and actual time.
- d. Bids will be opened at a public meeting at 2:15 p.m. local time, **Tuesday, January 17, 2017.**
- e. A Bid may be withdrawn unopened after it has been deposited, if such request is received in writing by the Purchasing Office prior to the closing date/time. Requests for withdrawal of a Bid received after the closing date/time will not be accepted. Withdrawal of a Bid must be made in writing to the Purchasing Office and delivered by email, facsimile, registered mail, courier or in person. Any type of verbal request will not be considered. The withdrawal of a Bid shall not preclude a Bidder from submitting another Bid prior to the closing date/time. Once opened, the Bids become the property of the Region.

**3. Accessibility**

Special accessibility accommodations and materials in alternative formats can be arranged by contacting the Niagara Region's Accessibility Coordinator at 905-980-6000 ext. 3252 or [accessibility@niagararegion.ca](mailto:accessibility@niagararegion.ca).

**4. Form of Quotation**

Bids must be submitted on the attached "Form of Quotation" and enclosed in an envelope sent to the address in accordance to clause 2, which clearly identifies the document(s) enclosed as a Bid, gives note of the Bid number and the name and address of the Bidder.

All unit prices must be clearly indicated and all extensions and lump sum prices written in figures. The Bid must not be restricted by a statement added to the Form of Quotation or by a covering letter, or by alterations to the Form of Quotation as supplied, unless otherwise provided herein. Bidders will be allowed to attach descriptive literature for the sole purpose of amplifying the Bid. Adjustments by fax or letter to a quotation already submitted will not be

considered. The Form of Quotation must be properly completed and witnessed in the spaces provided on the Form of Quotation and signed by the Bidder or responsible official of the firm bidding. If a joint Bid is submitted, it MUST be signed, addressed and witnessed on behalf of each Bidder.

**5. Access to Information/Confidentiality of Information**

- The disclosure of information received relevant to Bid Solicitations or Awards shall be made by the appropriate officers in accordance with the provisions of all relevant privacy legislation including primarily the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. M.56, as amended.
- All suppliers who contract with the Region shall adhere to or exceed the standards set in the *Municipal Freedom of Information and Protection of Privacy Act* or the *Personal Health Information Protection Act, 2004*, S.O. 2004, c. 3, Sched. A, or other relevant Ontario or federal privacy legislation or common law as may be passed or amended from time to time, as if they were agents of the Region as relates to the confidential and secure treatment, including collection, use, disclosure or retention, of personal (health) information, other confidential information of the Region, and all records thereof which they come into contact with in the course of performing Services or providing Goods to the Region.

**6. Agreement on Internal Trade**

Bidders should note that procurements falling within the scope of Chapter 5, Procurement, of the Agreement on Internal Trade are subject to that chapter but that the rights and obligations of the parties shall be governed by the specific terms of each particular quotation. For further reference please see the Internal Trade Secretariat website at [www.ic.gc.ca/eic/site/ait-aci.nsf/eng/h\\_il0000.html](http://www.ic.gc.ca/eic/site/ait-aci.nsf/eng/h_il0000.html).

**7. Clarification**

It will be the Bidder's responsibility to clarify any details in question before submitting a bid. All official correspondence in regard to the specifications should be directed to and will be issued by **Carla Avard, Junior Buyer** Telephone 905-980-6000 ext. 3659, Fax 905-682-8521, the Purchasing Office of the Regional Municipality of Niagara, 1815 Sir Isaac Brock Way, (formerly 2201 St. David's Road), Thorold, Ontario. The Region bears no responsibility for any oral communication, instruction or suggestions. E-mail: [carla.avard@niagararegion.ca](mailto:carla.avard@niagararegion.ca).

Any questions must be received in writing no later than noon, Tuesday, January 10, 2017.

**8. Award**

No announcement or award is made until a written recommendation is prepared and approved in accordance to the Procurement By-law. The Award is also contingent upon the availability of approved funds.

**9. Error and Corrections**

The Region reserves the right in its total discretion to make all necessary corrections to any quotation which contains mathematical errors and may refer to the unit price in making such corrections.

**10. Collusion**

A reasonable suspicion or collusion between two or more Bidders will be sufficient cause for the rejection of all bids so affected. It will be the responsibility of the user department and Purchasing Services to determine if collusion has occurred.

**11. Failure to Perform**

Failure to comply with all the terms and conditions of this quotation, and failure to supply all documentation as required herein within the specified time period, shall be just cause for cancellation of the award. The Region shall then have the right to award to any other Bidder, or to re-quote.

**12. Interpretation of Estimates**

Quantities shown on the Form of Quotation are estimates ONLY, and shall be used as a basis for calculation upon which the award of the contract will be made. These quantities are not guaranteed to be accurate and are furnished without any liability to the Region, whether increased or decreased.

**13. Harmonized Sales Tax (HST)**

All base prices shall exclude HST. Payment under the Contract shall be subject to value added taxes in effect at the time of invoicing.

**14. Firm Prices**

Prices submitted are to be in Canadian Funds, and to include all necessary labour, material and equipment required for the execution of the work, and are to remain firm for acceptance for a period of ninety (90) days after closing date.

**15. F.O.B. Point**

All material is to be F.O.B. delivered our location.

**16. Acceptance or Rejection of Quotations**

The Region reserves the right in its total discretion to accept or reject any quotation, for any item, for any reason whatever and to accept or reject any bid if considered in its best interest, and to award by item to one or more Bidders. The lowest or any quotation will not necessarily be accepted.



**17. Bidder Performance**

The Region may, in its sole discretion, reject a bid if a Bidder:

- (i) has, at any time, threatened, commenced or engaged in legal claims or litigation against the Region;
- (ii) is involved in a claim or litigation initiated by the Region;
- (iii) previously provided goods or services to the Region in an unsatisfactory manner;
- (iv) has failed to satisfy an outstanding debt to the Region;
- (v) has a history of illegitimate, frivolous, unreasonable or invalid claims;
- (vi) provides incomplete, unrepresentative or unsatisfactory references; or
- (vii) has engaged in conduct that leads the Region to determine that it would not be in the Region's best interests to accept the bid.

**18. Limitation of Damages**

Except as expressly and specifically permitted herein, no Bidder shall have any claim for any compensation of any kind whatsoever, as a result of participating in this Quotation, and by submitting a Quotation each Bidder shall be deemed to have agreed that it has no claim.

**19. Procurement By-Law**

Bids will be solicited, received, evaluated, accepted and processed in accordance with the Region's Procurement By-law as amended from time to time. In submitting a bid in response to this solicitation, the Bidder agrees and acknowledges that it has read and will be bound by the terms and conditions of the Region's Procurement By-law.

The Procurement By-Law can be viewed on the Region's website, [www.niagararegion.ca](http://www.niagararegion.ca).

**20. Billing**

All invoices will be mailed to The Regional Municipality of Niagara, P.O. Box 1042, Thorold, Ontario, L2V 4T7.

**21. Conflict of Interest**

The Bidder shall disclose to the Region prior to award of the agreement, any potential conflict of interest. If such a conflict of interest does exist, the Region may, at its discretion, withhold the award until the matter is resolved or refuse to award.

**22. Indemnification**

The Successful Bidder shall indemnify and save harmless the Region, its elected officials, officers, employees and agents from and against any and all claims of any nature, actions, causes of action, losses, expenses, fines, costs (including legal costs), interest or damages of every nature and kind whatsoever arising out of the negligence, errors, omissions, fraud or wilful misconduct of the Successful Bidder, its officers, employees, agents and subcontractors, or any of them, attributable to or in connection with the delivery or performance of the goods and services contemplated in this quotation, except to the extent that same is attributable to or caused by the negligence of the Region, its officers, employees and agents, or any of them.

This indemnity shall be in addition to and not in lieu of any insurance to be provided by the Successful Bidder in accordance with this quotation.

**23. Minor Non-Compliance**

Bids which fail to conform to the requirements of this invitation in form or content may be disqualified as non-compliant. However, the Region may, in its sole discretion, waive minor non-compliance and retain, for consideration and possible award, bids which do not conform to the requirements of the invitation in form or content, where such bids appear to offer the best value to the Region. Bidders are cautioned that any such retention of non-conforming bids for evaluation and possible award will be a rare event and solely at the Region's discretion. Bidders are urged to ensure their bid is fully compliant with all requirements of the invitation.

**24. Unbalanced or Unreasonable Cost Estimates**

Bids that contain costs which appear to be unbalanced or unreasonable as likely to adversely affect the interests of the Owner may be rejected.

**25. Dispute Resolution**

- (a) The Corporation encourages competitive bidding and an open, accountable and transparent process for the Purchase of Goods and/or Services.
- (b) To maintain the integrity of the Bid Solicitation process, Suppliers who believe they have been treated unfairly in a Bid Solicitation process shall submit a Substantive Objection to the Director of Procurement and Strategic Acquisitions providing sufficient detail regarding their complaint within:
  - (i) 7 days from the conclusion of the Bid opening process for Request for Quotations or Request for Tenders.
  - (ii) 7 days of the Supplier being notified of the results of a Request for Pre-Qualification or Request for Expressions of Interest or Request for Proposals.
- (c) The Director of Procurement and Strategic Acquisitions will arrange a debriefing with the Supplier to explain the Bid Solicitation process that led to the selection of the successful Supplier.
- (d) The Director of Procurement and Strategic Acquisitions will investigate the complaint and will make a recommendation to the Commissioner of Corporate Services/Treasurer, CAO or Council, as appropriate.
- (e) To ensure that the Dispute Resolution process for the particular Bid Solicitation process is seen to be fair and impartial, elected officials shall not advocate on behalf of Suppliers who have submitted a Substantive Objection.
- (f) Should a Supplier continue to have concerns respecting the Award and the decision, the Supplier may then request, in writing to the Commissioner of Corporate Services/Treasurer, a mediator, to assist in resolving any outstanding issues between the Supplier and the Corporation.
- (g) The recommended mediator will be approved by both the Supplier and the Corporation.
- (h) The mediator shall make his/her best efforts to assist the parties to reach a mutually acceptable solution.

- (i) Costs for the mediator shall be equally shared by the Supplier and the Corporation.
- (j) Any resolution reached through the mediation process shall remain confidential if requested by either of the parties.

**26. Lobbying Restrictions**

- (a) Lobbying restrictions shall apply to Suppliers, their staff members, or anyone involved in preparing a Bid, shall not engage in any form of political or other Lobbying whatsoever or seek to influence the outcome of the Bid Solicitation process or subsequent Award. This restriction extends to all of the Corporation's staff and anyone involved in preparing a Bid Solicitation or participating in a Bid evaluation process, and members of Council.
- (b) The Corporation may reject any Bid by a Supplier that engages in such Lobbying, without further consideration, and may terminate that Supplier's right to continue in the Bid Solicitation process.
- (c) During a Bid Solicitation process, all communications shall be made through Procurement and Strategic Acquisitions. No Supplier or person acting on behalf of a Supplier or group of Suppliers, shall contact any elected official, consultant or any employee of the Corporation to attempt to seek information or to influence the Award.
- (d) Elected officials shall refer any inquiries about a Bid Solicitation process to the Commissioner of Corporate Services/Treasurer.

**27. Contract Award Document**

The issue of a Purchase Order or an Agreement by the Region gives rise to a Contract between the Region and the successful Bidder in accordance with the terms and conditions set out in these Instructions, the Specifications, any applicable Addenda and any other related documents.

## **SPECIFICATIONS & SCOPE OF WORK**

Please see attached **Appendix "A"**

SPEC. #25A-3      8,800KG GVWR CAB AND CHASSIS, Specifications and Confirmation

Please see attached **Appendix "B"**

SPEC. #99G-1      FORESTRY TIP CHIP BODY, Specifications and Confirmation

I/We, the undersigned, having the authority to bind the Company, certify that I/We have examined the Information to Bidders & General Conditions, Specifications & Scope of Work, and Form of Quotation, do hereby offer and agree to enter into an agreement with the Regional Municipality of Niagara to supply and deliver one (1) 8,800 GVWR Cab and Chassis with Forestry Tip Chip Body meeting Regional Specification #25A-3 and 99G-1 as described herein:

Description	Quantity	Unit of Measure	Unit Price	Total Cost
8,800 GVWR Cab and Chassis with Forestry Tip Chip Body meeting Regional Spec. #25A-3 and 99G-1	1	EA		\$
			Subtotal	\$
			HST 13%	\$
			<b>TOTAL</b>	<b>\$</b>

**The following are not included in the lowest unit cost:**

- A. Factory installed towing package \$ \_\_\_\_\_ ea
- B. Factory installed trailer brake controller \$ \_\_\_\_\_ ea
- C. Factory installed, dash mounted, fused switch pack with minimum three (3) switches \$ \_\_\_\_\_ ea
- D. Four (4) door extended cab \$ \_\_\_\_\_ ea
- E. Four (4) Wheel Drive \$ \_\_\_\_\_ ea

**Number of weeks for delivery upon receipt of PO \_\_\_\_\_**

**ADDENDUM/ADDENDA** (If applicable **must** be filled in by bidder.)

I/We, the undersigned, acknowledge that I/We have received addendum/addenda Numbers \_\_\_\_\_\* to \_\_\_\_\_\* inclusive, and that all changes specified therein have been included in the prices submitted.

<b>COMPANY:</b>	<b>CONTACT NAME:</b>
(Must Show Correct Legal Company Name)	(please print)
<b>ADDRESS:</b>	<b>SIGNATURE:</b>
	(I/We have the authority to bind the Company)
	<b>TITLE:</b>
	<b>WITNESS NAME:</b>
<b>POSTAL CODE:</b>	<b>SIGNATURE:</b>
<b>TELEPHONE NUMBER:</b>	<b>TITLE:</b>
<b>FAX NUMBER:</b>	<b>DATE:</b>
<b>E-MAIL ADDRESS (Must supply if available):</b>	

**Appendix “A” – Spec. #25A-3**

8,800KG GVWR CAB AND CHASSIS  
Specification and Confirmation Sheets

(To Be Submitted with Form of Quotation)

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 1 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

**GENERAL SPECIFICATION**

This vehicle shall be a new 2017 model with all standard equipment plus all other equipment outlined in this specification if not standard and be built in conjunction with 16 C.Y. aluminum dump body and storage cabinets, Spec #99G-1.

This unit is to be used for forestry maintenance.

Bid submitted will be considered non-compliant where minimums are not met and "NO" is specified.

**DETAILED SPECIFICATIONS**

**1. CAB AND CHASSIS**

**SPECIFY**

Ford Super Duty F-550, Ram 5500, or approved equivalent Cab and Chassis

YEAR \_\_\_\_\_

MAKE \_\_\_\_\_

MODEL \_\_\_\_\_

**2. VEHICLE WEIGHT AND DIMENSIONS**

**SPECIFY**

GVWR required 8,800kg minimum \_\_\_\_\_ kg

Payload rating, 5,300kg approximately \_\_\_\_\_ kg

Wheelbase shall be 165" approximately \_\_\_\_\_ in.

C. A. shall be 84" minimum \_\_\_\_\_ in.

Appropriate label will be attached to the vehicle confirming the front and rear G.A.W.R., tire and rim sizes \_\_\_\_\_ YES/NO

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #25A-3  
Page 2 of 7

8,800KG GVWR CAB AND CHASSIS

SPECIFICATION AND CONFIRMATION

3. AXLES

SPECIFY

Front and rear axle weight rating shall provide GVWR specified

\_\_\_\_\_ kg front

\_\_\_\_\_ kg rear

Front stabilizer bar

\_\_\_\_\_ YES/NO

Power steering

\_\_\_\_\_ YES/NO

4. WHEELS, TIRES AND RIMS

SPECIFY

Rear wheels shall be dual

\_\_\_\_\_ YES/NO

Wheels and tires shall provide GVWR specified

\_\_\_\_\_ YES/NO

Wheels

\_\_\_\_\_ in. X \_\_\_\_\_ in.

Tires

\_\_\_\_\_ size

Six (6) rims mounted with six (6) first line all season M+S rating steel belted radial truck tires shall be supplied

\_\_\_\_\_ YES/NO

5. SPRINGS

SPECIFY

Front and rear spring capacity at ground shall provide GVWR specified

\_\_\_\_\_ kg front

\_\_\_\_\_ kg rear

Heavy duty front and rear shock absorbers

\_\_\_\_\_ YES/NO

COMPANY: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_



**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 3 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

6. **ENGINE** **SPECIFY**
- A minimum **six (6)** cylinder turbo diesel engine is required having a minimum displacement of 6.7 litres \_\_\_\_\_ litres
- Net HP at rated r.p.m. \_\_\_\_\_ HP
- at \_\_\_\_\_ r.p.m.
- Engine block heater(s) compatible to engine size \_\_\_\_\_ watts
- Heavy duty cooling system \_\_\_\_\_ YES/NO
- Heavy duty fuel/water separator with in-dash warning light \_\_\_\_\_ YES/NO
7. **POWER TRAIN** **SPECIFY**
- Steering column selector shift \_\_\_\_\_ YES/NO
- Six (6) speed automatic transmission \_\_\_\_\_ YES/NO
- Transmission P.T.O. provision \_\_\_\_\_ YES/NO
- Rear axle ratio, 4.88 \_\_\_\_\_ ratio
8. **BRAKES** **SPECIFY**
- Four (4) wheel disc \_\_\_\_\_ YES/NO
- Four-wheel antilock brakes (ABS) \_\_\_\_\_ front
- \_\_\_\_\_ rear
- Dual hydraulic, power assisted, self-adjusting brakes \_\_\_\_\_ YES/NO

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 4 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

9. **ELECTRICAL** **SPECIFY**
- Dual batteries \_\_\_\_\_ YES/NO
- Battery 12 volt heavy duty, 78 amp \_\_\_\_\_ amp.hr.
- cold cranking amps, 750 \_\_\_\_\_ C C A
- minutes reserve capacity \_\_\_\_\_ M R C
- Alternator – 12 volt, 200 amp. minimum \_\_\_\_\_ amp.
- 
10. **CAB EQUIPMENT** **SPECIFY**
- Drivers and passenger front impact air bags \_\_\_\_\_ YES/NO
- Drivers and passenger side impact air bags \_\_\_\_\_ YES/NO
- The cab shall be three (3) passenger two (2) door type \_\_\_\_\_ YES/NO
- Seat shall be bench type heavy duty construction, full foam padding with heavy-duty cloth covering \_\_\_\_\_ YES/NO
- Upholstery colour gray \_\_\_\_\_ colour
- Rubber floor matting \_\_\_\_\_ YES/NO
- Intermittent electric windshield wiper system \_\_\_\_\_ YES/NO
- Adjustable and telescoping outside mirrors left and right, trailer tow mirror (2 piece convex) \_\_\_\_\_ YES/NO
- Type \_\_\_\_\_
- Size \_\_\_\_\_
- Factory installed AM/FM radio \_\_\_\_\_ YES/NO
- Factory installed air conditioning \_\_\_\_\_ YES/NO

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 5 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

11. **INSTRUMENT PANEL** **SPECIFY**
- Gauges are required. Warning lights are NOT acceptable
- Fuel gauge \_\_\_\_\_ YES/NO
- Oil pressure gauge \_\_\_\_\_ YES/NO
- Water temperature gauge \_\_\_\_\_ YES/NO
- 
12. **CHASSIS ACCESSORIES** **SPECIFY**
- Standard front bumper \_\_\_\_\_ YES/NO
- Fuel tank, aft-of-rear axle, 150 litres minimum \_\_\_\_\_ litres
- Fuel tank and filler shall be easily accessible with dump body and cabinet installed \_\_\_\_\_ YES/NO
- 
13. **LIGHTING** **SPECIFY**
- All standard lighting \_\_\_\_\_ YES/NO
- Rear directional signal lights to be frame mounted to operate in conjunction with stop, tail lights and four way flashers \_\_\_\_\_ YES/NO
- Five (5) amber identification lights on the front \_\_\_\_\_ YES/NO
- 
14. **MISCELLANEOUS** **SPECIFY**
- Antifreeze shall be supplied, -35°C \_\_\_\_\_ YES/NO
- Signed manufacturers factory warranty shall be supplied \_\_\_\_\_ YES/NO
- A line setting ticket and/or vehicle specification sheet shall be supplied indicating component sizes, capacities, ratios, etc. \_\_\_\_\_ YES/NO

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 6 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

**14. MISCELLANEOUS (Cont.)**

**SPECIFY**

Operator's manual shall be supplied one (1) per vehicle

\_\_\_\_\_ YES/NO

List all Division and repair manuals covering body and chassis, fuel (EFI), electrical, wiring, power train, driveability, emissions, trouble shooting, etc. that are available

**NOTE:** Do **NOT** include these costs in the unit price of the vehicle. The Region will select manuals as required at additional cost.

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

**15. PAINT**

**SPECIFY**

Manufacturer's standard white

\_\_\_\_\_ YES/NO

Interior to be colour-keyed to exterior

\_\_\_\_\_ YES/NO

**16. LICENCE**

**SPECIFY**

Vehicle to be licenced by Region. Dealer to supply **SIGNED N.V.I.S.** card at time of delivery

\_\_\_\_\_ YES/NO

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #25A-3  
Page 7 of 7**

**8,800KG GVWR CAB AND CHASSIS**

**SPECIFICATION AND CONFIRMATION**

**17. GENERAL**

**SPECIFY**

Vehicles must be supplied with suitable components to comply with this specification in all aspects

\_\_\_\_\_ YES/NO

Where minimums are called for, the vehicle must meet or exceed the capacity, size or performance specified

\_\_\_\_\_ YES/NO

This specification lists only the major details of a unit, therefore, it is the supplier's responsibility to deliver a fully equipped vehicle with compatible components to provide dependable and efficient service

\_\_\_\_\_ YES/NO

**18. OPTIONS**

**SPECIFY**

A. Factory installed towing package

\_\_\_\_\_ YES/NO

DESCRIBE \_\_\_\_\_  
\_\_\_\_\_

B. Factory installed trailer brake controller

\_\_\_\_\_ YES/NO

MAKE \_\_\_\_\_

MODEL \_\_\_\_\_

C. Factory installed, dash mounted, fused switch pack with minimum three (3) switches

\_\_\_\_\_ YES/NO

DESCRIBE \_\_\_\_\_  
\_\_\_\_\_

D. Four (4) door extended cab

\_\_\_\_\_ YES/NO

E. Four (4) Wheel Drive

\_\_\_\_\_ YES/NO

**COMPANY: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_**

**Appendix “B” – Spec. #99G-1**

FORESTRY TIP CHIP BODY  
Specification and Confirmation Sheets

(To Be Submitted with Form of Quotation)

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 1 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

**GENERAL SPECIFICATION**

The fitment of this equipment by the manufacturer and/or its authorized distributor shall not conflict with, nor detract from the warranty (ies) of the vehicle or vehicle component manufacturers

Bid submitted will be considered non-compliant where minimums are not met and "NO" is specified.

1. **MAKE AND MODEL**

Body to be of all aluminum manufacture

Make: \_\_\_\_\_

Model: \_\_\_\_\_

2. **CONSTRUCTION**

**SPECIFY**

**NOTE:** The following types/grades of aluminum are to be used in the fabrication of this product

All 1/8" and 3/16" sheet material to be 5083-H321 \_\_\_\_\_ YES/NO

All 1/4" sheet material to be 5083-H321, 16 % minimum, 18 % maximum elongation. \_\_\_\_\_ YES/NO

All cross members to be 6351-T6 channel 6" x 2 1/2" x 2 1/2" x 1/8" \_\_\_\_\_ YES/NO

All long sills to be 6351-T6 channel 6" x 2 1/2" x 1/4" \_\_\_\_\_ YES/NO

Body to be built suitable for the stated cab/chassis format per Spec #25A-3 \_\_\_\_\_ YES/NO

Body to be one way rearward tip in design \_\_\_\_\_ YES/NO

State body tip angle in degrees \_\_\_\_\_ degrees

State complete body weight \_\_\_\_\_ kg

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 2 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

3. **BODY DIMENSIONS**

- Cab to axle shall be 84" \_\_\_\_\_ YES/NO
- Overall length shall be 144: approximately \_\_\_\_\_ inches
- Overall width shall be 96" approximately \_\_\_\_\_ inches
- Overall height shall be 60" approximately \_\_\_\_\_ inches
- Body sides must extend over the rear duals \_\_\_\_\_ YES/NO

4. **BODY**

- Roof to be appropriately gusseted and reinforced \_\_\_\_\_ YES/NO
- Aerodynamic front section and sloped roof \_\_\_\_\_ YES/NO
- Body top and sides to be HD 1/4" aluminum \_\_\_\_\_ YES/NO
- Body sides **must be** heavily reinforced and gusseted for maximum sidewall strength \_\_\_\_\_ YES/NO
- Body side walls to have at a high level, below roof sill **three (3) screened vents each side** for chipping operations exhaust air. Apertures to be covered with 1/4" wire welded body internally, **or** by sections of multiple drilled holes \_\_\_\_\_ YES/NO
- Body side vertical supports 1/4" formed channel **minimum** \_\_\_\_\_ YES/NO
- Channel type body cross members channel on **12" centres** \_\_\_\_\_ YES/NO
- Body floor assembly to be HD 1/4" smooth aluminum. \_\_\_\_\_ YES/NO
- Body headboard to be stationary and constructed of HD 1/4" aluminum, appropriately reinforced \_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_



THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 3 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

4. **BODY (Cont'd)**

**SPECIFY**

Street side, body interior, **combination pruner pole and ladder compartment**. Upper portion for ladder storage of approximate dimensions: 12" W x 30" H, x 12' L, i.e. full body length, **with roller(s)** and internal security chain and **sloping top roof sill** and a full length shelf at 24" height level. The lower portion to store pruner pole(s)

\_\_\_\_\_ YES/NO

Ladder compartment capable of one-man operations

\_\_\_\_\_ YES/NO

Ladder/pruner pole compartment to have a one-piece **fully sealed and locking door** assembly fitted.

\_\_\_\_\_ YES/NO

**Non-slip step(s) with hand holds** to be provided at **body rear curb side** for easy access into the body.

\_\_\_\_\_ YES/NO

**Non-slip step(s)/ladder with hand holds** to be provided at **body front curb side** for easy access onto the body roof.

\_\_\_\_\_ YES/NO

**All** body weldments to be **continuous** type.

\_\_\_\_\_ YES/NO

Easily accessed **lube provisions for body tip hinge pivots**.

\_\_\_\_\_ YES/NO

**Mud flaps with anti-sail** feature to be fitted both fore **and** aft of the rear wheels

\_\_\_\_\_ YES/NO

**Body prop/safety bar** conforming as necessary to CSA/OHSA requirements, to be fitted

\_\_\_\_\_ YES/NO

5. **TAILGATE**

**SPECIFY**

Tailgate assembly, single acting, with positive locking latch and spring loaded pin(s), to be fitted.

\_\_\_\_\_ YES/NO

Tailgate to be 1-piece, barn door style, 24" high full width, **hinged curb side, HD cast aluminum hinges with lube provisions**

\_\_\_\_\_ YES/NO

Tailgate door to have "**hold-open**" feature for dumping

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 4 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

6. TOOL COMPARTMENTS

SPECIFY

All compartments vented via a flow through venting system with moisture proof front inlet and rear exit vents providing an unimpeded air flow for storage of fuel cans without permitting the ingress of water

\_\_\_\_\_ YES/NO

Tool and cross boxes are to be of integrated one piece manufacture and mounted in "L" type configuration.

\_\_\_\_\_ YES/NO

The two (2) under body tool boxes (1 @ LHS & RHS) approximate dimensions 30" length, 22" height, 21" depth and are to be of fabricated aluminum

Specify: \_\_\_\_\_

Cross box portion fitted across the chassis rails, and of approx. dimensions 24" L, 92" W, 56" H

Specify: \_\_\_\_\_

Cross box to contain as a minimum: six (6) swivel type rope hooks fitted 3 – 0 – 3 each side. Made from round stock and lockable in usage position

\_\_\_\_\_ YES/NO

Cross box to have 2 aluminum sliding trays to be capable of placement at 18" and 32" height levels

\_\_\_\_\_ YES/NO

All shelving and trays to have 2" lips and 5° angle towards the operator

\_\_\_\_\_ YES/NO

Cross box portion on curbside to have a fixed shelf at 21" height, and be open on traffic side

\_\_\_\_\_ YES/NO

Each tray and bottom of each cabinet side to be fitted with "Turtle-Tile" or equal product

\_\_\_\_\_ YES/NO

All cabinets and cross box with drain plug(s) provision(s)

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 5 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

7. **COMPARTMENT DOORS**

Tool and cross box doors to be master keyed alike, with 'T' handle latches, and have bulb type **weatherproof stripping** or equal method that provides positive sealing of all doors \_\_\_\_\_ YES/NO

Adjustable, recessed 'T' handle latches, hinges, fasteners, hardware, **must be stainless steel** \_\_\_\_\_ YES/NO

All door handles with **keyed alike HD locks**. All compartment doors to have **check chains or cables** that are vinyl coated or contained in vinyl tubing or **stainless steel flex springs or gas shocks** \_\_\_\_\_ YES/NO

Specify \_\_\_\_\_

**Aluminum drip moldings** provided over both the tops and at the leading edges of **all doors** \_\_\_\_\_ YES/NO

8. **WIRING & ELECTRICAL**

**SPECIFY**

All lighting and reflectors **shall meet** CMVSS108, DOT/MTO Regulations as may be required for Canadian operations \_\_\_\_\_ YES/NO

Clearance, ID, marker lights **recessed** & anti-shock rubber mounted.

Self-adhesive reflectors **not** acceptable \_\_\_\_\_ YES/NO

All switches to be **illuminated rocker type** contained within a labeled panel / console. All body lighting **LED** style pairing to the system used Grote "Ultra-Blue Seal" wiring harness **or** equal \_\_\_\_\_ YES/NO

Specify: \_\_\_\_\_

Chassis tail light/brake light assemblies to be **recessed** and anti-shock mounted in rubber within body structure (bottom rub rail) or protected with steel guards and mesh \_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 6 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

8. **WIRING & ELECTRICAL (Cont'd)**

**SPECIFY**

A **secondary** set of tail / brake light assemblies to be high level mounted

\_\_\_\_\_ YES/NO

Strobe flashers & strobe beacons to utilize **dash mounted** upfitter switch(es) **and be wired to function with ignition either on or off. Strobe beacons programmable flash pattern capability to be retained**

\_\_\_\_\_ YES/NO

Two (2) recessed LED anti-shock mounted **flashing amber strobes** in rear top rub rail corners within body structure

\_\_\_\_\_ YES/NO

All compartments curb side/street side to be fitted with **LED lighting** focused to maximize illumination in that compartment area. Lighting to be "on" when ignition is "live".

\_\_\_\_\_ YES/NO

OEM chassis manufacturer installed electronic brake controller will be fitted at the chassis factory. Trailer harness plug **to be** SAE 6-wire **round** type with wiring done to the stated function of each pin.

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION**

**SPEC. #99G-1  
Page 7 of 13**

**FORESTRY TIP CHIP BODY**

**SPECIFICATIONS AND CONFIRMATION**

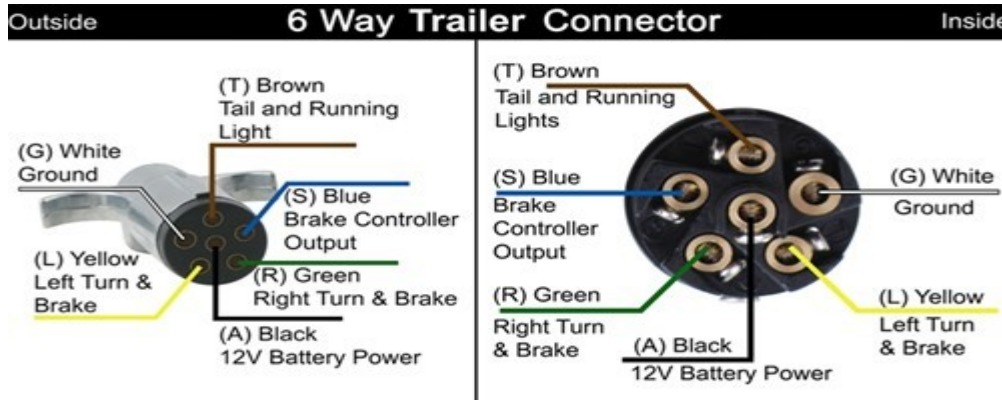
**8. WIRING & ELECTRICAL (Cont'd)**

**SPECIFY**

**TRAILER PLUG WIRING SETUP**

\_\_\_\_\_ YES/NO

- |                 |   |   |                   |   |        |
|-----------------|---|---|-------------------|---|--------|
| RIGHT TURN      | = | GREEN   | LEFT TURN         | = | YELLOW |
| GROUND          | = | WHITE   | MARKERS/ID LIGHTS | = | BROWN  |
| 'S' TERMINAL    | = | BLUE = ELECTRIC BRAKES                        |                   |   |        |
| CENTRE TERMINAL | = | BLACK = AUXILIARY ITEMS (12 VDC POWER SOURCE) |                   |   |        |



All wiring shall be loomed, conduited, ty-wrapped, or otherwise secured. Wires passing through metal structures to be protected with rubber grommets

\_\_\_\_\_ YES/NO

Scotch-Lok fold over/crimp connectors are **not** acceptable

\_\_\_\_\_ YES/NO

Connections shall be **soldered and heat shrink tubing insulated.**

\_\_\_\_\_ YES/NO

All wiring connections to utilize **dielectric grease**

\_\_\_\_\_ YES/NO

BBS-Tek # BBS102 **broadband sound ONLY back up alarm**  
102 Db(A) @ 1 m. fitted. Conforming to SAE J-994 environmental Standards. Product available from Di Can Inc. Burlington, Ontario.  
Phone: (905) 937-9652

\_\_\_\_\_ YES/NO

**COMPANY NAME** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 8 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

8. **WIRING & ELECTRICAL (Cont'd)**

**SPECIFY**

Curb side front panel of body to have an electrically driven **remote controlled spotlight. Wireless and dash remote type.** Capable of 370<sup>0</sup> horizontal, and 135<sup>0</sup> tilt usage. Go Light product # 20494 Radioray LED with **removable brush guard assembly.** Utilize OEM supplied dash mounted IP switch. **To be switched separately for usage by itself, or by the remote**

\_\_\_\_\_ YES/NO

Specify: \_\_\_\_\_

Fitted to the front top surface of the roof **at driver's and passenger sides** Star **(SWS 22311) amber strobe beacons.** **Both** units to have **removable brush guards.** **These two strobes switched to function in unison with body rear top sill amber LED strobe flashers**

\_\_\_\_\_ YES/NO

Rocker switches for strobes & searchlight to be backlit

\_\_\_\_\_ YES/NO

Heavy duty flasher solenoid for 4 - ways

\_\_\_\_\_ YES/NO

9. **PAINTING/FINISHING**

**SPECIFY**

Body finish **natural aluminum** without painting.

\_\_\_\_\_ YES/NO

Body sides, rear and top, to have 2 " wide adhesive strips of red/white colour combination retro-reflective **conspicuity tape** fitted. 3M Brand or equal and placed in accordance with DOT / MTO Regulations. **Tape fitment, high & low levels.**

\_\_\_\_\_ YES/NO

10. **TOWING EQUIPMENT**

**SPECIFY**

Pintle hook assembly mounted/reinforced to end of frame. Body shall have sufficient **overhang to avoid the tailgate striking the pintle hook** assembly when the body is raised and/or when the tailgate is lowered

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 9 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

10. TOWING EQUIPMENT (Cont'd)

SPECIFY

Pintle hook mounted 18" above ground level. Mounting plate shall also provide pre-drilled holes for one position above and below the required 18"

\_\_\_\_\_ YES/NO

A 2" ball hitch/pintle hook Byers #BH8-2000 or Reese #63011 shall be provided

\_\_\_\_\_ YES/NO

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Pintle hook mounted with four (4) SAE Grade 8 (+) x 1/2" bolts and Grade 8 (+) rated locknuts and placed approximately 18" above ground. Tow hook eyes fitted as appropriate. Pintle hook mount to have height adjustment provisions, one higher and one lower.

\_\_\_\_\_ YES/NO

Two cast iron or drop forged steel safety chain eyes equidistant either side of pintle centerline Armstrong # 30 or equal. Mounting structure of sufficient strength to support the rated capacity and be in accordance with SAE J 847 and SAE J 849 Standards.

\_\_\_\_\_ YES/NO

11. HYDRAULIC HOIST

SPECIFY

Hoist system twin arm under body type

\_\_\_\_\_ YES/NO

Venco or approved equivalent

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Hoist to be double acting, power up and down.

\_\_\_\_\_ YES/NO

Hoist mounting to be wide saddled to provide adequate weight distribution to truck frame

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 10 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

11. HYDRAULIC HOIST (Cont'd)

SPECIFY

State hoist capacity

Specify: \_\_\_\_\_ tons

Hoist to be at least NTEA Class C/Class 20 rated.

\_\_\_\_\_ YES/NO

Easily accessible controls mounted inside cab.

\_\_\_\_\_ YES/NO

Hydraulics provided by PTO system off the vehicle transmission  
or under hood engine powered system. With PTO engaged light.

\_\_\_\_\_ YES/NO

Chelsea series 249 PTO and suitable pump assembly

Make: \_\_\_\_\_

Model: \_\_\_\_\_

State pump capacity and system PSI.                      GPM \_\_\_\_\_ @ \_\_\_\_\_ PSI

State reservoir capacity

Specify: \_\_\_\_\_

Reservoir to have suction and return line filters                      \_\_\_\_\_ YES/NO

Reservoir to have drain plug, sight gauge, and filler neck cap/filter                      \_\_\_\_\_ YES/NO

Hydraulic hosing to be at least SAE 100R1 rated                      \_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_



THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 11 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

12. WARRANTY

SPECIFY

A signed manufacturer's warranty to be submitted with tender

\_\_\_\_\_ YES/NO

TERMS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

13. MISCELLANEOUS

SPECIFY

One bumper front mounted cone holder capable of handling 28" cone units. Front mount not to interfere with raising the engine hood nor flasher visibility

\_\_\_\_\_ YES/NO

One rear street side mounted cone holder capable of handling (6) 28" sized cones. Provide adequate clearance from exhaust piping

\_\_\_\_\_ YES/NO

List recent installation by bidder near or within the Niagara Region that are available for inspection

\_\_\_\_\_ YES/NO

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Cab and chassis unit will be delivered to the successful bidder for installation of this equipment and the completed until will be picked up by the Region

\_\_\_\_\_ YES/NO

The completed installation must be guaranteed to operate effectively and will be subject to inspection by the Region and any deficiencies corrected by the bidder prior to final acceptance

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 12 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

13. MISCELLANEOUS (Cont'd)

SPECIFY

List any equipment that is being supplied which is not being identified in this specification and which may provide operational or maintenance benefits

---

---

---

List any optional equipment available which is not identified in this specification and which may provide operational or maintenance benefits

---

---

---

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

THE REGIONAL MUNICIPALITY OF NIAGARA  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

SPEC. #99G-1  
Page 13 of 13

FORESTRY TIP CHIP BODY

SPECIFICATIONS AND CONFIRMATION

14. GENERAL

SPECIFY

Equipment must be supplied with suitable components to comply with this specification in all aspects

\_\_\_\_\_ YES/NO

Where minimums are called for, the equipment must meet or exceed the capacity, size or performance specified

\_\_\_\_\_ YES/NO

This specification lists only the major details of a unit, therefore, it is the supplier's responsibility to deliver fully equipped equipment with compatible components to provide dependable and efficient service

\_\_\_\_\_ YES/NO

COMPANY NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_