

A-58-17



County

Nassau

Office of Purchasing

**Staff Summary A-58- 2017**

|  |
|--|
| Subject: Pumper Truck Initial Attack Fire Apparatus<br>(RQPW17000222; S/B # 07053-11087-167) |
| Department:<br>Office of Purchasing  |
| Department Head Name:<br>Robert Cleary   |
| Department Head Signature<br><i>Robert Cleary</i>  |

|  |
|--|
| Date: November 17, 2017                  |
| Vendor Name:<br>L. I. Proliner Inc.      |
| Contract Number<br>A-58-2017             |
| Contract Manager Name<br>Anette Sullivan |

| Proposed Legislative Action |            |      |          |      |       |
|-----------------------------|------------|------|----------|------|-------|
|                             | To         | Date | Approval | Info | Other |
|                             | Assgn Comm |      |          |      |       |
|                             | Rules Comm |      |          |      |       |
|                             | Full Leg   |      |          |      |       |

| Internal Approvals         |             |                             |                 |
|----------------------------|-------------|-----------------------------|-----------------|
| Date & Init.               | Approval    | Date & Init.                | Approval        |
|                            | Dept. Head  | <i>[Signature]</i> 12/5/17  | Counsel to C.E. |
|                            | Budget      | <i>[Signature]</i> 12/17/17 | County Atty.    |
| 11/5/17 <i>[Signature]</i> | Deputy C.E. |                             | County Exec.    |

**Narrative**

**Purpose:** To authorize and award a purchase order for a Pumper Truck Initial Attack Fire Apparatus for the Nassau County Fire Marshal.

**Discussion:** This solicitation was advertised in Newsday and posted to the Nassau County Bid Solicitation Board where five (5) vendors viewed the bid. Minority Affairs was given a copy of the bid. One (1) bid was received.

**Impact on Funding:** A purchase order in the amount of Two Hundred Fifty-Seven Thousand Two Hundred Forty-Seven Dollars (\$257, 247) from Capital Project 52029.

**Recommendation:** Office of Purchasing recommends an award be made to L.I. Proliner Inc., as the lowest responsible bidder meeting specifications.

APPROVED:

*[Signature]* 11/29/17

2017 DEC - 8 - 330 1102

 RECEIVED  
 NASSAU COUNTY  
 CLERK OF THE LEGISLATURE

RULES RESOLUTION

2017

A RESOLUTION AUTHORIZING THE DIRECTOR OF NASSAU COUNTY OFFICE OF PURCHASING TO AWARD AND EXECUTE A CONTRACT BETWEEN THE COUNTY OF NASSAU ACTING ON BEHALF OF THE NASSAU COUNTY FIRE MARSHAL AND L. I. PROLINER INC.

WHEREAS, the County of Nassau on behalf of the NASSAU COUNTY OFFICE OF PURCHASING has received competitive bids 07053-11087-167 for pumper truck initial attack fire apparatus for the Nassau County Fire Marshal as more particularly described in the bid document; and

WHEREAS, the Director is representing to the Rules Committee that the firm, L. I. PROLINER INC. submitted the lowest responsible bid and meets all specifications for the product described in the said contract as determined by the Director of the Office of Purchasing.

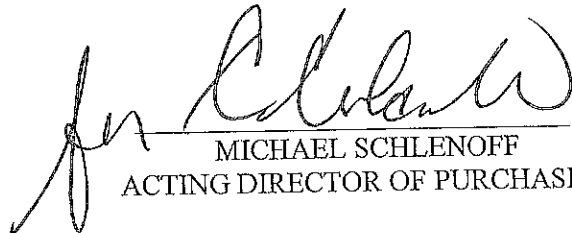
RESOLVED, that the Rules Committee of the Nassau County Legislature authorizes the Director, Office of Purchasing to award and execute the said Purchase Order with L. I. PROLINER INC.

COUNTY OF NASSAU  
INTER – DEPARTMENTAL MEMO

**TO:** CLERK OF THE COUNTY LEGISLATURE **A-58-2017**  
**FROM:** ROBERT CLEARY-DIRECTOR OF PROCUREMENT COMPLIANCE  
**DATE:** NOVEMBER 22, 2017  
**SUBJECT:** RESOLUTION-NASSAU COUNTY FIRE MARSHAL

THIS RESOLUTION IS RECOMMENDED BY THE DIRECTOR, OFFICE OF PURCHASING TO AUTHORIZE AN AWARD AND TO EXECUTE A PURCHASE ORDER IN THE AMOUNT OF TWO HUNDRED FIFTY-SEVEN THOUSAND TWO HUNDRED FORTY-SEVEN DOLLARS (\$257,247.00) ON BEHALF OF NASSAU COUNTY FIRE MARSHAL TO L. I. PROLINER INC. WHO IS THE LOWEST RESPONSIBLE BIDDER MEETING SPECIFICATIONS TO PROVIDE A PUMPER TRUCK INITIAL ATTACK FIRE APPARATUS FOR THE NASSAU COUNTY FIRE MARSHAL.

THE ABOVE DESCRIBED DOCUMENT ATTACHED HERETO IS FORWARDED FOR YOUR REVIEW AND APPROVAL AND SUBSEQUENT TRANSMITTAL TO THE RULES COMMITTEE FOR INCLUSION IN ITS AGENDA.

  
MICHAEL SCHLENOFF  
ACTING DIRECTOR OF PURCHASING

MS: br

ENCL: (1) STAFF SUMMARY  
(2) DISCLOSURE STATEMENT  
(3) RESOLUTION  
(4) BID SUMMARY  
(5) BID PROPOSAL  
(6) CERTIFICATE OF LIABILITY INSURANCE  
(7) RECOMMENDATION OF AWARD  
(8) POLITICAL CONTRIBUTION FORM





COUNTY OF NASSAU

POLITICAL CAMPAIGN CONTRIBUTION DISCLOSURE FORM

1. Has the vendor or any corporate officers of the vendor provided campaign contributions pursuant to the New York State Election Law in (a) the period beginning April 1, 2016 and ending on the date of this disclosure, or (b), beginning April 1, 2018, the period beginning two years prior to the date of this disclosure and ending on the date of this disclosure, to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator? If yes, to what campaign committees?

None.

2. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

The undersigned further certifies and affirms that the contribution(s) to the campaign committees identified above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.

Dated: 10/20/17

Vendor: L.I. Proliner Inc

Signed: [Signature]

Print Name: Vasilios Hadzigeorgiou

Title: President

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Page 1 of 4

COUNTY OF NASSAU

LOBBYIST REGISTRATION AND DISCLOSURE FORM

1. Name, address and telephone number of lobbyist(s)/lobbying organization. The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

None

2. List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

None

3. Name, address and telephone number of client(s) by whom, or on whose behalf, the lobbyist is

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retained, employed or designated: \_\_\_\_\_

Page 2 of 4

None

4. Describe lobbying activity conducted, or to be conducted, in Nassau County, and identify client(s) for each activity listed. See page 4 for a complete description of lobbying activities.

None

5. The name of persons, organizations or governmental entities before whom the lobbyist expects to lobby

None

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6. If such lobbyist is retained or employed pursuant to a written agreement of retainer or employment, you must attach a copy of such document; and if agreement of retainer or employment is oral, attach a written statement of the substance thereof. If the written agreement of retainer or employment does not contain a signed authorization from the client by whom you have been authorized to lobby, separately attach such a written authorization from the client.

7. During the previous year, has the lobbyist/lobbying organization or any of its corporate officers provided campaign contributions pursuant to the New York State Election Law to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator?

If yes, to what campaign committee? If none, you must so state:

None

I understand that copies of this form will be sent to the Nassau County Department of Information Technology ("IT") to be posted on the County's website.

I also understand that upon termination of retainer, employment or designation I must give written notice to the County Attorney within thirty (30) days of termination.

VERIFICATION: The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

The undersigned further certifies and affirms that the contribution(s) to the campaign committees listed above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.

Dated: 11-2-17

Signed: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Vasilios Hadzigeorgiou  
President

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Page 4 of 4:

**The term lobbying shall mean any attempt to influence:** any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including but not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing;

the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

**The term "lobbying" or "lobbying activities" does not include:** Persons engaged in drafting legislation, rules, regulations or rates; persons advising clients and rendering opinions on proposed legislation, rules, regulations or rates, where such professional services are not otherwise connected with legislative or executive action on such legislation or administrative action on such rules, regulations or rates; newspapers and other periodicals and radio and television stations and owners and employees thereof, provided that their activities in connection with proposed legislation, rules, regulations or rates are limited to the publication or broadcast of news items, editorials or other comment, or paid advertisements; persons who participate as witnesses, attorneys or other representatives in public rule-making or rate-making proceedings of a County agency, with respect to all participation by such persons which is part of the public record thereof and all preparation by such persons for such participation; persons who attempt to influence a County agency in an adjudicatory proceeding, as defined by § 102 of the New York State Administrative Procedure Act.

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OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK

## FORMAL SEALED BID PROPOSAL

**PRINCIPAL QUESTIONNAIRE FORM**

All questions on these questionnaires must be answered by all officers and any individuals who hold a ten percent (10%) or greater ownership interest in the proposer. Answers typewritten or printed in ink. If you need more space to answer any question, make as many photocopies of the appropriate page(s) as necessary and attach them to the questionnaire.

**COMPLETE THIS QUESTIONNAIRE CAREFULLY AND COMPLETELY. FAILURE TO SUBMIT A COMPLETE QUESTIONNAIRE MAY MEAN THAT YOUR BID OR PROPOSAL WILL BE REJECTED AS NON-RESPONSIVE AND IT WILL NOT BE CONSIDERED FOR AWARD**

1. Principal Name Vasilios Hadzigeorgiou  
 Date of birth 7 / 23 / 1977  
 Home address 3 Hulse Ct  
 City/state/zip Patchogue NY 11772  
 Business address 18 Peconic Ave  
 City/state/zip Medford NY 11763  
 Telephone 631 447 9558  
 Other present address(es) \_\_\_\_\_  
 City/state/zip \_\_\_\_\_  
 Telephone \_\_\_\_\_  
 List of other addresses and telephone numbers attached \_\_\_\_\_
2. Positions held in submitting business and starting date of each (check all applicable)  
 President 7 / 23 / 1996 Treasurer 7 / 23 / 1996  
 Chairman of Board \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Shareholder 7 / 23 / 1996  
 Chief Exec. Officer \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Secretary 7 / 23 / 1996  
 Chief Financial Officer \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Partner \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Vice President \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 (Other) \_\_\_\_\_
3. Do you have an equity interest in the business submitting the questionnaire?  
 YES ☒ NO ☐ If Yes, provide details. Owner.
4. Are there any outstanding loans, guarantees or any other form of security or lease or any other type of contribution made in whole or in part between you and the business submitting the questionnaire?  
 YES ☐ NO ☒ If Yes, provide details.
5. Within the past 3 years, have you been a principal owner or officer of any business or not-for-profit organization other than the one submitting the questionnaire? YES ☐ NO ☒ If Yes, provide details.
6. Has any governmental entity awarded any contracts to a business or organization listed in Section 5 in the past 3 years while you were a principal owner or officer? YES ☐ NO ☒ If Yes, provide details.

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6. Has any governmental entity awarded any contracts to a business or organization listed in Section 5 in the past 3 years while you were a principal owner or officer? YES \_\_\_ NO X If Yes, provide details.

NOTE: An affirmative answer is required below whether the sanction arose automatically, by operation of law, or as a result of any action taken by a government agency.

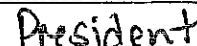
Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.

7. In the past (5) years, have you and/or any affiliated businesses or not-for-profit organizations listed in Section 5 in which you have been a principal owner or officer:
- a. Been debarred by any government agency from entering into contracts with that agency? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - b. Been declared in default and/or terminated for cause on any contract, and/or had any contracts cancelled for cause? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - c. Been denied the award of a contract and/or the opportunity to bid on a contract, including, but not limited to, failure to meet pre-qualification standards? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - d. Been suspended by any government agency from entering into any contract with it; and/or is any action pending that could formally debar or otherwise affect such business's ability to bid or propose on contract? YES \_\_\_ NO X If Yes, provide details for each such instance.
8. Have any of the businesses or organizations listed in response to Question 5 filed a bankruptcy petition and/or been the subject of involuntary bankruptcy proceedings during the past 7 years, and/or for any portion of the last 7 year period, been in a state of bankruptcy as a result of bankruptcy proceedings initiated more than 7 years ago and/or is any such business now the subject of any pending bankruptcy proceedings, whenever initiated? If 'Yes', provide details for each such instance. (Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.)
- a) Is there any felony charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - b) Is there any misdemeanor charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - c) Is there any administrative charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - d) In the past 10 years, have you been convicted, after trial or by plea, of any felony, or of any other crime, an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? YES \_\_\_ NO X If Yes, provide details for each such conviction.
  - e) In the past 5 years, have you been convicted, after trial or by plea, of a misdemeanor? YES \_\_\_ NO X If Yes, provide details for each such conviction.

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- f) In the past 5 years, have you been found in violation of any administrative or statutory charges?  
YES \_\_\_\_ NO X If Yes, provide details for each such occurrence.
9. In addition to the information provided in response to the previous questions, in the past 5 years, have you been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency and/or the subject of an investigation where such investigation was related to activities performed at, for, or on behalf of the submitting business entity and/or an affiliated business listed in response to Question 5? YES \_\_\_\_ NO X If Yes, provide details for each such investigation.
10. In addition to the information provided, in the past 5 years has any business or organization listed in response to Question 5, been the subject of a criminal investigation and/or a civil anti-trust investigation and/or any other type of investigation by any government agency, including but not limited to federal, state, and local regulatory agencies while you were a principal owner or officer? YES \_\_\_\_ NO X If Yes; provide details for each such investigation.
11. In the past 5 years, have you or this business, or any other affiliated business listed in response to Question 5 had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held? YES \_\_\_\_ NO X If Yes; provide details for each such instance.
12. For the past 5 tax years, have you failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges? YES \_\_\_\_ NO X If Yes, provide details for each such year.

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**CERTIFICATION**

A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.

I, V. Hadzigeorgian, being duly sworn, state that I have read and understand all the items contained in the foregoing pages of this questionnaire and the following pages of attachments; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this questionnaire and before the execution of the contract; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this questionnaire as additional inducement to enter into a contract with the submitting business entity.

Sworn to before me this 2 day of November 2017

  
Notary Public

THOMAS CONDEMI  
Notary Public - State of New York  
NO. 01CO6355331  
Qualified In Suffolk County  
My Commission Expires Mar 6, 2021

L.I. Proliner inc  
Name of submitting business

V. Hadzigeorgian  
Print name

[Signature]  
Signature

Pres  
Title

11 / 2 / 17  
Date

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Business History Form

The contract shall be awarded to the responsible proposer who, at the discretion of the County, taking into consideration the reliability of the proposer and the capacity of the proposer to perform the services required by the County, offers the best value to the County and who will best promote the public interest.

In addition to the submission of proposals, each proposer shall complete and submit this questionnaire. The questionnaire shall be filled out by the owner of a sole proprietorship or by an authorized representative of the firm, corporation or partnership submitting the Proposal.

**NOTE: All questions require a response, even if response is "none". No blanks.**

(USE ADDITIONAL SHEETS IF NECESSARY TO FULLY ANSWER THE FOLLOWING QUESTIONS).

Date: 11-2-17

1) Proposer's Legal Name: L.I. Proliner Inc

2) Address of Place of Business: 18 Peconic Ave Medford NY 11763

List all other business addresses used within last five years:

None

3) Mailing Address (if different): \_\_\_\_\_

Phone: 631 447 9558

Does the business own or rent its facilities? Own

4) Dun and Bradstreet number: \_\_\_\_\_

5) Federal I.D. Number: 11 3330825

6) The proposer is a (check one): \_\_\_\_\_ Sole Proprietorship \_\_\_\_\_ Partnership X Corporation \_\_\_\_\_ Other (Describe) \_\_\_\_\_

7) Does this business share office space, staff, or equipment expenses with any other business? Yes \_\_\_\_\_ No X If Yes, please provide details: \_\_\_\_\_

8) Does this business control one or more other businesses? Yes \_\_\_\_\_ No X If Yes, please provide details: \_\_\_\_\_

9) Does this business have one or more affiliates, and/or is it a subsidiary of, or controlled by, any other business? Yes \_\_\_\_\_ No X If Yes, provide details: \_\_\_\_\_

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OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK


FORMAL SEALED BID PROPOSAL  
07053-11087-167

- 10) Has the proposer ever had a bond or surety cancelled or forfeited, or a contract with Nassau County or any other government entity terminated? Yes \_\_\_ No X If Yes, state the name of bonding agency, (if a bond), date, amount of bond and reason for such cancellation or forfeiture: or details regarding the termination (if a contract). \_\_\_\_\_
- 11) Has the proposer, during the past seven years, been declared bankrupt? Yes \_\_\_ No X If Yes, state date, court jurisdiction, amount of liabilities and amount of assets \_\_\_\_\_
- 12) In the past five years, has this business and/or any of its owners and/or officers and/or any affiliated business, been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency? And/or, in the past 5 years, have any owner and/or officer of any affiliated business been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency, where such investigation was related to activities performed at, for, or on behalf of an affiliated business.  
Yes \_\_\_ No X If Yes, provide details for each such investigation. \_\_\_\_\_
- 13) In the past 5 years, has this business and/or any of its owners and/or officers and/or any affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies? And/or, in the past 5 years, has any owner and/or officer of an affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies, for matters pertaining to that individual's position at or relationship to an affiliated business. Yes \_\_\_ No X If Yes, provide details for each such investigation. \_\_\_\_\_
- 14) Has any current or former director, owner or officer or managerial employee of this business had, either before or during such person's employment, or since such employment if the charges pertained to events that allegedly occurred during the time of employment by the submitting business, and allegedly related to the conduct of that business:
- a) Any felony charge pending? Yes \_\_\_ No X If Yes, provide details for each such charge. \_\_\_\_\_
- b) Any misdemeanor charge pending? Yes \_\_\_ No X If Yes, provide details for each such charge. \_\_\_\_\_
- c) In the past 10 years, you been convicted, after trial or by plea, of any felony and/or any other crime, an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? Yes \_\_\_ No X If Yes, provide details for each such conviction \_\_\_\_\_

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d) In the past 5 years, been convicted, after trial or by plea, of a misdemeanor?

Yes \_\_\_ No X If Yes, provide details for each such conviction. \_\_\_\_\_

e) In the past 5 years, been found in violation of any administrative, statutory, or regulatory provisions? Yes \_\_\_ No X If Yes, provide details for each such occurrence. \_\_\_\_\_

15) In the past (5) years, has this business or any of its owners or officers, or any other affiliated business had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held? Yes \_\_\_ No X; If Yes, provide details for each such instance. \_\_\_\_\_

16) For the past (5) tax years, has this business failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges? Yes \_\_\_ No X If Yes, provide details for each such year. Provide a detailed response to all questions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the questionnaire. \_\_\_\_\_

Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.

17) Conflict of Interest:

a) Please disclose any conflicts of interest as outlined below. **NOTE: If no conflicts exist, please expressly state "No conflict exists."**

(i) Any material financial relationships that your firm or any firm employee has that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflict exists

(ii) Any family relationship that any employee of your firm has with any County public servant that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflict exists

(iii) Any other matter that your firm believes may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflict exists

b) Please describe any procedures your firm has, or would adopt, to assure the County that a conflict of interest would not exist for your firm in the future.

I will contact the County should a potential conflict arise and be guided accordingly

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OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK

FORMAL SEALED BID PROPOSAL

- ii) Name, addresses, and position of all persons having a financial interest in the company, including shareholders, members, general or limited partner; Vasilios Hadzigeorgiou President  
3 Hulse Ct Patchogue NY 11763
- iii) Name, address and position of all officers and directors of the company; Vasilios Hadzigeorgiou President  
3 Hulse Ct Patchogue NY 11763
- iv) State of Incorporation (if applicable); New York State
- v) The number of employees in the firm; 13
- vi) Annual revenue of firm; 5 million
- vii) Summary of relevant accomplishments. We currently hold a 5 year Blanket order with Nassau County for Ambulances. We do business with all of Suffolk and Nassau County as well as Yonkers and Westchester.
- viii) Copies of all state and local licenses and permits.

B. Indicate number of years in business. 21 years.

- C. Provide any other information which would be appropriate and helpful in determining the Proposer's capacity and reliability to perform these services. We've been an active vendor with Nassau County for over 15 years.
- D. Provide names and addresses for no fewer than three references for whom the Proposer has provided similar services or who are qualified to evaluate the Proposer's capability to perform this work.

Company Selden Fire District

Contact Person John Bartnick

Address PO Box 870

City/State Selden NY 11784

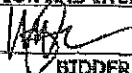
Telephone 631 732 5570

Fax # \_\_\_\_\_

E-Mail Address Seldenex3022@yahoo.com

ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.

BIDDER SIGN HERE

  
BIDDER

President

TITLE



OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK


FORMAL SEALED BID PROPOSAL  
07053-11087-167

Company North Patchogue Fire Department  
Contact Person Joe Badula  
Address 33 Davidson Ave  
City/State North Patchogue NY 11772  
Telephone 631 475 1788  
Fax # \_\_\_\_\_  
E-Mail Address Districtmgr@NorthPatchogueFD.org

Company Yonkers Police Department  
Contact Person Dennis Borrelli  
Address 1106 Yonkers Ave  
City/State Yonkers NY 10704  
Telephone 914 557 5528  
Fax # 914 377 7392  
E-Mail Address ToYbuff911@aol.com

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BIDDER

President  
TITLE

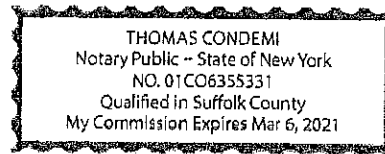
CERTIFICATION

A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.

I, V Hadzigeorgiou, being duly sworn, state that I have read and understand all the items contained in the foregoing pages of this questionnaire and the following pages of attachments; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this questionnaire and before the execution of the contract; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this questionnaire as additional inducement to enter into a contract with the submitting business entity.

Sworn to before me this 2 day of November 2017

[Signature]  
Notary Public



Name of submitting business: LI Proline inc

By: V Hadzigeorgiou  
Print name

[Signature]  
Signature

Pres  
Title

11/2/17  
Date

ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.

BIDDER SIGN HERE

[Signature]  
BIDDER

President  
TITLE



New York State Department of Motor Vehicles

# OFFICIAL BUSINESS CERTIFICATE

THIS CERTIFICATE EXPIRES 10/31/18

FACILITY IDENTIFICATION NO. 7083101 TRS

Validation Date and Number: 09/27/16 15134

This person is REGISTERED AS A  
TRANSPORTER  
pursuant to the provisions of the Vehicle and Traffic Law.

LI PROLINER INC  
18 PECONIC AV UNIT 1  
MEDFORD NY 11763



This document does not certify that this business complies with zoning and other local laws.  
**POST IN A CONSPICUOUS PLACE**

MV-61P (11/05)



New York State Department of Motor Vehicles

# OFFICIAL BUSINESS CERTIFICATE

THIS CERTIFICATE EXPIRES 10/31/18

FACILITY IDENTIFICATION NO. 7083101 ISP

Validation Date and Number: 09/27/16 15133

This person is LICENSED AS A  
PUBLIC INSPECTION STATION  
pursuant to the provisions of the Vehicle and Traffic Law.  
1A-3B

LI PROLINER INC  
18 PECONIC AV UNIT 1  
MEDFORD NY 11763



This document does not certify that this business complies with zoning and other local laws.  
**POST IN A CONSPICUOUS PLACE**

MV-61P (11/05)



New York State Department of Motor Vehicles  
**OFFICIAL BUSINESS  
CERTIFICATE**

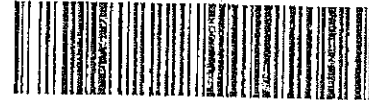
THIS CERTIFICATE EXPIRES 10/31/18  
FACILITY IDENTIFICATION NO. 7083101

Validation Date and Number: 09/27/16 15135

This person is REGISTERED AS A  
DEALER

pursuant to the provisions of the Vehicle and Traffic Law.

LI PROLINER INC  
18 PECONIC AV UNIT 1  
MEDFORD NY 11763



DMV-61P (11/95)

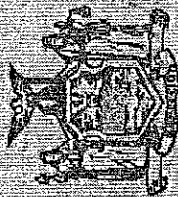
This document does not certify that this business complies with zoning and other local laws  
**POST IN A CONSPICUOUS PLACE**

New York State Department of Taxation and Finance  
**Certificate of Authority**

Identification number

**11-3330825**

*(Use this number on all returns and correspondence)*



**VALIDATED**

**12/21/2009**

Dept of Tax  
and Finance

L.I. PROLINER, INC.  
18 PECONIC AVE  
MEDFORD NY 11763-3200

is authorized to collect sales and use taxes under Articles 28 and 29 of the New York State Tax Law.

**Nontransferable**

This certificate must be prominently displayed at your place of business.  
Fraudulent or other improper use of this certificate will cause it to be revoked.  
The certificate may not be photocopied or reproduced.

**405011108009A**

1DC3 - 3560635 P000286-01

**DTF-17-A-R (11/08)**

Page 1 of 4

COUNTY OF NASSAU

CONSULTANT'S, CONTRACTOR'S AND VENDOR'S DISCLOSURE FORM

1. Name of the Entity: L.I. Proliner Inc  
Address: 18 Peconic Ave  
City, State and Zip Code: Medford NY 11763
2. Entity's Vendor Identification Number: 113330285
3. Type of Business: ☐ Public Corp ☐ Partnership ☐ Joint Venture  
☐ Ltd. Liability Co ☒ Closely Held Corp ☐ Other (specify)

4. List names and addresses of all principals; that is, all individuals serving on the Board of Directors or comparable body, all partners and limited partners, all corporate officers, all parties of Joint Ventures, and all members and officers of limited liability companies (attach additional sheets if necessary):

Vasilios Hadzigeorgiou 3 Hulse Ct Patchogue NY 11772

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. List names and addresses of all shareholders, members, or partners of the firm. If the shareholder is not an individual, list the individual shareholders/partners/members. If a Publicly held Corporation include a copy of the 10K in lieu of completing this section.

Vasilios Hadzigeorgiou 3 Hulse ct Patchogue NY 11772

\_\_\_\_\_

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BIDDER SIGN HERE

WJH  
BIDDER

President  
TITLE

Page 2 of 4

6. List all affiliated and related companies and their relationship to the firm entered on line 1. above (if none, enter "None"). Attach a separate disclosure form for each affiliated or subsidiary company that may take part in the performance of this contract. Such disclosure shall be updated to include affiliated or subsidiary companies not previously disclosed that participate in the performance of the contract.

None

7. List all lobbyists whose services were utilized at any stage in this matter (i.e., pre-bid, bid, post-bid, etc.). The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements, or to otherwise engage in lobbying as the term is defined herein. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

(a) Name, title, business address and telephone number of lobbyist(s):

None

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President  
TITLE

Page 3 of 4

(b) Describe lobbying activity of each lobbyist. See page 4 of 4 for a complete description of lobbying activities.

None

(c) List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

None

8. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

Dated: 11-2-17

Signed: [Signature]  
Print Name: VASILIOS Hadzigeorgiou  
Title: President

**ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.**

BIDDER SIGN HERE

[Signature]  
BIDDER

President  
TITLE



Page 4 of 4:

The term lobbying shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including but not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.


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BIDDER

President  
TITLE

# FORMAL SEALED BID PROPOSAL

|   |   |                           |   |
|---|---|---------------------------|---|
|  | STATE OF NEW YORK   |                           | BID NUMBER<br>07053-11087-167                     |
|   | <b>COUNTY OF NASSAU</b>   |                           | Dated: 10/26/17                                   |
|   | BIDS WILL BE RECEIVED AND OPENED AT<br>OFFICE OF PURCHASING, 1 WEST STREET,<br>NORTH ENTRANCE, MINEOLA, NEW YORK 11501<br>OFFICE HOURS 9 AM – NOON & 1 PM – 4:45 PM |                           | BID OPENING DATE<br>11/08/17<br>11:00 A.M. E.S.T. |
| BUYER<br>Anette Sullivan  |   | TELEPHONE<br>516 571 6103 | REQUISITION NUMBER<br>RQPW17000222                |

PREPARE YOUR BID ON THIS FORM USING BLACK INK OR TYPEWRITER

BID TITLE Pumper Truck Initial Attack Fire Apparatus

- ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED

THE UNDERSIGNED BIDDER AFFIRMS AND DECLARES THAT HE/SHE HAS CAREFULLY EXAMINED THE ADVERTISED INVITATION FOR BIDS, THE BID TERMS AND CONDITIONS, AND DETAILED SPECIFICATIONS, AND CERTIFIES THAT THIS BID IS SIGNED WITH FULL KNOWLEDGE AND ACCEPTANCE OF ALL THE PROVISIONS THEREOF AND OFFERS AND AGREES, IF THIS BID IS ACCEPTED WITHIN NINETY (90) DAYS FROM THE BID OPENING DATE TO FURNISH ANY OR ALL THE ITEMS UPON WHICH PRICES ARE HEREINAFTER QUOTED IN THE QUANTITY AND AT THE PRICES BID.

CASH DISCOUNT OF \_\_\_\_\_ PERCENT WILL BE ALLOWED FOR PROMPT PAYMENT WITHIN 20 BUSINESS DAYS.

THE BIDDER CERTIFIES THAT: (A) THE BID HAS BEEN ARRIVED AT BY THE BIDDER INDEPENDENTLY AND HAS BEEN SUBMITTED WITHOUT COLLUSION WITH ANY OTHER VENDOR OF MATERIALS, SUPPLIES OR EQUIPMENT OF THE TYPE DESCRIBED IN INVITATION FOR BIDS, AND (B) THE CONTENTS OF THE BID HAVE NOT BEEN COMMUNICATED BY THE BIDDER, NOR, TO ITS BEST KNOWLEDGE AND BELIEF, BY ANY OF ITS EMPLOYEES OR AGENTS, TO ANY PERSON NOT AN EMPLOYEE OR AGENT OF BIDDER OR ITS SURETY ON ANY BOND FURNISHED HERewith PRIOR TO OFFICIAL OPENING OF THE BID.

|  |   |
|--|---|
| DELIVERY MADE TO:<br>NC PW Fleet<br>170 Cantiague Rock Road<br>Hicksville, NY 11801 Brad at 516 571 6857 | GUARANTEED DELIVERY DATE<br>150-180 DAYS AFTER RECEIPT OF ORDER |
|  | EMPLOYERS FEDERAL TAX ID NUMBER<br>7083101                      |

TOLL FREE TELEPHONE NUMBER:

BIDS MUST BE SIGNED BY PROPRIETOR, PARTNER OR OFFICER AUTHORIZED TO SIGN FOR CORPORATION

|   |                 |  |                               |
|---|-----------------|--|-------------------------------|
| NAME OF BIDDER <u>L.I. Proliner Inc</u>               |                 |  |                               |
| ADDRESS <u>18 Peconic Ave</u>                         |                 |  |                               |
| CITY <u>Medford</u>                                   | STATE <u>NY</u> | ZIP CODE <u>11763</u>  | TELEPHONE <u>631 447 9558</u> |
| SIGNATURE OF AUTHORIZED INDIVIDUAL <u>[Signature]</u> |                 | PRINT OR TYPE NAME OF SIGNER AND TITLE <u>Vasilios Hadzigeorgiou President</u> |                               |

IN EXECUTING THIS BID, THE BIDDER WARRANTS THAT THE PRICES SUBMITTED HEREIN ARE NOT HIGHER THAN THOSE OFFERED TO ANY GOVERNMENTAL OR COMMERCIAL CONSUMER FOR LIKE DELIVERIES. THE PRICES HEREIN SHOULD NOT INCLUDE ANY FEDERAL EXCISE TAXES OR SALES TAXES IMPOSED BY ANY STATE OR MUNICIPAL GOVERNMENT. SUCH TAXES, IF INCLUDED, MUST BE DEDUCTED BY THE BIDDER WHEN SUBMITTING BID. BIDDERS ARE REQUESTED TO ALSO READ THE TERMS AND CONDITIONS.

## BID TERMS AND CONDITIONS

1. Bids on equipment must be on standard new equipment, latest model, except as otherwise specifically stated in proposal or detailed specification. Where any part of nominal appurtenances of equipment is not described, it shall be understood that all equipment and appurtenances which are usually provided in the manufacturer's stock model shall be furnished.
2. Bids on materials and supplies must be for new items except as otherwise specifically stated in bid or detailed specifications.
3. Bidder declares that the bid is made without any connection with any other Bidder, submitting a bid for the same items, and is in all respects fair and without collusion or fraud.

4. PRICES The provisions of the New York State Fair Trade Law (Federal-Crawford Act) and the federal price discrimination law (Robinson-Patman Act) do not apply to purchases made by the County.
5. SURETY In the event that an award is made hereunder, The Director of Purchase reserves the right to request successful bidders to post, within one week, security for faithful performance, with the understanding that the whole or any part thereof may be used by the County of Nassau to supply any deficiency that may arise from any default on the part of the Bidder. Such security must meet all the requirements of the County Attorney and be approved by the County Attorney.

6. **SAMPLES** Samples, when required, must be submitted strictly in accordance with instructions; otherwise bid may not be considered. If samples are requested subsequent to bid opening they shall be delivered within five (5) days of the request for bid to have consideration. Samples must be furnished free of charge and must be accompanied by descriptive memorandum invoices indicating if the Bidder desires their return; also specifying the address to which they are to be returned, provided they have not been used or made useless by tests. Award samples may be held for comparison with deliveries. Samples will be returned at the Bidders risk and expense.
7. Award The Director, Office of Purchasing reserves the right before making award to make investigations as to whether or not the items, qualifications or facilities offered by the Bidder meet the requirements set forth herein and are sample and sufficient to insure the proper performance in the event of award. The Bidder must be prepared, if requested by the Director, to present evidence of experience, ability and financial standing, as well as a statement as to plant, machinery and capacity of the manufacturer for the production and distribution of the material on which he is bidding. Upon request of the Director, successful bidder shall file certification from the manufacturer relative to authorization, delivery, service and guarantees. If it is found that the conditions of the bids are not complied with or that articles or equipment proposed to be furnished do not meet the requirements called for, or that the qualification, financial standing or facilities are not satisfactory, the Director may reject such bids. It is distinctly understood, however, that nothing in the foregoing shall mean or imply that it is obligatory upon the Director to make any examinations before award; and it is further understood that, if such examination is made, it in no way relieves the Bidder from fulfilling all requirements and conditions of the bid.
8. Awards will be made to the lowest responsible Bidder. Cash discounts will not be a factor in determining awards, except in tie bids. Consideration will be given to the reliability of the Bidder, the quantities of the materials, equipment or supplies to be furnished, their conformity with the specifications, the purpose for which required and the terms of delivery.
9. The Director reserves the right to reject and all bids in whole or in part and to waive technical defects, irregularities and omissions if in his judgment the best interests of the County will be served.
10. Unless otherwise indicated herein, the Director reserves the right to make award by items, by classes, by group of items, or as a whole.
11. **DELIVERIES** Upon failure of the Vendor to deliver within the time specified, or within reasonable time as interpreted by the Director, or failure to make replacement of rejected articles, when so requested immediately or as directed by the Director, the Director may purchase from other sources to take the place of the item rejected or not delivered. The Director reserves the right to authorize immediate purchase from other sources against rejections on any order when necessary. On all such purchases the Vendor agrees to promptly reimburse the County for excess cost occasioned by such purchases. Should the cost be less, the Vendor shall have no claim to the difference. Such purchases will be deducted from order quantity.
12. An order may be canceled at the Vendors expense upon nonperformance. Failure of the Vendor to furnish additional surety within ten (10) days from date of requested shall be sufficient cause for the cancellation of the order.
13. When in the determination of the Director, the articles or equipment delivered fail to meet County specifications or, if in the determination of the Director, the Vendor consistently fails to deliver as ordered, the Director reserves the right, to cancel the order and purchase the balance from other sources at Vendor expense.
14. Delivery must be made as ordered and in accordance with the bid. If delivery instructions do not appear on order. It will be interpreted to mean prompt delivery. The decision of the Director as to reasonable compliance with delivery terms shall be final. Burden of proof of delay in receipt of order shall rest with the Vendor.
15. The County Agencies will not schedule any deliveries for Saturdays, Sundays or Legal Holiday, except commodities required for daily consumption or where the delivery is an emergency, a replacement, or is overdue, in which event the convenience of the Agency will govern.
16. Supplies shall be securely and properly packed for shipment, according to accepted commercial practice, without extra charge for packing cases, reels, bailing or sacks, the containers to remain the property of the agency unless definitely stated otherwise in the bid.
17. The Vendor shall be responsible for delivery of supplies in good condition at point of destination. The Vendor shall file all claims with carrier for breakage, imperfections and other losses, which will be deducted from invoices. The receiving Agency will note for the benefit of Vendor when packages are not received in good conditions.
18. All supplies which are customarily labeled or identified must have securely affixed thereto the original un-mutilated label or marking of the manufacturer.
19. Billings for deliveries must be rendered on County claim forms.
20. Furniture, machines, and other equipment must be delivered, installed and set in place as directed, ready for use unless otherwise specified.
21. Deliveries are subject to reweighing at destination by the County and payment will be made on the basis of materials delivered. Normal shrinkage will be allowed in such instances where shrinkage is possible. Short weight shall be sufficient cause for cancellation of order at Vendors expense.
22. **GUARANTEES BY BIDDER** Bidder hereby guarantees: (a) To save the County, its agents and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article or appliance furnished or used in the performance hereof of which the Bidder is not the Patentee, assignee or licensee, and to defend any action brought against the County in the name of the County and under the direction of the County Attorney at the sole cost of the Bidder or in the sole option of the Director to pay the cost of such defense to the County. (b) His products against defective material or workmanship and to repair any damages or marring occasioned in transit.
  - (c) To furnish adequate protection from damage for all work and to repair damages of any kind, for which he or his workmen are responsible, to the building or equipment, to this own work or the work of other Vendors, or in the opinion of the Director to pay for the same by deductions in payments due under this contract.
  - (d) To pay for all permits, licenses and fees and give all notices and comply with all laws ordinances, rules and regulations of the city, village or town in which the installation is to be made, and of the County of Nassau and the State of New York.
  - (e) To carry proper insurance in the opinion of the Director, and approved by the County Attorney to protect the County from loss in case of accident, fire and theft.
  - (f) That he will keep himself fully informed, of all municipal ordinances and regulations, state and national laws in any manner affecting the work or goods herein specified, and any extra work contracted for by him, and shall at all times observe and comply with said ordinances, laws and regulations, including all provisions of the Workmen Compensation and Labor Laws, and shall indemnify and save harmless the County of Nassau and the Nassau County Legislature from loss and liability upon any and all Claims on account of any physical injury to persons, including death, or damage to property and from all cost and expenses in suits which may be brought against the same on account of such injuries irrespective of the actual cost of the same and irrespective of whether the same shall have been due to the negligence of the Bidder or his agents.
  - (g) That the items furnished shall conform to all the provisions of the bid and this warranty shall survive acceptance, or use of any material so furnished.
  - (h) That all deliveries will not be inferior to the accepted bid sample.
23. **LABOR LAWS and ANTIDISCRIMINATION.** Upon the vendor acceptance hereof, the vendor agrees to comply with Article IX, Section 2 C of the Constitution of the State of New York, Section 220 220a, 220b, 220d, 220e and 230 of the Labor Law, Section 5 and 12 of the Lien Law, Article 2 of the Uniform Commercial Code, Sections 108 and 109 as well as Article 18 of the General Municipal Law, Section 2218 of the County Government Law of Nassau County. Section 224.2 of the Nassau County Administrative Code, the provisions of the anti-Discrimination Order of Nassau County, and the vendor shall keep himself fully informed of all additional municipal ordinances and regulations, State and National Laws in any manner affecting this order and the goods or services delivered or rendered or to be delivered or rendered there under, and shall at all times observe and comply with said ordinances, laws and regulations at his sole cost and expense.
24. **ASSIGNMENT.** The contractor is hereby prohibited from assigned, transferring, conveying, subletting or otherwise disposing of this contract or his right, title, or interest therein, or his power to execute such contract, to any other person or corporation without the previous consent in writing of the officer, board or agency awarding the contract.
25. The County of Nassau will not be responsible nor liable for any shipment or delivery of any materials, supplies, or equipment without it's express written instructions or valid Purchase Order.
26. No agreements, changes, modifications or alterations shall be deemed effective nor shall the same be binding upon the County unless in writing and signed by the Director, Office of Purchasing or his duly/ designated representative.

## DISCLOSURE STATEMENT

THE NASSAU COUNTY LEGISLATURE REQUIRES THE FOLLOWING INFORMATION PRIOR TO CONSIDERATION FOR AN AWARD.

Bidders Name: L.I. Proliner Inc

Address: 18 Peconic Ave Medford NY 11763

Telephone No: 631 447 9558 Fax No: 631 447 9548

1. State Whether: A Corporation NYS corporation  
Individual \_\_\_\_\_  
Partnership \_\_\_\_\_

## GUIDELINES FOR DISCLOSURE

THE NASSAU COUNTY LEGISLATURE REQUIRES THE NAMES AND HOME\* ADDRESSES OF ALL PRINCIPALS. DISCLOSURE MUST BE PROVIDED AS INDICATED BY TYPE OF OWNERSHIP. (PLEASE LIST ALL REQUIRED INFORMATION ON A SEPARATE SHEET AND ATTACH TO BID.)

- 1) Sole Proprietorship/Individual. The Name and Home Address of the Sole Proprietorship/Individual.
- 2) Closely Held Corporation. The Name and Home Addresses of all Shareholders, Officers and Directors.
- 3) Publicly Traded Corporation. Only the page(s) of the SEC FORM 10-K setting forth the name of all officers and directors.
- 4) Not for Profit Corporation. The Names and Home Addresses of all members, Officer and Directors.
- 5) Partnership. The Names and Home Address of all General and Limited Partners.
- 6) Limited Liability Company. The Names and Home Addresses of all Members.
- 7) Limited Liability Partnership. The Name and Home Addresses of all Members.
- 8) Joint Venture. The Names and Home Addresses of all Joint Ventures.

NOTE: IF ANY ENTITY IS TIERED, YOU MUST ALSO LIST ALL INDIVIDUAL PRINCIPALS OF THE TIERED ENTITY.  
\*IN THE CASE OF PUBLICLY TRADED CORPORATIONS THE SEC FORM 10K SUFFICES AND HOME ADDRESSES ARE NOT NECESSARY.

**ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.**

BIDDER SIGN HERE



BIDDER

President  
TITLE

QUALIFICATION STATEMENT

BIDDER'S NAME:

L.I. Proliner Inc

ADDRESS:

18 Peconic Ave Medford NY 11763

1. STATE WHETHER: CORPORATION X INDIVIDUAL \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_

2. IF A CORPORATION OR PARTNERSHIP LIST NAME(S) AND ADDRESS(S) OF OFFICER(S) OR MEMBER(S)

PRESIDENT  
Vasilios Hadzigeorgiou 3 Hulse Ct Patchogue NY 11772

VICE PRESIDENT

Same

SECRETARY

Same

TREASURER

Same

3. HAVE YOU FILED A QUALIFICATION STATEMENT WITH THE COUNTY OF NASSAU? yes.  
IF SO WHEN? 2012

4. HOW MANY YEARS HAS YOUR ORGANIZATION BEEN IN BUSINESS UNDER YOUR PRESENT NAME? 21

5. HAVE YOU, OR YOUR FIRM, EVER FAILED TO COMPLETE ANY WORK AWARDED TO YOU? No.  
IF SO, WHERE AND WHY?

6. IN WHAT OTHER LINES OF BUSINESS ARE YOU OR YOUR FIRM INTERESTED? Emergency Vehicle Sales and service, parts and collision repairs.

7. WHAT IS THE EXPERIENCE OF THE PRINCIPAL INDIVIDUALS OF YOUR ORGANIZATION RELATING TO THE SUBJECT OF THIS BID?

| INDIVIDUALS<br>NAME   | PRESENT<br>POSITION | YEARS OF<br>EXPERIENCE | MAGNITUDE AND<br>TYPE OF WORK               | IN WHAT<br>CAPACITY |
|-----------------------|---------------------|------------------------|---|---------------------|
| <u>Billy Georgiou</u> | <u>CEO</u>          | <u>25</u>              | <u>Bid Review</u><br><u>project Manager</u> | <u>President</u>    |

8. IN WHAT MANNER HAVE YOU INSPECTED THIS PROPOSED WORK? EXPLAIN IN DETAIL

Review of Technical Specifications

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9. THE CONTRACT, IF AWARDED TO YOU OR YOUR FIRM, WILL HAVE THE PERSONAL SUPERVISION OF WHOM? GIVE NAME AND PRESENT POSITION

Billy Georgiou Bid review and project Manager

10. BIDDERS ARE REQUIRED TO COMPLETE THIS FORM PROVIDING THREE (3) REFERENCES OF PAST PERFORMANCE. REFERENCES SHOULD INVOLVE PROJECTS AND/OR SERVICE SITUATIONS OF SIMILAR SIZE AND SCOPE TO THIS BID. REFERENCES MUST HAVE HAD DEALING WITH THE BIDDER WITHIN THE LAST THIRTY-SIX (36) MONTHS. THE COUNTY RESERVES THE RIGHT TO CONTACT ANY OR ALL OF THE REFERENCES SUPPLIED FOR AN EVALUATION OF PAST PERFORMANCE IN ORDER TO ESTABLISH THE RESPONSIBILITY OF THE BIDDER BEFORE THE ACTUAL AWARD OF THE BID AND/OR CONTRACT. COMPLETION OF THE REFERENCE FORM IS REQUIRED.

NASSAU COUNTY (AND ANY OF ITS AGENCIES) MAY BE LISTED AS AN ADDITIONAL REFERENCE, BUT MAY NOT BE SUBSTITUTED FOR ANY OF THE THREE REQUIRED REFERENCES.

1. REFERENCE'S NAME:

Selden Fire District

ADDRESS:

PO Box 870

Selden NY 11784

TELEPHONE: 631 732 5570

CONTACT PERSON

John Bartnick

CONTRACT DATE:

2015

2. REFERENCE'S NAME:

North Patchogue FD

ADDRESS:

33 Davidson Ave N. Patchogue NY 11772

TELEPHONE: 631 475 1788

CONTACT PERSON

Joe Badulca

CONTRACT DATE:

2015

3. REFERENCE'S NAME:

Yonkers Police Department

ADDRESS:

104 S Broadway Yonkers NY 10701

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TELEPHONE: 914 377 7900 CONTACT PERSON Dennis Borrelli  
CONTRACT DATE: \_\_\_\_\_

USE SEPARATE PAGE IF ADDITIONAL SPACE IS NEEDED.

I certify that all the statements contained in this document are true, complete and correct to the best of my knowledge and belief and are made in good faith, including data contained in the Organization's Relevant Experience. A false certification or failure to disclose information shall be grounds for disqualification or termination of any award.

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Appendix EE

EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITIES AND WOMEN

The provisions of this Appendix EE are hereby made a part of the document to which it is attached.

The Contractor shall comply with all federal, State and local statutory and constitutional anti-discrimination provisions. In addition, Local Law No. 14-2002, entitled "Participation by Minority Group Members and Women in Nassau County Contracts," governs all County Contracts as defined by such title and solicitations for bids or proposals for County Contracts. In accordance with Local Law 14-2002:

(a) The Contractor shall not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status in recruitment, employment, job assignments, promotions, upgradings, demotions, transfers, layoffs, terminations, and rates of pay or other forms of compensation. The Contractor will undertake or continue existing programs related to recruitment, employment, job assignments, promotions, upgradings, transfers, and rates of pay or other forms of compensation to ensure that minority group members and women are afforded equal employment opportunities without discrimination.

(b) At the request of the County contracting agency, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, union, or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability, or marital status and that such employment agency, labor union, or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein.

(c) The Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the County Contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.

(d) The Contractor shall make Best Efforts to solicit active participation by certified minority or women-owned business enterprises ("Certified M/WBEs") as defined in Section 101 of Local Law No. 14-2002, including the granting of Subcontracts.

(e) The Contractor shall, in its advertisements and solicitations for Subcontractors, indicate its interest in receiving bids from Certified M/WBEs and the requirement that Subcontractors must be equal opportunity employers.

(f) Contractors must notify and receive approval from the respective Department Head prior to issuing any Subcontracts and, at the time of requesting such authorization, must submit a signed Best Efforts Checklist.

(g) Contractors for projects under the supervision of the County's Department of Public Works shall also submit a utilization plan listing all proposed Subcontractors so that, to the greatest extent feasible, all Subcontractors will be approved prior to commencement of work. Any additions or changes to the list of subcontractors under the utilization plan shall be approved by the Commissioner of the Department of Public Works when made. A copy of the utilization plan any additions or changes thereto shall be submitted by the Contractor to the Office of Minority Affairs simultaneously with the submission to the Department of Public Works.

(h) At any time after Subcontractor approval has been requested and prior to being granted, the contracting agency may require the Contractor to submit Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises. In addition, the contracting agency may require the Contractor to submit such documentation at any time after Subcontractor approval when the contracting agency has reasonable cause to believe that the existing Best Efforts Checklist may be inaccurate. Within ten working days (10) of any such request by the contracting agency, the Contractor must submit Documentation.

(i) In the case where a request is made by the contracting agency or a Deputy County Executive acting on behalf of the contracting agency, the Contractor must, within two (2) working days of such request, submit evidence to demonstrate that it employed Best Efforts to obtain Certified M/WBE participation through proper documentation.

(j) Award of a County Contract alone shall not be deemed or interpreted as approval of all Contractor's Subcontracts and Contractor's fulfillment of Best Efforts to obtain participation by Certified M/WBEs.

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(k) A Contractor shall maintain Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises for a period of six (6) years. Failure to maintain such records shall be deemed failure to make Best Efforts to comply with this Appendix EE, evidence of false certification as M/WBE compliant or considered breach of the County Contract.

(l) The Contractor shall be bound by the provisions of Section 109 of Local Law No. 14-2002 providing for enforcement of violations as follows:

- a. Upon receipt by the Executive Director of a complaint from a contracting agency that a County Contractor has failed to comply with the provisions of Local Law No. 14-2002, this Appendix EE or any other contractual provisions included in furtherance of Local Law No. 14-2002, the Executive Director will try to resolve the matter.
- b. If efforts to resolve such matter to the satisfaction of all parties are unsuccessful, the Executive Director shall refer the matter, within thirty days (30) of receipt of the complaint, to the American Arbitration Association for proceeding thereon.
- c. Upon conclusion of the arbitration proceedings, the arbitrator shall submit to the Executive Director his recommendations regarding the imposition of sanctions, fines or penalties. The Executive Director shall either (i) adopt the recommendation of the arbitrator (ii) determine that no sanctions, fines or penalties should be imposed or (iii) modify the recommendation of the arbitrator, provided that such modification shall not expand upon any sanction recommended or impose any new sanction, or increase the amount of any recommended fine or penalty. The Executive Director, within ten days (10) of receipt of the arbitrators award and recommendations, shall file a determination of such matter and shall cause a copy of such determination to be served upon the respondent by personal service or by certified mail return receipt requested. The award of the arbitrator, and the fines and penalties imposed by the Executive Director, shall be final determinations and may only be vacated or modified as provided in the civil practice law and rules ("CPLR").

(m) The contractor shall provide contracting agency with information regarding all subcontracts awarded under any County Contract, including the amount of compensation paid to each Subcontractor and shall complete all forms provided by the Executive Director or the Department Head relating to subcontractor utilization and efforts to obtain M/WBE participation..

Failure to comply with provisions (a) through (m) above, as ultimately determined by the Executive Director, shall be a material breach of the contract constituting grounds for immediate termination. Once a final determination of failure to comply has been reached by the Executive Director, the determination of whether to terminate a contract shall rest with the Deputy County Executive with oversight responsibility for the contracting agency.

Provisions (a), (b) and (c) shall not be binding upon Contractors or Subcontractors in the performance of work or the provision of services or any other activity that are unrelated, separate, or distinct from the County Contract as expressed by its terms.

The requirements of the provisions (a), (b) and (c) shall not apply to any employment or application for employment outside of this County or solicitations or advertisements therefore or any existing programs of affirmative action regarding employment outside of this County and the effect of contract provisions required by these provisions (a), (b) and (c) shall be so limited.

The Contractor shall include provisions (a), (b) and (c) in every Subcontract in such manner that these provisions shall be binding upon each Subcontractor as to work in connection with the County Contract.


As used in this Appendix EE the term "Best Efforts Checklist" shall mean a list signed by the Contractor, listing the procedures it has undertaken to procure Subcontractors in accordance with this Appendix EE.

As used in this Appendix EE the term "County Contract" shall mean (i) a written agreement or purchase order instrument, providing for a total expenditure in excess of twenty-five thousand dollars (\$25,000), whereby a County contracting agency is

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committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the County; or (ii) a written agreement in excess of one hundred thousand dollars (\$100,000), whereby a County contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon. However, the term "County Contract" does not include agreements or orders for the following services: banking services, insurance policies or contracts, or contracts with a County contracting agency for the sale of bonds, notes or other securities.

As used in this Appendix EE the term "County Contractor" means an individual, business enterprise, including sole proprietorship, partnership, corporation, not-for-profit corporation, or any other person or entity other than the County, whether a contractor, licensor, licensee or any other party, that is (i) a party to a County Contract, (ii) a bidder in connection with the award of a County Contract, or (iii) a proposed party to a County Contract, but shall not include any Subcontractor.

As used in this Appendix EE the term "County Contractor" shall mean a person or firm who will manage and be responsible for an entire contracted project.

As used in this Appendix EE "Documentation Demonstrating Best Efforts to Obtain Certified Minority or Women-owned Business Enterprises" shall include, but is not limited to the following:

- a. Proof of having advertised for bids, where appropriate, in minority publications, trade newspapers/notices and magazines, trade and union publications, and publications of general circulation in Nassau County and surrounding areas or having verbally solicited M/WBEs whom the County Contractor reasonably believed might have the qualifications to do the work. A copy of the advertisement, if used, shall be included to demonstrate that it contained language indicating that the County Contractor welcomed bids and quotes from M/WBE Subcontractors. In addition, proof of the date(s) any such advertisements appeared must be included in the Best Effort Documentation. If verbal solicitation is used, a County Contractor's affidavit with a notary's signature and stamp shall be required as part of the documentation.
- b. Proof of having provided reasonable time for M/WBE Subcontractors to respond to bid opportunities according to industry norms and standards. A chart outlining the schedule/time frame used to obtain bids from M/WBEs is suggested to be included with the Best Effort Documentation
- c. Proof or affidavit of follow-up of telephone calls with potential M/WBE subcontractors encouraging their participation. Telephone logs indicating such action can be included with the Best Effort Documentation
- d. Proof or affidavit that M/WBE Subcontractors were allowed to review bid specifications, blue prints and all other bid/RFP related items at no charge to the M/WBEs, other than reasonable documentation costs incurred by the County Contractor that are passed onto the M/WBE.
- e. Proof or affidavit that sufficient time prior to making award was allowed for M/WBEs to participate effectively, to the extent practicable given the timeframe of the County Contract.
- f. Proof or affidavit that negotiations were held in Best Efforts with interested M/WBEs, and that M/WBEs were not rejected as unqualified or unacceptable without sound business reasons based on (1) a thorough investigation of M/WBE qualifications and capabilities reviewed against industry custom and standards and (2) cost of performance. The basis for rejecting any M/WBE deemed unqualified by the County Contractor shall be included in the Best Effort Documentation
- g. If an M/WBE is rejected based on cost, the County Contractor must submit a list of all sub-bidders for each item of work solicited and their bid prices for the work.
- h. The conditions of performance expected of Subcontractors by the County Contractor must also be included with the Best Effort Documentation

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- i. County Contractors may include any other type of documentation they feel necessary to further demonstrate their Best Efforts regarding their bid documents.

As used in this Appendix EE the term "Executive Director" shall mean the Executive Director of the Nassau County Office of Minority Affairs; provided, however, that Executive Director shall include a designee of the Executive Director except in the case of final determinations issued pursuant to Section (a) through (l) of these rules.

As used in this Appendix EE the term "Subcontract" shall mean an agreement consisting of part or parts of the contracted work of the County Contractor.

As used in this Appendix EE, the term "Subcontractor" shall mean a person or firm who performs part or parts of the contracted work of a prime contractor providing services, including construction services, to the County pursuant to a county contract. Subcontractor shall include a person or firm that provides labor, professional or other services, materials or supplies to a prime contractor that are necessary for the prime contractor to fulfill its obligations to provide services to the County pursuant to a county contract. Subcontractor shall not include a supplier of materials to a contractor who has contracted to provide goods but no services to the County, nor a supplier of incidental materials to a contractor, such as office supplies, tools and other items of nominal cost that are utilized in the performance of a service contract.

Provisions requiring contractors to retain or submit documentation of best efforts to utilize certified subcontractors and requiring Department head approval prior to subcontracting shall not apply to inter-governmental agreements. In addition, the tracking of expenditures of County dollars by not-for-profit corporations, other municipalities, States, or the federal government is not required.

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**INDEMNIFICATION:**

Contractor agrees to indemnify and hold harmless County and its agents, officers and employees, from and against any and all losses, costs, expenses (including attorneys' fees and disbursements), damages and liabilities, arising out of or in connection with any acts or omissions of Contractor, its officers, agents or employees, provided, however, that Contractor shall not be responsible for that portion, if any, of a loss that is caused by the negligence of the County; and provided, further, that Contractor shall not be liable for consequential, indirect or special damages. Contractor shall, at County's demand and at County's direction, defend at its own risk and expense any and all suits, actions or legal proceedings which may be brought against County, its agents, officers or employees in connection with a loss for which Contractor is responsible under this paragraph.

**DEFINITIONS:**

- The term "County" as used herein, shall be deemed as reference to the County of Nassau, State of New York.
- The term "Contractor" as used herein, shall be deemed as reference to the successful bidder, vendor, proprietor, partnership, or corporation receiving an award to perform any or all of the services specified herein in accordance with the terms of this agreement.
- The term "agency" as used herein, shall be deemed as the department, division, bureau, office, agency or other Nassau County establishment authorized to receive the service specified herein.
- The term "Director" as used herein, shall be deemed as reference to the Director of the Office of Purchasing.
- The term "Blanket Order" as used herein, shall be deemed as the multiple use pricing agreement as a result of this bid.
- The term "Purchase Order" as used herein, shall be deemed as the single use pricing agreement as a result of this bid.
- The term "complete" as written in this bid must include all equipment, delivery and installation of same in its entirety, as listed in the contract documents, and is to include all supervision, labor, materials, plant equipment, transportation, testing, (if required) incidentals, and other facilities as necessary and/or required to execute all the work as herein specified, or as incidentally required to provide a complete operating installation.

NOTE: INSERT FEDERAL IDENTIFICATION NUMBER IN SPACE PROVIDED ON PAGE 1.

**IMPORTANT**

PRICE MUST BE INSERTED WITH TYPEWRITER OR INK. BIDS MUST BE SIGNED IN INK. TO ASSURE OFFER REACHING IN TIME, **YOU ARE URGED TO MAIL YOUR FORMAL SEALED BID EARLY. THIS FORMAL SEALED BID MUST REACH OUR OFFICE BY 11:00 A.M.** LATE FORMAL SEALED BIDS WILL NOT BE ACCEPTED.

All proposals and bid documents submitted in response **must** include a completed copy of the County of Nassau Consultant's, Contractor's and Vendor's Disclosure Form. Additionally, if the bidder – prospective vendor – utilizes the services of any individual or organization for the purposes of conducting lobbying activities, the proposal **must** also include the Lobbyist Registration and Disclosure Form, completed by that individual/organization.

In addition, all proposals and bid documents submitted in response must include a completed: (i) Business History Form and (ii) Principal Questionnaire for all "principals" who hold a ten percent (10%) or greater ownership interest in the proposer/bidder.

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COUNTY OF NASSAU

CONSULTANT'S, CONTRACTOR'S AND VENDOR'S DISCLOSURE FORM

1. Name of the Entity: L.I. Proliner Inc

Address: 18 Peconic Ave

City, State and Zip Code: Medford NY 11763

2. Entity's Vendor Identification Number: \_\_\_\_\_

3. Type of Business: ☐ Public Corp ☐ Partnership ☐ Joint Venture  
☐ Ltd. Liability Co ☒ Closely Held Corp \_\_\_\_\_ Other (specify)

4. List names and addresses of all principals; that is, all individuals serving on the Board of Directors or comparable body, all partners and limited partners, all corporate officers, all parties of Joint Ventures, and all members and officers of limited liability companies (attach additional sheets if necessary):

Vasilios Hadzigeorgiou 3 Hulse Ct Patchogue NY 11772

5. List names and addresses of all shareholders, members, or partners of the firm. If the shareholder is not an individual, list the individual shareholdres/partners/members. If a Publicly held Corporation include a copy of the 10K in lieu of completing this section.

Vasilios Hadzigeorgiou 3 Hulse ct Patchogue NY 11772

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6. List all affiliated and related companies and their relationship to the firm entered on line 1. above (if none, enter "None"). Attach a separate disclosure form for each affiliated or subsidiary company that may take part in the performance of this contract. Such disclosure shall be updated to include affiliated or subsidiary companies not previously disclosed that participate in the performance of the contract.

None

7. List all lobbyists whose services were utilized at any stage in this matter (i.e., pre-bid, bid, post-bid, etc.). The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements, or to otherwise engage in lobbying as the term is defined herein. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

(a) Name, title, business address and telephone number of lobbyist(s):

None

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(b) Describe lobbying activity of each lobbyist. See page 4 of 4 for a complete description of lobbying activities.

None


(c) List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

None

8. VERIFICATION: This section must be signed by a principal of the consultant, contractor or Vendor authorized as a signatory of the firm for the purpose of executing Contracts.

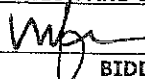
The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

Dated: 11-2-17

Signed:   
Print Name: VASILIOS Hadzigeorgiou  
Title: President

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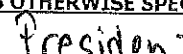
Page 4 of 4:

**The term lobbying shall mean any attempt to influence:** any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

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COUNTY OF NASSAU

LOBBYIST REGISTRATION AND DISCLOSURE FORM

1. Name, address and telephone number of lobbyist(s)/lobbying organization. The term "lobbyist" means any and every person or organization retained, employed or designated by any client to influence - or promote a matter before - Nassau County, its agencies, boards, commissions, department heads, legislators or committees, including but not limited to the Open Space and Parks Advisory Committee and Planning Commission. Such matters include, but are not limited to, requests for proposals, development or improvement of real property subject to County regulation, procurements. The term "lobbyist" does not include any officer, director, trustee, employee, counsel or agent of the County of Nassau, or State of New York, when discharging his or her official duties.

None

2. List whether and where the person/organization is registered as a lobbyist (e.g., Nassau County, New York State):

None

3. Name, address and telephone number of client(s) by whom, or on whose behalf, the lobbyist is

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retained, employed or designated: \_\_\_\_\_

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None

4. Describe lobbying activity conducted, or to be conducted, in Nassau County, and identify client(s) for each activity listed. See page 4 for a complete description of lobbying activities.

None

5. The name of persons, organizations or governmental entities before whom the lobbyist expects to lobby

None

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6. If such lobbyist is retained or employed pursuant to a written agreement of retainer or employment, you must attach a copy of such document; and if agreement of retainer or employment is oral, attach a written statement of the substance thereof. If the written agreement of retainer or employment does not contain a signed authorization from the client by whom you have been authorized to lobby, separately attach such a written authorization from the client.

7. During the previous year, has the lobbyist/lobbying organization or any of its corporate officers provided campaign contributions pursuant to the New York State Election Law to the campaign committees of any of the following Nassau County elected officials or to the campaign committees of any candidates for any of the following Nassau County elected offices: the County Executive, the County Clerk, the Comptroller, the District Attorney, or any County Legislator?

If yes, to what campaign committee? If none, you must so state:

None

I understand that copies of this form will be sent to the Nassau County Department of Information Technology ("IT") to be posted on the County's website.

I also understand that upon termination of retainer, employment or designation I must give written notice to the County Attorney within thirty (30) days of termination.

VERIFICATION: The undersigned affirms and so swears that he/she has read and understood the foregoing statements and they are, to his/her knowledge, true and accurate.

The undersigned further certifies and affirms that the contribution(s) to the campaign committees listed above were made freely and without duress, threat or any promise of a governmental benefit or in exchange for any benefit or remuneration.

Dated: 11-2-17

Signed: [Signature]

Print Name: Vasilios Hadzigeorgiou

Title: President

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[Signature]  
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Page 4 of 4:

The term **lobbying** shall mean any attempt to influence: any determination made by the Nassau County Legislature, or any member thereof, with respect to the introduction, passage, defeat, or substance of any local legislation or resolution; any determination by the County Executive to support, oppose, approve or disapprove any local legislation or resolution, whether or not such legislation has been introduced in the County Legislature; any determination by an elected County official or an officer or employee of the County with respect to the procurement of goods, services or construction, including the preparation of contract specifications, including by not limited to the preparation of requests for proposals, or solicitation, award or administration of a contract or with respect to the solicitation, award or administration of a grant, loan, or agreement involving the disbursement of public monies; any determination made by the County Executive, County Legislature, or by the County of Nassau, its agencies, boards, commissions, department heads or committees, including but not limited to the Open Space and Parks Advisory Committee, the Planning Commission, with respect to the zoning, use, development or improvement of real property subject to County regulation, or any agencies, boards, commissions, department heads or committees with respect to requests for proposals, bidding, procurement or contracting for services for the County; any determination made by an elected county official or an officer or employee of the county with respect to the terms of the acquisition or disposition by the county of any interest in real property, with respect to a license or permit for the use of real property of or by the county, or with respect to a franchise, concession or revocable consent; the proposal, adoption, amendment or rejection by an agency of any rule having the force and effect of law; the decision to hold, timing or outcome of any rate making proceeding before an agency; the agenda or any determination of a board or commission; any determination regarding the calendaring or scope of any legislature oversight hearing; the issuance, repeal, modification or substance of a County Executive Order; or any determination made by an elected county official or an officer or employee of the county to support or oppose any state or federal legislation, rule or regulation, including any determination made to support or oppose that is contingent on any amendment of such legislation, rule or regulation, whether or not such legislation has been formally introduced and whether or not such rule or regulation has been formally proposed.

The term "lobbying" or "lobbying activities" **does not include**: Persons engaged in drafting legislation, rules, regulations or rates; persons advising clients and rendering opinions on proposed legislation, rules, regulations or rates, where such professional services are not otherwise connected with legislative or executive action on such legislation or administrative action on such rules, regulations or rates; newspapers and other periodicals and radio and television stations and owners and employees thereof, provided that their activities in connection with proposed legislation, rules, regulations or rates are limited to the publication or broadcast of news items, editorials or other comment, or paid advertisements; persons who participate as witnesses, attorneys or other representatives in public rule-making or rate-making proceedings of a County agency, with respect to all participation by such persons which is part of the public record thereof and all preparation by such persons for such participation; persons who attempt to influence a County agency in an adjudicatory proceeding, as defined by § 102 of the New York State Administrative Procedure Act.

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PRESIDENT

Business History Form

The contract shall be awarded to the responsible proposer who, at the discretion of the County, taking into consideration the reliability of the proposer and the capacity of the proposer to perform the services required by the County, offers the best value to the County and who will best promote the public interest.

In addition to the submission of proposals, each proposer shall complete and submit this questionnaire. The questionnaire shall be filled out by the owner of a sole proprietorship or by an authorized representative of the firm, corporation or partnership submitting the Proposal.

**NOTE: All questions require a response, even if response is "none". No blanks.**

(USE ADDITIONAL SHEETS IF NECESSARY TO FULLY ANSWER THE FOLLOWING QUESTIONS).

Date: 11-2-17

1) Proposer's Legal Name: L.I. Proliner Inc

2) Address of Place of Business: 18 Reconic Ave Medford NY 11763

List all other business addresses used within last five years:

None

3) Mailing Address (if different): \_\_\_\_\_

Phone: 631 447 9558

Does the business own or rent its facilities? Own

4) Dun and Bradstreet number: \_\_\_\_\_

5) Federal I.D. Number: 11 3330825

6) The proposer is a (check one): \_\_\_\_\_ Sole Proprietorship \_\_\_\_\_ Partnership X Corporation \_\_\_\_\_ Other (Describe) \_\_\_\_\_

7) Does this business share office space, staff, or equipment expenses with any other business? Yes \_\_\_\_\_ No X If Yes, please provide details: \_\_\_\_\_

8) Does this business control one or more other businesses? Yes \_\_\_\_\_ No X If Yes, please provide details: \_\_\_\_\_

9) Does this business have one or more affiliates, and/or is it a subsidiary of, or controlled by, any other business? Yes \_\_\_\_\_ No X If Yes, provide details: \_\_\_\_\_

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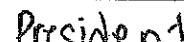
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- 10) Has the proposer ever had a bond or surety cancelled or forfeited, or a contract with Nassau County or any other government entity terminated? Yes \_\_\_ No X If Yes, state the name of bonding agency, (if a bond), date, amount of bond and reason for such cancellation or forfeiture: or details regarding the termination (if a contract). \_\_\_\_\_
- 11) Has the proposer, during the past seven years, been declared bankrupt? Yes \_\_\_ No X If Yes, state date, court jurisdiction, amount of liabilities and amount of assets \_\_\_\_\_
- 12) In the past five years, has this business and/or any of its owners and/or officers and/or any affiliated business, been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency? And/or, in the past 5 years, have any owner and/or officer of any affiliated business been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency, where such investigation was related to activities performed at, for, or on behalf of an affiliated business. Yes \_\_\_ No X If Yes, provide details for each such investigation. \_\_\_\_\_
- 13) In the past 5 years, has this business and/or any of its owners and/or officers and/or any affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies? And/or, in the past 5 years, has any owner and/or officer of an affiliated business been the subject of an investigation by any government agency, including but not limited to federal, state and local regulatory agencies, for matters pertaining to that individual's position at or relationship to an affiliated business. Yes \_\_\_ No X If Yes, provide details for each such investigation. \_\_\_\_\_
- 14) Has any current or former director, owner or officer or managerial employee of this business had, either before or during such person's employment, or since such employment if the charges pertained to events that allegedly occurred during the time of employment by the submitting business, and allegedly related to the conduct of that business:
- a) Any felony charge pending? Yes \_\_\_ No X If Yes, provide details for each such charge. \_\_\_\_\_
- b) Any misdemeanor charge pending? Yes \_\_\_ No X If Yes, provide details for each such charge. \_\_\_\_\_
- c) In the past 10 years, you been convicted, after trial or by plea, of any felony and/or any other crime, an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? Yes \_\_\_ No X If Yes, provide details for each such conviction \_\_\_\_\_

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d) In the past 5 years, been convicted, after trial or by plea, of a misdemeanor?

Yes \_\_\_ No X If Yes, provide details for each such conviction. \_\_\_\_\_

e) In the past 5 years, been found in violation of any administrative, statutory, or regulatory provisions? Yes \_\_\_ No X If Yes, provide details for each such occurrence. \_\_\_\_\_

15) In the past (5) years, has this business or any of its owners or officers, or any other affiliated business had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held? Yes \_\_\_ No X; If Yes, provide details for each such instance. \_\_\_\_\_

16) For the past (5) tax years, has this business failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges? Yes \_\_\_ No X If Yes, provide details for each such year. Provide a detailed response to all questions checked 'YES'. If you need more space, photocopy the appropriate page and attach it to the questionnaire. \_\_\_\_\_

Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.

17) Conflict of Interest:

a) Please disclose any conflicts of interest as outlined below. **NOTE: If no conflicts exist, please expressly state "No conflict exists."**

(i) Any material financial relationships that your firm or any firm employee has that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflict exists

(ii) Any family relationship that any employee of your firm has with any County public servant that may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No Conflict Exists

(iii) Any other matter that your firm believes may create a conflict of interest or the appearance of a conflict of interest in acting on behalf of Nassau County. No conflict exists

b) Please describe any procedures your firm has, or would adopt, to assure the County that a conflict of interest would not exist for your firm in the future.

I will contact the County should a potential conflict arise and be guided accordingly

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- A. Include a resume or detailed description of the Proposer's professional qualifications, demonstrating extensive experience in your profession. Any prior similar experiences, and the results of these experiences, must be identified.

Should the proposer be other than an individual, the Proposal **MUST** include:

- i) Date of formation;
- ii) Name, addresses, and position of all persons having a financial interest in the company, including shareholders, members, general or limited partner;
- iii) Name, address and position of all officers and directors of the company;
- iv) State of incorporation (if applicable);
- v) The number of employees in the firm;
- vi) Annual revenue of firm;
- vii) Summary of relevant accomplishments
- viii) Copies of all state and local licenses and permits.

- B. Indicate number of years in business.

- C. Provide any other information which would be appropriate and helpful in determining the Proposer's capacity and reliability to perform these services.

- D. Provide names and addresses for no fewer than three references for whom the Proposer has provided similar services or who are qualified to evaluate the Proposer's capability to perform this work.

Company Selden Fire District

Contact Person John Bartnick

Address PO Box 870

City/State Selden NY 11784

Telephone 631 732 5570

Fax # \_\_\_\_\_

E-Mail Address Seldenex3022@yahoo.com

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FORMAL SEALED BID PROPOSAL  
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Company North Patchogue Fire Department  
Contact Person Joe Badula  
Address 33 Davidson Ave  
City/State North Patchogue NY 11772  
Telephone 631 475 1789  
Fax # \_\_\_\_\_  
E-Mail Address Districtmgr@NorthPatchogueFD.org

Company Yonkers Police Department  
Contact Person Dennis Borrelli  
Address 1106 Yonkers Ave  
City/State Yonkers NY 10704  
Telephone 914 357 5528  
Fax # 914 377 7392  
E-Mail Address Toxbuff911@aol.com

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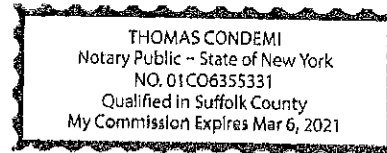
CERTIFICATION

A MATERIALLY FALSE STATEMENT WILLFULLY OR FRAUDULENTLY MADE IN CONNECTION WITH THIS QUESTIONNAIRE MAY RESULT IN RENDERING THE SUBMITTING BUSINESS ENTITY NOT RESPONSIBLE WITH RESPECT TO THE PRESENT BID OR FUTURE BIDS, AND, IN ADDITION, MAY SUBJECT THE PERSON MAKING THE FALSE STATEMENT TO CRIMINAL CHARGES.

I, V Hadzigeorgiou, being duly sworn, state that I have read and understand all the items contained in the foregoing pages of this questionnaire and the following pages of attachments; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this questionnaire and before the execution of the contract; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this questionnaire as additional inducement to enter into a contract with the submitting business entity.

Sworn to before me this 2 day of November 2017

[Signature]  
Notary Public



Name of submitting business: LI Proliner inc

By: V Hadzigeorgiou  
Print name

[Signature]  
Signature

Pres  
Title

11/2/17  
Date

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President  
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**PRINCIPAL QUESTIONNAIRE FORM**

All questions on these questionnaires must be answered by all officers and any individuals who hold a ten percent (10%) or greater ownership interest in the proposer. Answers typewritten or printed in ink. If you need more space to answer any question, make as many photocopies of the appropriate page(s) as necessary and attach them to the questionnaire.

COMPLETE THIS QUESTIONNAIRE CAREFULLY AND COMPLETELY. FAILURE TO SUBMIT A COMPLETE QUESTIONNAIRE MAY MEAN THAT YOUR BID OR PROPOSAL WILL BE REJECTED AS NON-RESPONSIVE AND IT WILL NOT BE CONSIDERED FOR AWARD

1. Principal Name Vasilios Hadzigeorgiou  
Date of birth 07 / 23 / 1977  
Home address 3 Hulse ct  
City/state/zip Patchogue NY 11772  
Business address 18 Peconic Ave  
City/state/zip Medford NY 11763  
Telephone 631 447 9558  
Other present address(es) \_\_\_\_\_  
City/state/zip \_\_\_\_\_  
Telephone \_\_\_\_\_  
List of other addresses and telephone numbers attached \_\_\_\_\_
2. Positions held in submitting business and starting date of each (check all applicable)  
President 07 / 23 / 1996 Treasurer 07 / 23 / 1996  
Chairman of Board \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Shareholder 07 / 23 / 1996  
Chief Exec. Officer \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Secretary 07 / 23 / 1996  
Chief Financial Officer \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Partner \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Vice President \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
(Other) \_\_\_\_\_
3. Do you have an equity interest in the business submitting the questionnaire?  
YES \_\_\_ NO X If Yes, provide details.
4. Are there any outstanding loans, guarantees or any other form of security or lease or any other type of contribution made in whole or in part between you and the business submitting the questionnaire?  
YES \_\_\_ NO X If Yes, provide details.
5. Within the past 3 years, have you been a principal owner or officer of any business or not-for-profit organization other than the one submitting the questionnaire? YES \_\_\_ NO X; If Yes, provide details.

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6. Has any governmental entity awarded any contracts to a business or organization listed in Section 5 in the past 3 years while you were a principal owner or officer? YES \_\_\_ NO X If Yes, provide details.

**NOTE:** An affirmative answer is required below whether the sanction arose automatically, by operation of law, or as a result of any action taken by a government agency.

Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.

7. In the past (5) years, have you and/or any affiliated businesses or not-for-profit organizations listed in Section 5 in which you have been a principal owner or officer:
- a. Been debarred by any government agency from entering into contracts with that agency? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - b. Been declared in default and/or terminated for cause on any contract, and/or had any contracts cancelled for cause? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - c. Been denied the award of a contract and/or the opportunity to bid on a contract, including, but not limited to, failure to meet pre-qualification standards? YES \_\_\_ NO X If Yes, provide details for each such instance.
  - d. Been suspended by any government agency from entering into any contract with it; and/or is any action pending that could formally debar or otherwise affect such business's ability to bid or propose on contract? YES \_\_\_ NO X If Yes, provide details for each such instance.
8. Have any of the businesses or organizations listed in response to Question 5 filed a bankruptcy petition and/or been the subject of involuntary bankruptcy proceedings during the past 7 years, and/or for any portion of the last 7 year period, been in a state of bankruptcy as a result of bankruptcy proceedings initiated more than 7 years ago and/or is any such business now the subject of any pending bankruptcy proceedings, whenever initiated? If 'Yes', provide details for each such instance. (Provide a detailed response to all questions checked "YES". If you need more space, photocopy the appropriate page and attach it to the questionnaire.)
- a) Is there any felony charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - b) Is there any misdemeanor charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - c) Is there any administrative charge pending against you? YES \_\_\_ NO X If Yes, provide details for each such charge.
  - d) In the past 10 years, have you been convicted, after trial or by plea, of any felony, or of any other crime, an element of which relates to truthfulness or the underlying facts of which related to the conduct of business? YES \_\_\_ NO X If Yes, provide details for each such conviction.
  - e) In the past 5 years, have you been convicted, after trial or by plea, of a misdemeanor? YES \_\_\_ NO X If Yes, provide details for each such conviction.

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- f) In the past 5 years, have you been found in violation of any administrative or statutory charges?  
YES \_\_\_\_ NO X If Yes, provide details for each such occurrence.
9. In addition to the information provided in response to the previous questions, in the past 5 years, have you been the subject of a criminal investigation and/or a civil anti-trust investigation by any federal, state or local prosecuting or investigative agency and/or the subject of an investigation where such investigation was related to activities performed at, for, or on behalf of the submitting business entity and/or an affiliated business listed in response to Question 5? YES \_\_\_\_ NO X If Yes, provide details for each such investigation.
10. In addition to the information provided, in the past 5 years has any business or organization listed in response to Question 5, been the subject of a criminal investigation and/or a civil anti-trust investigation and/or any other type of investigation by any government agency, including but not limited to federal, state, and local regulatory agencies while you were a principal owner or officer? YES \_\_\_\_ NO X If Yes; provide details for each such investigation.
11. In the past 5 years, have you or this business, or any other affiliated business listed in response to Question 5 had any sanction imposed as a result of judicial or administrative proceedings with respect to any professional license held? YES \_\_\_\_ NO X If Yes; provide details for each such instance.
12. For the past 5 tax years, have you failed to file any required tax returns or failed to pay any applicable federal, state or local taxes or other assessed charges, including but not limited to water and sewer charges? YES \_\_\_\_ NO X If Yes, provide details for each such year.

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**CERTIFICATION**

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I, V. Hadzigeorgiou, being duly sworn, state that I have read and understand all the items contained in the foregoing pages of this questionnaire and the following pages of attachments; that I supplied full and complete answers to each item therein to the best of my knowledge, information and belief; that I will notify the County in writing of any change in circumstances occurring after the submission of this questionnaire and before the execution of the contract; and that all information supplied by me is true to the best of my knowledge, information and belief. I understand that the County will rely on the information supplied in this questionnaire as additional inducement to enter into a contract with the submitting business entity.

Sworn to before me this 2 day of November 2017

[Signature]  
Notary Public

THOMAS CONDEMI  
Notary Public - State of New York  
NO. 01CO6355331  
Qualified in Suffolk County  
My Commission Expires Mar 6, 2021

LI Prolinee inc  
Name of submitting business

V. Hadzigeorgiou  
Print name

[Signature]  
Signature

Pres  
Title

11 / 2 / 17  
Date

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OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK

FORMAL SEALED BID PROPOSAL  
07053-11087-167

**SCOPE:** It is the intent of the County of Nassau to properly describe by these specifications and terms an adequate method of providing: **a Pumper Truck**

**AWARD:** Award, if any, will be made to the lowest responsible bidder, who in the opinion of the Director of Purchasing, meets the specifications and qualifications stated herein. The Director of Purchasing reserves the right to make an award be items, groups, or classes of items or as a whole. Awards will be made in accordance with the terms and conditions attached hereto and made part hereof.

**PURPOSE:** The purpose of this bid is to establish a price structure on which items and/or services listed herein will be purchased at once by Purchase Order.

**DELIVERY:** Bidders are required to state guaranteed delivery date in terms of days after receipt of order in the space provided below and on page one. Bidders are cautioned to post realistic delivery dates. Guaranteed delivery dates will be strictly enforced. Must be made within 15 days A/R/O unless stated otherwise below:

Delivery to be made 150 + 180 Days A/R/O.

Delivery shall be made **ONLY** upon receipt of a Purchase Order, or in the case of a Blanket Order, upon receipt of a Direct Purchase Order(s) from a using agency authorized to use the Blanket Order which will be issued to the successful bidder. Purchase Order and Direct Purchase Order shall indicate the destination address. Inside delivery is required on all deliveries.

Bidders agree that all orders shall be effective and binding upon the contractor when PLACED IN THE MAIL addressed to the Contractor at the address shown on the Blanket Order/Purchase Order PRIOR TO MIDNIGHT OF THE FINAL DAY OF CONTRACT.

**BILLING:** Shall be made on County claim forms or Certified Invoices to the individual using County Agency upon completion of deliveries made against applicable Purchase Order(s) or Direct Purchase Order(s).

NO PARTIAL PAYMENTS WILL BE PAID.

\*\*\*\*\*VENDOR CLAIM CERTIFICATION\*\*\*\*\*

IF A CLAIM VOUCHER IS NOT BEING SUBMITTED, THE FOLLOWING CERTIFICATION **MUST** APPEAR ON THE INVOICE:

I HEREBY CERTIFY THAT ALL ITEMS OR SERVICES WERE DELIVERED OR RENDERED AS SET FORTH IN THIS CLAIM; THAT THE PRICES CHARGED ARE IN ACCORDANCE WITH REFERENCED PURCHASE ORDER, DIRECT PURCHASE ORDER OR CONTRACT, THAT THE CLAIM IS JUST, TRUE AND CORRECT; THAT THE BALANCE STATED HEREIN IS ACTUALLY DUE AND OWING AND HAS NOT BEEN PREVIOUSLY CLAIMED; THAT NO TAXES FROM WHICH THE COUNTY IS EXEMPT ARE INCLUDED; AND THAT ANY AMOUNTS CLAIMED FOR DISBURSEMENTS HAVE ACTUALLY AND NECESSARILY BEEN MADE.

Vasilios Hadzigeorgiou 11-2-17  
CLAIMANT NAME DATE  
[Signature] President  
BY (SIGNATURE) TITLE

\*CLAIM VOUCHERS AND CERTIFIED INVOICES NOT PROPERLY COMPLETED WILL BE RETURNED TO YOU UNPAID\*\*

Vendors may download claim form NIFS560 at the following URL:

<http://www.nassaucountyny.gov/agencies/Comptroller/Docs/PDF/ClaimVoucherFormBlank.pdf>

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**OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK**

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**INSPECTION:** Bidders should be aware of Inspection and Delivery requirements as stipulated.

**PRICE DISCREPANCY:** In the event of a discrepancy between the unit price and the extension price, the unit price will govern.

**RETENTION OF BID:** Vendor is required to make a copy of his completed bid document and applicable attachments. Any purchase orders issued against this bid will refer to the bid and attachments to designate items awarded.

**METHOD OF BIDDING:** Please submit unit price in the appropriate column.

**ADDITIONAL BIDS:** The County reserves the right, for any un-contemplated additional requirements of extraordinary quantities of particular items to call for new bids, therefore, whenever in the opinion of the Director of the Office of Purchase it is in the best interests of the County of Nassau to do so.

**TAX PROVISION:** Purchases made by the County of Nassau are not subject to State, Local Sales Taxes or Federal Excise Taxes. Federal Exemption #A-109538 State Exemption #EX 72.13062C. The County of Nassau is not subject to any Existing "Fair Trade Agreements" and bidders should be governed accordingly.

**SPECIFICATIONS:** Submit complete specifications and illustrations of products offered with the bid. Acceptance of a bid and designation of a manufacturer's catalog description, brand name or number in any Purchase or Blanket Order resulting there-from shall not be construed as qualification of the specifications of this bid or relief there-from, except as specifically stated in the Purchase or Blanket Order.

**PRODUCT IDENTIFICATION:** If a product(s) is identified by a BRAND NAME, a substitute of equal quality, construction, finish, composition, size, workmanship and performance characteristics may be acceptable. In submitting a bid, each bidder warrants that the substitute product being offered is an equal. Bid sheets shall be so noted of the manufacturer's name and brand of the product offered as an equal. If as a result of an award, a delivery is made of a brand or product represented as an equal which is subsequently deemed to be unacceptable, the Contractor shall be required, at his expense, to pick up the rejected item and replace it with brand(s) listed in this bid, or an acceptable equal which will have the approval of the Director.

**PROTECTION FROM CLAIM AGAINST "OR EQUAL":** In the event of any claim by any unsuccessful bidder concerning or relating to the issue of "equal or better" or "or equal", the successful bidder agrees, at his own cost and expense, to defend such claims or claims and agrees to hold the County of Nassau free and harmless from any and all claims for loss or damage arising out of this transaction for any reason whatsoever.

**ALTERNATIVE ITEM:** In submitting a bid on a commodity other than as specified, bidder shall furnish complete data and identification with respect to the alternate commodity he proposes to furnish. Consideration will be given to proposals submitted on alternate commodities to the extent that such action is deemed to serve the best interests of the County. If a bidder does not indicate that the commodity he proposes to furnish is other than as specified, it will be construed to mean that the bidder proposes to furnish the exact commodity as described. Consideration of the alternate shall be at the sole discretion of the Director. MORE THAN ONE (1) BID ON EACH ITEM WILL NOT BE CONSIDERED, UNLESS OTHERWISE SPECIFIED BY THE COUNTY.

**EQUIVALENT BIDS:** Bidders may offer a product of the same capability, but of different manufacture and model than that specified in this bid. The use of the name of a manufacturer, brand, make or catalog designation in specifying items described herein does not restrict or preclude bidders from offering equivalent or better product bids. Such a designation

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FORMAL SEALED BID PROPOSAL  
07053-11087-167

is used only to indicate the character, quality and minimum performance desired. Equal or better product bids are permissible. A bidder submitting an equal or better product shall, at his own cost and expense be responsible for submitting proof and/or a demonstration of equivalence, compatibility and performance. However, acceptance of an equivalent product shall be strictly at the discretion of the Director. Any omission of the term "or equal" in any specific bid item listing should be disregarded by the bidder. All bidders shall have an absolute right to submit "equivalent" bids notwithstanding any other provision of the bid specifications.

**WARRANTY:** The successful bidder warrants the equipment furnished and all associated equipment against any defects in design, workmanship and materials against failure to operate satisfactorily for one (1) year from the date of acceptance by the using department and/or agency of the equipment, other than defects or failure shown by the Contractor that have arisen solely from accident or abuse occurring after delivery to the Nassau County agency. Contractor agrees to replace any parts, which in the opinion of the user, shall fail from the above reasons.

*IMPORTANT NOTES: If a company policy or trade practice requires a different warranty period, the bidder may so state without fear of disqualifications. However, the bidder is cautioned that the length of warranty may, in some cases, be a deciding factor in making an award.*

*Equipment furnished hereunder shall meet the standards set forth in the Occupational Safety and Health Act of 1970.*

BIDDER SHALL STATE WARRANTY

PERIOD: See attached Warranty Docs

NOTE: All warranties take effect only upon written acceptance of equipment by using agency and shall run full term from that point.

BIDDER SHALL INDICATE COST AND TERM OF ANY EXTENDED WARRANTY OPTION, IF AVAILABLE:

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**NON-ASSIGNMENT:** In accordance with Section 138 of the State Finance Law, the contract may not be assigned by the Contractor or its right, title or interest therein assigned, transferred, conveyed, sublet or otherwise disposed of without the previous consent, in writing, of Nassau County and any attempts to assign the contract without the County's written consent are null and void.

**REDUCTION IN PRICES:** If an award is made, the Contractor agrees, should prices be reduced to the general trade during the requirement period, the County shall receive the benefit of such reduction immediately upon effect. It shall be incumbent upon the Contractor to notify the Purchasing Department of such price reductions.

**PRICE PROTECTION:** Bidders are required to state period of price protection (in terms of days) after the bid opening.

STATE PRICE PROTECTION PERIOD: 90 DAYS AFTER BID OPENING

ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.

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President  
TITLE

**OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK**

**FORMAL SEALED BID PROPOSAL  
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**EXTENSION OF PRICE:** It is anticipated that additional quantities of items specified herein may be required in the ensuing year. According, the County of Nassau requests that the prices bid be protected and be available to the County of Nassau for one (1) year from the date of the award. Economic conditions may not permit the price protection for an entire year. Bidders are requested to state the period for which bid prices will be applicable to potential additional orders.  
\_\_\_\_\_ days.

**NEW YORK STATE PRICES:** Bidders must represent and warrant that if they are under contract with New York State for items specified herein, that the price quoted to the County is not higher than the price per unit quoted to New York State for like quantities.

**VENDOR RESPONSIBILITY CRITERIA:** The Director of Purchasing reserves the right before making an award to make investigations as to whether or not the qualifications, services, facilities or items offered by the bidder meet the requirements set forth herein and are ample and sufficient to ensure the proper performance in the event of an award. The bidder must be prepared, if requested by the Director of Purchasing, to present evidence of experience, ability, financial standing, as well as a statement as to plant, machinery, trained personnel and capacity for the rendition of the service on which the vendor is bidding. Upon request of the Director, the successful bidder shall file certification from the manufacturer relative to authorization, delivery, service and guarantees. If it is found that the conditions of the bid are not complied with or that the services or equipment proposed to be furnished do not meet the requirements called for, or that the qualifications, financial standing, or facilities are not satisfactory, the Director may reject such bids. It is distinctly understood, however, that nothing in the forgoing shall mean or imply that it is obligatory upon the Director to make any examinations before an award; and it is further understood that, if such examination is made, it in no way relieves the bidder from fulfilling all requirements and conditions of the bid.

**INSURANCE AND WORKERS COMPENSATION:** The successful bidder agrees to obtain from an insurance company, authorized to do business in the State of New York, and keep in force during the term of any agreement, a policy of Comprehensive and General Liability Insurance naming the Contractor as an insured, and naming the County of Nassau as an additional insured, including but not limited to the torts and negligence of Contractor's personnel, with a combined minimum single limit of five million dollars (\$5,000,000.00) for bodily injury and property damage for any one occurrence and \$10,000,000.00 aggregate at the Contractor's sole cost and expense. Evidence of insurance may be required prior to Notice of Award or issuance of a Purchase Order.

The Contractor shall comply with all provisions of the Workers' Compensation Law and shall furnish a certificate showing evidence of current coverage.

**PRODUCT LIABILITY INSURANCE:** The successful bidder agrees to obtain from an insurance company authorized to do business in the State of New York, and keep in force during the term of an agreement, a policy of Product Liability Insurance, including foreign objects, with a combined minimum single limit of five million dollars (\$5,000,000.00) for each occurrence, at the Contractor's sole cost and expense, and shall furnish a certificate showing evidence of current coverage. Evidence of insurance may be required prior to Notice of Award or issuance of a Purchase Order.

**NON-COLLUSIVE BIDDING CERTIFICATION REQUIRED BY SECTION 139-D OF THE STATE FINANCE LAW**

**BY SUBMISSION OF THIS BID, BIDDER AND EACH PERSON SIGNING ON BEHALF OF BIDDER CERTIFIES, AND IN THE CASE OF A JOINT BID, EACH PARTY THERETO CERTIFIES AS TO ITS OWN ORGANIZATION, UNDER PENALTY OR PERJURY, THAT TO THE BEST OF HIS/HER KNOWLEDGE AND BELIEF:**

**ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.**

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OFFICE OF PURCHASING  
COUNTY OF NASSAU STATE OF NEW YORK

FORMAL SEALED BID PROPOSAL  
07053-11087-167

- [1] The prices of this bid have been arrived at independently, without collusion, consultation, communication, or agreement for the purposes of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;
- [2] Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and
- [3] No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

**A BID SHALL NOT BE CONSIDERED FOR AWARD NOR SHALL ANY AWARD BE MADE WITH [1], [2], [3] ABOVE HAVE NOT BEEN COMPLETE WITH; PROVIDED HOWEVER, THAT IF IN ANY CASE THE BIDDER(S) CANNOT MAKE THE FOREGOING CERTIFICATION, THE BIDDER SHALL SO STATE AND SHALL FURNISH BELOW A SIGNED STATEMENT WHICH SETS FORTH IN DETAIL THE REASONS THEREFORE:**

[AFFIX ADDENDUM TO THIS PAGE IF SPACE IS REQUIRED FOR STATEMENT]

Subscribed to under penalty of perjury under the laws of the State of New York,

this 2ND day of NOVEMBER, 20 17 as the act and deed of said Corporation or Partnership.

**Identifying Data:**

Potential Contractor:

L.I. Proliner Inc

Address:

18

Street:

Peconic Ave

City, Town, etc:

Medford NY 11763

Telephone:

631 447 9558

Title:

President

If applicable, responsible Corporate Officer

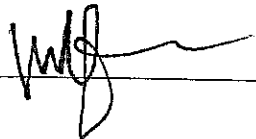
Name

Vasilios Hadzigeorgiou

Title

President

Signature:



Sign Here

**FAILURE TO COMPLETE THIS FORM AND SIGN IN APPROPRIATE PLACE SHALL RESULT IN AUTOMATIC REJECTION OF THE BID.**

**GENERAL INSTRUCTIONS:** All bidders must adhere to the following conditions:

**ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.**

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COUNTY OF NASSAU STATE OF NEW YORK**

**FORMAL SEALED BID PROPOSAL  
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As per New York State Municipal Law 103, no exception can be taken to any material term and/or condition of this bid with the exception of any warranties as presented in this bid for the specific commodity or service required.

Any language in any proposal or document submitted by a bidder as part of their bid that is accepted by the County of Nassau cannot be in conflict with any material term and/or condition relevant to this bid with the exception of any warranties or the specifications of the commodity or service required by this bid. If there is any conflict between the bidder's terms and conditions and the terms and conditions of this bid, the terms and conditions of this bid shall govern.

Bidders must insert **FEDERAL IDENTIFICATION NUMBER** in the space provided on page one of this bid.

Late Formal Sealed Bids will NOT be accepted. Bidders are urged to mail bids early to assure delivery on time. Bids must be received by 11:00 A.M. on the bid opening date.

Prices **MUST** be inserted with **TYPEWRITER OR INK**. Entries with **WHITE OUT**, **CROSS-OUTS OR LIFT-OFF TAPE** **MUST** BE INITIALED or that entry will be disqualified.

Bidders should submit bid with unit price in the appropriate column on bid pages or forms attached hereto. In the event of a discrepancy between the unit price and the extension, the unit price shall govern. Bidders shall submit one (1) original bid document and all applicable attachments. Any order issued against this bid will refer to the bid and attachments to designate items awarded. Bidders agree that all, Direct Purchase Orders and/or Purchase Orders shall be effective and binding upon the Contractor when placed in the mail, addressed to the Contractor at the address shown on the Direct Purchase Order or the Purchase Order.

Bidders **MUST** state manufacturer's name and catalog number of each item bid.

**ABSOLUTELY NO MINIMUM ORDERS** shall be applied to this bid.

Purchases made by Nassau County are not subject to State or Local Sales Tax or Federal Excise Taxes.

**Federal Exemption Number: A-109538      State Exemption Number: EX 7213062C**

Inside (receiving dock) delivery is required on all orders.

The rights and obligations of the parties under this agreement shall be governed by the laws of the State of New York.

Bids are hereby solicited for the commodities and/or services specified herein which are to be delivered and/or performed at the locations indicated, and in strict accordance with all specifications, terms and conditions attached hereto and made part hereof.

Bid document must be signed by proprietor, partner or corporate officer.

The clauses contained in these bid forms set forth the wishes of the County of Nassau in regard to the purchase and/or services required. However, the Director reserves the right to waive irregularities, omissions, or other technical defects if, in its judgment, the best interest of the County of Nassau will be served accordingly.

Bidders may take exception to paragraphs of the bid under a separate cover letter to be attached to this bid, indicating the specific bid page, paragraph and the exception(s). In any event, the decision of the Director will be final.

**ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.**

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Qualification statement **MUST BE COMPLETED** and submitted with bid. See page 4 for further details

**IMPORTANT NOTE:** The Director reserves the right to accept or reject any and all bids, or separable portions of offers, and waive technicalities, irregularities, and omissions if the Director determines the best interests of the County of Nassau will be served. The Director, in his sole discretion, may accept or reject illegible, incomplete or vague bids and his decision shall be final. A conditional or revocable bid which clearly communicates the terms or limitations of acceptance may be considered and contract award may be made in compliance with the bidder's conditional or revocable terms in the offer. Prior to award, the Director reserves the right to seek clarifications, request bid revisions, or to request any information deemed necessary for proper evaluation of bids from all bidders deemed to be eligible for contract award. Failure to provide requested information may result in rejection of the bid.

**EVALUATION:**

The Director of the Office of Purchasing (hereinafter known as the Director) reserves the right before making award to make investigations as to whether or not the items, qualifications, services or facilities offered by the Bidder meet the requirements set forth herein and are ample and sufficient to insure the proper performance in the event of an award. The Bidder must be prepared, if requested by the Director, to present evidence of experience, ability and financial standing, as well as a statement as to plant, machinery, trained personnel and capacity for the rendition of the service on which he is bidding. Upon request of the Director of Purchasing, successful bidder shall file certification from the manufacturer relative to authorization, delivery, service and guarantees. If it is found that the conditions of the bids are not complied with or that the services or equipment proposed to be furnished do not meet the requirements called for, or that the qualifications, financial standing or facilities are not satisfactory, the Director may reject such bids. It is distinctly understood, however, that nothing in the foregoing shall mean or imply that it is obligatory upon the Director to make any examinations before award; and it is further understood that, if such examination is made, it in no way relieves the Bidder from fulfilling all requirements and conditions of the bid.

**Record Retention**

Contractor shall retain complete and accurate records and documents related to this Agreement for six (6) years following the later of termination or final payment. Such records shall at all times be available for audit and inspection by the County.

Governing Law – Consent to Jurisdiction and Venue; Governing Law. Unless otherwise specified in this Agreement or required by Law, exclusive original jurisdiction for all claims or actions with respect to this Agreement shall be in the Supreme Court in Nassau County in New York State and the parties expressly waive any objections to the same on any grounds, including venue and forum non conveniens. This Agreement is intended as a contract under, and shall be governed and construed in accordance with, the Laws of New York State, without regard to the conflict of laws provisions thereof.

**Ordinance # 72-2014**

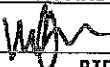
The bidder declares that they are a registered vendor in accordance with Ordinance # 72-2014 (the "Ordinance"). All registered vendors must pay the One Hundred Twenty-Five Dollar (\$125.00) annual fee required under the Ordinance. Additionally, registered vendors must pay a Two Hundred Seventy-Five Dollar (\$275.00) per contract fee to register Blanket contracts on the County's procurement website, as required under the Ordinance.

Further details about the registration process may be found at

**<https://eproc.nassaucountyny.gov/SupplierRegister>**

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President

TITLE

**Specifications**  
**See attached document pages 1-57**

| <u>Item #</u> | <u>Qty.</u> | <u>Unit</u> | <u>Description</u>   | <u>Unit Price</u> | <u>Total Price</u> |
|---------------|-------------|-------------|--|-------------------|--------------------|
| 1.            | ( One )     | Each        | Pumper Truck Initial Attack Fire Apparatus<br>As per specifications or equal | \$ 257,247.00     |                    |

ALL BIDS MUST BE F.O.B. DESTINATION AND INCLUDE DELIVERY WITHIN DOORS UNLESS OTHERWISE SPECIFIED.

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**Initial Attack Fire Apparatus**

**for the**

**Nassau County Fire Marshal**

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## **GENERAL REQUIREMENTS**

All specifications contained herein are considered minimum requirements for the manufacture and delivery of the "new" emergency support vehicle chassis and body. The terms "minimum" and "maximum" shall define the respective constraints that apply to the overall design, dimensions or quality level established by Nassau County Fire Marshal's Office, hereafter called purchaser. The term or equal shall define the degree of determined quality level and shall be the sole responsibility of the purchaser to judge whether the proposed equal submitted by the bidder meets the minimum established quality level. Minor details of construction and materials, which are not otherwise specified, are subject to the discretion of the contractor. Where brand names are referenced, it shall be understood by the bidder that the specified brand and part number are open market commodities and, thus, must be furnished as specified herein.

Any images or illustrative material included in this publication are as accurate as known at the time of publication and are, if applicable, for reference only and may not represent specifically the apparatus outlined herein.

The apparatus shall conform to the latest revision to National Fire Protection Association (NFPA) Standard for Automotive Fire Apparatus, number 1901, unless otherwise specified in this document. Only the specified emergency support vehicle and equipment listed in these specifications shall be provided. The apparatus shall further conform to all Federal Motor Vehicle Safety Standards (FMVSS) applicable at the time of manufacture.

## **ENGINEERING DRAWINGS**

A major factor in the evaluation of bids shall be the submission of engineering proposal drawings. No bid proposals will be considered without complete engineering proposal type drawings submitted with the bid response. Submitted drawings must be specifically for the proposed apparatus, depicting all major specified components and chassis and have the purchasers name affixed.

The submission of these drawings shall be in addition to production working drawings which must be submitted to the purchaser for approval prior to construction of the proposed apparatus.

At a minimum, the drawings shall show the following minimum views, with doors open:

- Street side view
- With applicable cab and chassis
- Overall length of apparatus; length of body; overall height from level ground; angle-of-departure
- Compartment dimensions for each compartment
- All installed options, including but not limited to: shelves, trays, partitions, reels, major specified stored equipment (as outlined in Compartment Layout Schedule), etc.
- All specified lighting and other permanently attached features
- Curb side view
  - With applicable cab and chassis
  - With installed options, including but not limited to: shelves, trays, partitions, reels, major specified stored equipment (as outlined in Compartment Layout Schedule), etc.
  - All specified lighting and other permanently attached features.
- Rear view
  - All installed options, including but not limited to: shelves, trays, partitions, reels, major specified stored equipment (as outlined in Compartment Layout Schedule), etc.
  - All specified lighting and other permanently attached features.
  - Overall width and height
- Front view
  - Depicting specified cab



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All specified lighting and other permanently attached features  
Bumper layout

- Top view

Submission of "similar to" or "standard" drawings or statements referencing submission of drawings after award of contract will render the bid as non-compliant and subject to no further review.

### **PERFORMANCE TEST AND REQUIREMENTS**

A road test will be conducted with the apparatus fully loaded and a continuous run of ten (10) miles or more will be made under all driving conditions, during which time the apparatus shall show no loss of power or overheating. The transmission drive shaft or shafts, and rear axles shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus.

### **FAILURE TO MEET TEST**

In the event the apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made at the option of the bidder within thirty days of the date of the first trials. Such trials shall be final and conclusive and failure to comply with these requirements shall be cause for rejection. Failure to comply with changes as the purchaser may deem necessary to conform to any clause of the specification within thirty (30) days after notice is given to the bidder of such changes shall also be cause for rejection of the apparatus. Permission to keep or store the apparatus in any building owned or occupied by the purchaser or its use by the purchaser during the above specified period with the permission of the bidder shall not constitute acceptance.

### **MATERIALS**

Materials shall conform to the specifications listed herein. When not specifically listed, materials shall be of the best quality for the purpose of commercial practice. Materials shall be free of all defects and imperfections that might affect the serviceability of the completed apparatus.

### **GENERAL INFORMATION**

The proposed apparatus will be constructed to withstand the severe and continuous use encountered during emergency fire fighting services. The apparatus will be of the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained.

This proposal details the general design criteria of cab and chassis components, aerial device (if applicable), fire pump and related components (if applicable), water tank (if applicable), fire body, electrical components, painting, and equipment.

All items of these proposal specifications will conform to the fullest extent possible with the National Fire Protection Association Pamphlet No. 1901, latest edition, except as noted in the Statement-of-Exceptions.

BIDDER will furnish satisfactory evidence of our ability to construct, supply service parts and technical assistance for the apparatus specified.

### **FIRE APPARATUS DOCUMENTATION**

BIDDER will supply, at the time of delivery, at least one (1) copy of the following documents:

The manufacturer's record of apparatus construction details, including the following information:

- Owners name and address
- Apparatus manufacturer, model and serial number
- Chassis make, model and serial number
- Front tire size and total rated capacity in pounds
- Rear tire size and total rated capacity in pounds
- Chassis weight distribution in pounds with water and manufacturer mounted equipment, front and rear
- Engine make, model, serial number, rated horsepower, rated speed and governed speed
- Type of fuels and fuel tank capacity
- Electrical system voltage and alternator output in amps.
- Battery make, model and total capacity in cold crank amps (CCA)
- Transmission make, model and serial number. If so equipped chassis transmission PTO(s) make, model and gear ratio
- Pump make, model, rated capacity in gallons per minute (liters per minute where applicable) and serial number
- Pump transmission make, model, serial number and gear ratio
- Auxiliary pump make, model, rated capacity in gallons per minute (liters per minute where applicable) and serial number
- Water tank certified capacity in gallons or liters
- Paint manufacturer and paint number(s)

Certification of slip resistance of all stepping, standing and walking surfaces.

If the apparatus has a fire pump or an industrial supply pump, the pump manufacturer's certification of suction capability.

If the apparatus has a fire pump or an industrial supply pump, a copy of the apparatus manufacturer's approval for stationary pumping applications.

If the apparatus has a fire pump or an industrial supply pump, the engine manufacturers certified brake horsepower curve for the engine furnished, showing the maximum governed speed.

If the apparatus has a fire pump or an industrial supply pump, the pump manufacturers certification of hydrostatic test (if applicable).

If the apparatus has a fire pump or an industrial supply pump, the Underwriters Laboratory certification of inspection and test for the fire pump (if applicable).

If the apparatus has an aerial device the Underwriters Laboratory certification of inspection and test for the aerial device.

If the apparatus has an aerial device, all the technical information required for inspections to comply with NFPA 1911, Standards for Testing Fire Department Aerial Devices.

If the apparatus has a fixed line voltage power source, the certification of the test for the fixed power source (if applicable).

If the apparatus is equipped with an air system, test results of the air quality, the SCBA fill station, and the air system installation.

Weight documents from certified scale - showing actual loading on the front axle, rear axle(s) and overall vehicle (with the water tank full but without personnel, equipment and hose) will be supplied with the complete vehicle to determine compliance with NFPA-1901

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Written load analysis and results of electrical performance tests.

If the apparatus is equipped with a water tank, the certification of water tank capacity by the tank manufacturer.

The proposed chassis will be certified by BIDDER as conforming to all applicable Federal Motor Vehicle Safety Standards (FMVSS) in effect at the date of contract. This will be attested to by the attachment of a FMVSS certify caution label on the vehicle by BIDDER, who will be recognized as the responsible final manufacturer.

BIDDER will be responsible for preparing and maintaining a record file of parts and assemblies used to manufacture the proposed apparatus. These records will be maintained in BIDDER's factory for a minimum of twenty (20) years. The file will contain copies of any and all reported deficiencies, all replacement parts required to maintain the apparatus, and original purchase documents including specifications, contract, invoices, incomplete chassis certificates, quality control reports and final delivery acceptance documents. The purchaser will have access to any and all documents contained in this file upon official written request.

#### **GENERAL CONSTRUCTION**

The proposed apparatus, assemblies, subassemblies, component parts, etc., will be designed and constructed with the due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is subjected to when placed in service. All parts of the apparatus will be designed with a factor of safety, which is equal to or greater than that which is considered standard and acceptable for this class of equipment in fire fighting service. All parts of the proposed apparatus will be strong enough to withstand general service under full load. The apparatus will be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between front and rear axles that all specified equipment, including a full complement of specified ground ladders, full water tank, loose equipment, and firefighters will be carried without overloading or injuring the apparatus.

#### **SINGLE-LINE RESPONSIBILITY**

BIDDER is a true "sole source" manufacturer. BIDDER engineers, designs, manufactures, builds and paints our own fire apparatus cab, chassis, body, aerial devices and electrical systems. All work is done in BIDDER owned and operated manufacturing facilities by BIDDER direct employees. This capability provides consistent design and manufacturing procedures that will reduce warranty issues and provide ease in parts replacement.

#### **SERVICE CENTER AND PARTS DEPOT**

Factory Authorized Service center must be located within 50 miles of the Nassau County Fire Marshal's office.

#### **MATERIAL AND WORKMANSHIP**

All equipment furnished will be guaranteed to be new and of current manufacture, to meet all requirements of purchaser's specifications.

All workmanship will be of high quality and accomplished in a professional manner so as to insure a functional apparatus with a pleasing, aesthetic appearance.

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### **APPROVAL DRAWING**

A detailed drawing of the apparatus will be provided to the Nassau County Fire Marshal for approval before construction begins. A copy of this drawing will also be provided to the manufacturer's representative. Upon Nassau County Fire Marshal approval, the finalized drawing will become a part of the total contract.

The drawing will show, but is not limited to, such items as the chassis make and model, major components, location of lights, sirens, all compartment locations and dimensions, special suction, discharges, etc. The drawing will be a visual interpretation of the apparatus as it is to be supplied.

### **INSPECTION VISITS**

BIDDER will provide three (3) factory inspection trips to BIDDER's facility. Transportation, meals, lodging, and other requisite expenses will be the bidder's responsibility.

Accommodations shall be for three (3) Nassau County Fire Marshal representatives per trip.

The factory visits shall occur at the following stages of production of the apparatus:

- Pre-construction / blueprint review.
- Midpoint completion of entire apparatus.
- Final inspection upon completion.

Travel arrangements less than 300 miles from the manufacturing facility will be via ground transportation.

The customer maintains the right to inspect the apparatus, within BIDDER's normal business hours. At any other point during construction expenses incurred during non-specified visits will be the responsibility of the customer.

During inspection visits, the customer reserves the right to conduct actual performance tests to evaluate completed portions of the unit. Testing will be accomplished with the assistance and resources of the contractor.

### **INSTRUCTION MANUALS/DRAWINGS, SCHEMATIC**

BIDDER will supply at time of delivery, two (2) CD copies of a complete operation and service manual covering the complete apparatus as delivered and accepted.

The manual will contain the following:

- Descriptions, specifications, and ratings of chassis, pump (if applicable), and aerial device.
- Wiring diagrams.
- Lubrication charts.
- Operating instructions for the chassis, any major components such as a pump and any auxiliary systems.
- Instructions regarding the frequency and procedures recommended for maintenance.
- Parts replacement information.

### **QUALITY MANAGEMENT**

BIDDER is certified ISO 9001 at all company locations. BIDDER received its certification from Eagle Registrations Inc. after they assessed the company's quality system and found it to be in full compliance with ISO 9001. Eagle is accredited as a registrar by ANSI-ASQ National Accreditation Board (ANAB), the organization responsible for qualifying registrars as competent to audit and certify organizations conforming to ISO 9001 or other management system standards.

The International Organization for Standardization (ISO) is a worldwide federation of national standards bodies from 130 countries. Its ISO 9001 standard is a quality assurance model made up of 20 sets of quality system requirements. This model applies to organizations that design, develop, produce, install, and service products.

This business management system allows BIDDER to monitor processes to ensure they are effective; keep adequate records; check output for defects, with appropriate and corrective action where necessary; regularly review individual processes and the quality system itself for effectiveness; and facilitate continual improvement.

A copy of BIDDER's certificate is included in this proposal.

#### **GENERAL APPARATUS DESCRIPTION "INITIAL ATTACK FIRE APPARATUS"**

The unit shall be designed to conform fully to the "Initial Attack Fire Apparatus" requirements as stated in the NFPA 1901 Standard (2016 Revision), which shall include the following required chapters as stated in this revision:

- Chapter 1 Administration
- Chapter 2 Referenced Publications
- Chapter 3 Definitions
- Chapter 4 General Requirements
- Chapter 6 Initial Attack Fire Apparatus
- Chapter 12 Chassis and Vehicle Components
- Chapter 13 Low Voltage Electrical Systems and Warning Devices
- Chapter 14 Driving and Crew Areas
- Chapter 15 Body, Compartments and Equipment Mounting
- Chapter 16 Fire Pumps and Associated Equipment
- Chapter 18 Water Tanks

#### **NFPA 1901 - STATEMENT OF EXCEPTIONS**

Nassau County Fire Marshal  
Fill in Apparatus Model, Year, VIN #

4.11.2 The VDR shall be capable of recording the data shown in Table 4.11.2 in that order at least once per second.

Table 4.11.2 VDR Data

- |                                   |                 |                    |
|-----------------------------------|-----------------|--------------------|
| • Data                            | Unit of Measure |                    |
| • Vehicle speed                   |                 | mph                |
| • Acceleration (from speedometer) |                 | mph/sec            |
| • Deceleration (from speedometer) |                 | mph/sec            |
| • Engine speed                    |                 | rpm                |
| • Engine throttle position        |                 | % of full throttle |
| • Anti-lock braking system event  |                 | On/off             |
| • Seat occupied status Occupied:  |                 | Yes/No by position |

- 
- |                                 |                             |
|---------------------------------|-----------------------------|
| • Seat belt status              | Buckled: Yes/No by position |
| • Master optical warning device | On/off switch               |
| • Time                          | 24-hour clock               |
| • Date                          | Year/month/day              |

The seat belt system available on the Ford chassis is an integral part of the vehicle's air bag system (supplemental restraint system) and is not able to be interfaced to communicate the required information (seat occupied or seat belt buckled status) to the Vehicle Data Recorder.

The seat belt system available on the Ford chassis is an integral part of the vehicle's air bag system (supplemental restraint system) and is not able to be interfaced to communicate the required information (seat occupied or seat belt buckled status) to the seat belt warning system.

The Ford seat belt system, which is integrated with the supplemental restraint (air bag) system, cannot be modified to achieve full compliance. Vehicle does not meet the following:

- 14.1.3.9 - A seat belt warning system shall be provided.
- 14.1.3.9.1 - The warning system shall consist of an audible warning device that can be heard at all seating positions designed to be occupied while the vehicle is in motion and a visual display visible to the driver or the officer showing the condition of each seating position.

### **CAB SAFETY SIGNS**

The following safety signs shall be provided in the cab:

- A label displaying the maximum number of personnel the vehicle is designed to carry shall be visible to the driver.
- "Occupants will be seated and belted when apparatus is in motion" signs shall be visible from each seat.
- "Do Not Move Apparatus When Light Is On" sign adjacent to the warning light indicating a hazard if the apparatus is moved (as described in subsequent section).
- A label displaying the height, length, and GVWR of the vehicle shall be visible to driver.
- This label shall indicate that the Nassau County Fire Marshal will revise the dimension if vehicle height changes while vehicle is in service.

### **CHASSIS DATA LABELS**

The following information shall be on labels affixed to the vehicle:

#### **Fluid Data**

- Engine Oil
- Engine Coolant
- Chassis Transmission Fluid
- Pump Transmission Lubrication Fluid
- Pump Primer Fluid (if applicable)
- Drive Axle(s) Lubrication Fluid
- Air Conditioning Refrigerant
- Air Conditioning Lubrication Oil
- Power Steering Fluid
- Cab Tilt Mechanism Fluid

- Transfer Case Fluid (if applicable)
- Equipment Rack Fluid (if applicable)
- Air Compressor System Lubricant
- Generator System Lubricant (if applicable)
- Front Tire Cold Pressure
- Rear Tire Cold Pressure
- Aerial Hydraulic Fluid (if applicable)
- Maximum Tire Speed Rating

#### Chassis Data

- Chassis Manufacturer
- Production Number
- Year Built
- Month Manufactured
- Vehicle Identification Number

#### Manufacturers weight certification:

- Gross Vehicle (or Combination) Weight Rating (GVWR or GCWR)
- Gross Axle Weight Rating, Front
- Gross Axle Weight Rating, Rear

### **ROLLOVER STABILITY**

The apparatus shall meet the criteria defined in 4.13.1 for rollover stability as defined in the 2016 NFPA Standard for Automotive Fire Apparatus.

### **PRINCIPAL APPARATUS DIMENSIONS & G.V.W.R.**

- OVERALL LENGTH: 301"
- OVERALL WIDTH: 100"
- OVERALL HEIGHT: 88.5"
- WHEELBASE: 192"

The axle and total weight ratings of the completed apparatus will not be less than the following minimum acceptable weight ratings:

- MINIMUM FRONT G.A.W.R.: 7,000 lbs.
- MINIMUM REAR G.A.W.R.: 14,000 lbs.
- MINIMUM TOTAL G.V.W.R.: 19,500 lbs.

BIDDER will include the principal dimensions, front G.A.W.R., rear G.A.W.R., and total G.V.W.R. of the proposed apparatus. Additionally, BIDDER will provide a weight distribution of the fully loaded, completed vehicle; this will include a filled water tank, specified hose load, miscellaneous equipment allowance in accordance with NFPA-1901 requirements, and an equivalent personnel load of 250 lbs. per seating position.

### **EXTRA SPARE TIRE**

One (1) spare and jack will be provided with the chassis from Ford. The secondary spare tire will be purchased by BIDDER and provided as loose equipment. One front axle tire and one rear axle tire will be provided.

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4x4 SD Super Cab 192" WB DRW XLT(X5H)

**Base Vehicle**

Base Vehicle Price (X5H)

**Packages**

Order Code 663A

**Powertrain**

Engine: 6.7L 4V OHV Power Stroke V8 Turbo Diesel B20

*Includes split-shaft calibration compatibility.*

*Includes:*

- Dual 78 AH 750 CCA Batteries

Transmission: TorqShift 6-Speed Automatic

(6R140). *Includes SelectShift.*

Limited Slip w/4.88 Axle Ratio

GVWR: 19,500 lb Payload Plus Upgrade Package

*Includes upgraded frame, rear-axle and low deflection/high capacity springs. Increases max RGAWR to 14,706.*

**Wheels & Tires**

Tires: 225/70Rx19.5G BSW Traction

*Includes 4 traction tires on the rear and 2 all-season tires on the front. Optional spare is 225/70Rx19.5G BSW all-season.*

Wheels: 19.5" Forged Polished Aluminum

*Includes bright hub covers/center ornaments.*

**Seats & Seat Trim**

Cloth 40/20/40 Split Bench Seat

*Includes driver's side manual lumbar, 20% center under seat storage, center armrest, cup holder, storage and 4-way adjustable driver and passenger headrests.*

**Other Options**

Monotone Paint Application

5 sets of keys with fobs

192" Wheelbase

Engine Block Heater

Transfer Case Skid Plates

Manual Locking Hubs

Transmission Power Take-Off Provision

*Includes transmission mounted live drive and stationary mode PTO.*

Operator Commanded Regeneration

*Includes active regeneration inhibit.*

Upfitter Interface Module

Dual Extra Heavy-Duty Alternators (Total 377-Amps)

Carpet Delete (LPO)

*Replaced with black flooring.*

Radio: AM/FM Stereo Single-CD/MP3

*Includes auxiliary audio input jack and 7 speakers.*

*Includes:*

- SYNC w/MyFord Communications & Entertainment System

*Includes voice-activated with 911 Assist and AppLink (includes 1 USB port; compass feature will display in instrumentation center).*

- SiriusXM Satellite Radio



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*Includes a 6-month prepaid subscription. Service is not available in Alaska and Hawaii. Subscriptions to all SiriusXM services are sold by SiriusXM after trial period. If you decide to continue service after your trial, the subscription plan you choose will automatically renew thereafter and you will be charged according to your chosen payment method at then-current rates. Fees and taxes apply. To cancel you must call SiriusXM at 1-866-635-2349. See SiriusXM Customer Agreement for complete terms at [www.siriusxm.com](http://www.siriusxm.com). All fees and programming subject to change. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.*

### **Fleet Options**

Fire/Rescue Prep Pkg w/EPA Special Emissions (LPO)

*Includes 7000 lbs. max front springs/GAWR rating for configuration selected. Incomplete vehicle package - requires further manufacture and certification by a final stage manufacturer. NOTE 1: Stationary Elevated Idle Control (SEIC) has been integrated into the engine control module. NOTE 2: Engine calibration significantly reduces the possibility of depower mode when in stationary PTO operation. NOTE 3: Operator commanded regen allowed down to 30% of DPF filter full, instead of 100%. NOTE 4: Must meet the definition of an Emergency Vehicle, an Ambulance or Fire Truck per 40 CFR 86.1803.01 in the Federal Register. NOTE 5: California Code of Regulations allows for the sale of federally certified emergency vehicles in California.*

*Includes:*

- Dual Extra Heavy-Duty Alternators (Total 377-Amps)
- Operator Commanded Regeneration

*Includes active regeneration inhibit.*

### **Emissions**

50-State Emissions System

### **Interior Colors**

Medium Earth Gray

### **Primary Colors**

Oxford White

### **Dimensions**

\* Wheelbase: 192"

### **Powertrain**

- \* Powerstroke 330hp 6.7L OHV 32 valve intercooled turbo V-8 engine with diesel direct injection
- \* Recommended fuel : diesel
- \* federal \* TorqShift 6 speed automatic transmission with overdrive
- \* Part-time \* Limited slip differential
- \* Fuel Economy Cty: N/A \* Fuel Economy Highway: N/A
- \* Transmission PTO provision

### **Suspension/Handling**

- \* Front Mono-beam non-independent suspension with anti-roll bar, HD shocks
- \* Rear DANA 130 rigid axle leaf spring suspension with anti-roll bar, HD shocks
- \* Firm ride Suspension \* Hydraulic power-assist re-circulating ball Steering
- \* Front and rear 19.5 x 6 polished forged aluminum wheels
- \* LT225/70SR19.5 GBSW AS front and rear tires
- \* Dual rear wheels

### **Body Exterior**

- \* 4 doors \* Reverse opening left rear passenger

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- \* Reverse opening right rear passenger \* Driver and passenger power remote heated folding door mirrors with turn signal indicator
  - \* Turn signal indicator in mirrors \* Black door mirrors
  - \* Chrome bumpers \* Trailer harness
  - \* Clear coat paint \* Front and rear 19.5 x 6 wheels

#### **Convenience**

- \* Manual air conditioning with air filter \* Cruise control with steering wheel controls
- \* Power windows \* Driver and passenger 1-touch up
- \* Driver and passenger 1-touch down \* Remote power door locks with 2 stage unlock and illuminated entry
- \* Manual tilt steering wheel \* Manual telescopic steering wheel
- \* Day-night rearview mirror \* 911 Assist emergency S.O.S.
- \* Wireless phone connectivity \* AppLink smart device integration
- \* 2 1st row LCD monitors \* Front and rear cup holders
- \* Dual visor mirrors \* Full overhead console
- \* Driver and passenger door bins \* Rear door bins

#### **Seats and Trim**

- \* Seating capacity of 6 \* Front 40-20-40 split-bench seat
- \* 4-way driver seat adjustment \* Manual driver lumbar support
- \* 4-way passenger seat adjustment \* Centre front armrest with storage
- \* 60-40 folding rear split-bench seat \* Cloth seat upholstery
- \* Metal-look instrument panel insert

#### **Entertainment Features**

- \* AM/FM/Satellite radio with radio data system \* Single CD player
- \* MP3 decoder \* Auxiliary audio input
- \* SYNC external memory control \* Steering wheel mounted radio controls
- \* 7 speakers \* Wireless streaming
- \* Fixed antenna

#### **Lighting, Visibility and Instrumentation**

- \* Halogen aero-composite headlights \* Delay-off headlights
- \* Fully automatic headlights \* Variable intermittent front windshield wipers
- \* Deep tinted windows \* Front reading lights
- \* Tachometer \* Compass
- \* Outside temperature display \* Trip computer
- \* Trip odometer

#### **Safety and Security**

- \* 4-wheel ABS brakes \* 4-wheel disc brakes
- \* Drive line traction control \* Dual front impact airbag supplemental restraint system with passenger cancel
- \* Dual seat mounted side impact airbag supplemental restraint system
- \* Safety Canopy System curtain 1st and 2nd row overhead airbag supplemental restraint system
- \* Remote activated perimeter/approach lighting \* Power remote door locks with 2 stage unlock and panic alarm
- \* Security system with Securilock immobilizer \* MyKey restricted driving mode
- \* Manually adjustable front head restraints with tilt \* 3 manually adjustable rear head restraints

#### **Dimensions**

##### *General Weights*

Curb 1039 lbs. GVWR 19500 lbs.  
Front GAWR 7000 lbs. Rear GAWR 14706 lbs.  
Payload 10887 lbs. Front curb weight 726 lbs.

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Rear curb weight 313 lbs. Rear axle capacity 14706 lbs.  
Front spring rating 7000 lbs. Rear spring rating 15000 lbs.

### **Warranty**

#### *Basic*

Distance 36000 miles Months 36 months

#### *Powertrain*

Distance 60000 miles Months 60 months

#### *Corrosion Perforation*

Distance Unlimited miles Months 60 months

#### *Roadside Assistance*

Distance 60000 miles Months 60 months

#### *Diesel Engine*

Distance 100000 miles Months 60 months

### **EMBER SEPARATOR**

The apparatus manufacturer shall install a stainless mesh screen ember separator to the commercial chassis air intake system. The ember separator shall prevent matter larger than 0.039 in (1.0 mm) in diameter from reaching the air filter element.

### **CAB RUNNING BOARDS**

Custom tread plate cab running boards shall be provided at each cab entry.

### **CENTER CONSOLE**

A center Havis Shield console model C-1800 with 2 model C-ARM-102 arm rests matching existing fleet shall be furnished and shall be located between the driver and officer's seats. The console shall include a Havis model C-CUP2-I dual cup holder, and mounting brackets and plates for 2 mobile radios, a siren controller, and 2 USB ports.

The center seat shall be removed to accommodate the center console.

The forward area of the console shall have a mounting surface for emergency lighting switch panels and/or electronic siren control boxes within reach of the driver or officer.

### **ANTENNA INSTALLATION**

Four (4) antenna mounting base(s) model #MATM with 17' of coaxial cable shall be provided and installed on the cab roof. The attached antenna wire(s) shall be run to the center cab console area.

The Nassau County Fire Marshal is responsible to have the correct antenna whip installed once the apparatus is delivered.

### **TIRE PRESSURE MONITORING DEVICES**

Each tire shall be equipped with an LED tire alert pressure management system (Vecsafe equal) that shall monitor tire pressure. A chrome plated brass sensor shall be provided on the valve stem of each tire.

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The sensor shall calibrate to the tire pressure when installed on the valve stem for pressures between 20 and 120 psi. The sensor shall activate an integral battery operated LED when the pressure of that tire drops 8 psi.

Removing the cap from the sensor shall indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED shall immediately start blinking.

#### **DIESEL EXHAUST FLUID TANK - RELOCATION**

The Ford chassis shall have the "DEF" (Diesel Exhaust Fluid Tank) moved from the factory location, mounted between the frame rails, to outboard of the frame rail on the officer side with fill on the officers side pump panel.

#### **FORD - CAB STEP LIGHTS**

Tecniq E-03 step lights shall be provided, one (1) near each cab door to illuminate the cab stepping surfaces. The step lights shall be mounted in a convenient location so as to provide appropriate illumination to the cab stepping surfaces. The step lights shall automatically activate when the park brake is applied and marker lights are active.

#### **KUSSMAUL SAFETY LOCK SYSTEM**

Kussmaul Safety Lock model #09-148-12 shall be installed. This controller bypasses the ignition switch when activated by the closure of a momentary switch. The operator may then remove the ignition key without shutting the engine down. Movement of the vehicle is prohibited by the foot brake, a neutral safety switch on the gearshift or a parking brake operated switch. Operating any one of these will cause the relay in the SAFETY LOCK to drop out and interrupt the ignition circuit to stop the engine. The authorized operator need only insert the key, and turn on the ignition to operate the vehicle. With the key in the lock and turned on, the ignition circuit is completed as normal and the opening of the SAFETY LOCK relay has no effect on engine operation.

#### **COMMERCIAL CHASSIS ELECTRICAL SYSTEM**

The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, so as not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.

#### **12 VOLT ELECTRICAL SYSTEM TESTING**

The apparatus low voltage electrical system shall be tested and certified by the manufacturer. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0°F and 100°F.

The following three (3) tests shall be performed in order. Before each test, the batteries shall be fully charged.

#### **TEST #1-RESERVE CAPACITY TEST**

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes. All

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electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure.

#### **TEST #2-ALTERNATOR PERFORMANCE TEST AT IDLE**

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

#### **TEST #3-ALTERNATOR PERFORMANCE TEST AT FULL LOAD**

The total continuous electrical load shall be activated with the engine running up to the engine manufacturers governed speed. The test duration shall be a minimum of 2 hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded due to excessive battery discharge, as detected by the system, or a system voltage of less than 11.7 volts DC for a 12 volt system, for more than 120 seconds, shall be considered a test failure.

#### **LOW VOLTAGE ALARM TEST**

Following completion of the preceding tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm is activated.

The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts shall be considered a test failure. The battery system shall then be able to restart the engine.

At time of delivery, documentation shall be provided with the following information:

- Documentation of the electrical system performance test
- A written load analysis of the following;
- Nameplate rating of the alternator
- Alternator rating at idle while meeting the minimum continuous electrical load
- Each component load comprising the minimum continuous electrical load.
- Additional loads that, when added to the minimum continuous load, determine the total connected load.
- Each individual intermittent load.

#### **ELECTRICAL MANAGEMENT SYSTEM**

A Class 1 ES-Key Electrical Management System shall be utilized on the chassis for all functions applicable. The system shall consist of the following components:

The High Density I/O Node (Super Node) shall have the ability to perform the following functions:

- A modem with a RS232 computer interface and standard telephone jack used to not only program the multiplex system but also serve as a factory direct gateway into the vehicle from any Class 1 multiplex authorized service facility.
- A Universal System Manager (USM), which acts as the main controlling component of the multiplexing system shall be provided and factory programmed to DOT, NFPA, SAE, the manufacturer and Nassau County Fire Marshal specifications. The programming shall be done by the manufacturer's engineering department. The ES-Key system installation

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shall comply with SAE J 551 requirements regarding Electromagnetic and Radio Frequency interference (EMI, RFI), as well as utilize components and wiring practices that insure the system is protected against corrosion, excessive temperatures, water, excessive physical, and vibration damage by any equipment installed on the vehicle at the time of delivery.

- A series of Multiplexing Input/Output jacks shall be provided. The Input/Output jacks shall permit the multiplexing system to reduce the amount of wiring and components used as compared to non-multiplexed apparatus. These jacks shall vary in I/O configuration and shall possess individual output internal circuit protection.

The System shall also consist of a Smart Programmable Switch (SPS) panel that shall be installed and allow the operator to control the programmed functions of each individual switch.

Diagnostic software shall be provided to download data from the on board ES-KEY system. This software shall have the ability to view system input/output (I/O) information, and include a connection from a computer to the vehicle.

#### **BATTERY DISCONNECT SWITCH**

The chassis batteries shall be wired in parallel to a single 12 volt electrical system, controlled through a heavy duty master disconnect switch. The master disconnect switch shall be located within easy access of the driver upon entering or exiting the cab.

#### **120 VOLT SHORELINE CONNECTION - "SUPER" AUTO EJECT**

One (1) Kussmaul "Super" Auto Eject model 091-55-20-120, automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 110 volt battery charging systems.

The disconnect shall be equipped with a NEMA 5-20 P male receptacle, which shall automatically eject the shoreline when the vehicle starter is energized. The mating connector shall be included with the auto eject and shall be provided as loose equipment. A label shall be provided indicating voltage and amperage ratings.

#### **SHORELINE POWER INLET PLATE**

A shoreline power receptacle information plate shall be permanently affixed at or near the power inlet. The plate shall indicate the following:

- Type of Line Voltage
- Current Rating in Amps Power Inlet Type (DC or AC).

The Kussmaul auto-eject connection shall be equipped with a Red weatherproof cover.

The shoreline receptacle shall be located on the driver's main pump panel in a pre determined location by BIDDER.

#### **BATTERY CHARGER SYSTEM**

A Kussmaul model # 091-170-12, "Auto Charge 12 HO" high output, fully automatic battery charger shall be provided for maintaining the vehicle battery system. Remote voltage sensing shall be provided to compensate the charger output for the voltage drop in the charging wires. Output current shall be 20 amperes @ 12 volt DC. A built-in ammeter shall be provided.

#### **"DO NOT MOVE APPARATUS" WARNING LIGHT WITH AUDIBLE ALARM**

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A 1" round, red flashing warning light with an integral audible alarm, shall be functionally located in the cab to signal when an unsafe condition is present such as an open cab door or body compartment door, an extended ladder rack, a deployed stabilizer, an extended light tower or any other device which is opened, extended or deployed which may cause damage to the apparatus if it is moved.

This light shall be activated through the parking brake switch to signal when the parking brake is released. This light shall be labeled "DO NOT MOVE TRUCK".

### **12 VOLT ACCESSORY CIRCUIT**

A dedicated 12 volt power and ground circuit shall be provided in the specified body compartment as required. The circuit shall be for future installation of radios or accessories.

### **USB CHARGING PORT**

Two (2) round USB charging ports(s) shall be installed in the cab of the truck for the Nassau County Fire Marshals accessory devices. Each port shall have two (2) USB connections and shall have a 5 volt, 2.1 amp max output. The port(s) shall be located in the cab console for devices such as cellular phones.

### **BLUE SEA FUSE BLOCK - 12 CIRCUIT IN REAR CREW AREA**

A Blue Sea 5026B, 12 circuit fuse block, shall be installed behind the officers seat. This block has a maximum amperage of 60 Amps per block and 30 Amps per circuit.

### **IGNITION STUD - CENTER CAB CONSOLE AREA**

An ignition stud shall be installed in the center cab console area for items needing an ignition circuit (ie. mobile radio). This stud has a maximum amperage of 20 Amps.

### **FEDERAL SIGNAL TRIPLE CAMERA SYSTEM**

A Federal Signal model # CAMSET70-NTSC-4B rear vision camera system shall be provided to allow the driver to visually see the rear of the apparatus while in the cab. The system shall include a Federal 7.0" flat panel LCD color monitor mounted adjacent to the driver and a Federal rear vision color camera that shall be mounted at the rear of the vehicle. The system shall also feature a microphone on the camera and speaker built into the monitor.

In addition to the rear vision camera, two (2) Federal model# CAMCCD-SIDENTSC side mounted cameras shall be mounted one (1) on the officer side and one (1) on the drivers side of the cab.

The cameras shall be wired as follows:

- The driver side vision camera shall automatically activate when the driver side turn signal is activated.
- The officer side vision camera shall automatically activate when the officer side turn signal is activated.
- The rear vision camera shall automatically activate when the chassis transmission is placed in reverse.

The monitor for the rear vision system shall be mounted ceiling of the cab in easy view of the driver.

### **REAR SENTRY OBSTACLE SENSING SYSTEM**

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The apparatus shall be equipped with a Rear Sentry rear obstacle sensing system. The system shall alert the driver of obstacles up to 12' behind the apparatus when in reverse.

#### **DOT MARKER LIGHTS AND REFLECTORS**

Cab marker lights and signaling devices shall be as provided on the commercial chassis cab from the original chassis manufacturer. FMVSS reflectors shall also be provided as required.

Optronics model MCL82RB red LED marker lights with integral reflectors shall be provided at the lower side rear, one (1) each side.

Optronics MCL65 red LED clearance lights shall be provided on the apparatus rear upper, one (1) each side at the outermost practical location.

Optronics MCL12 LED 3-lamp identification bar will be provided on the apparatus rear center. The lights shall be red in color.

Truck-Lite # 98034R red reflectors shall be provided on the apparatus rear, one (1) each side at the outermost practical location.

#### **LED LICENSE PLATE LIGHT - REAR**

One (1) Tecniq model #L10 LED license plate light shall be provided above the mounting position of the license plate. The light shall be clear in color and shall have a chrome finish.

#### **TAIL, STOP, TURN AND BACK-UP LIGHTS**

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED red combination tail and stop lights, shall be mounted one each side at the rear of the body.

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED amber arrow turn signal lights, shall be mounted one each side, on a vertical plane with the tail/stop lights.

Two (2) Whelen M6 series, 4-5/16" x 6-3/4", LED white back-up lights, shall be mounted, one each side on a vertical plane with the turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.

Two (2) Whelen M6FCV4 mounting flanges, installed one (1) on each side, shall be provided to mount the lights described above in one common mounting flange. The fourth opening shall be for the lower rear warning lights.

The lights shall be mounted in order, from top to bottom, as described above.

#### **BODY STEP LIGHTS**

Polished stainless steel, TecNiQ Eon 3-LED horizontal surface mounted body step lights shall be provided and controlled with marker light actuation. Step lights shall be located to properly illuminate all body access steps and walkway areas and shall include a mounting gasket to provide a watertight seal.

#### **DUNNAGE AREA LIGHTING**

Two (2) stainless steel, TecNiQ Eon 3-LED horizontal surface mounted lights shall be provided in the dunnage area to provide adequate illumination of this area.



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### **HOSE BED LIGHTS**

One (1) ROM LED surface mounted lights shall be mounted in the hose bed on the front wall to illuminate the hose bed area.

### **HOSE BED WORK LIGHT - SWITCH**

The hose bed work light shall have a protected 12-volt switch at the rear body panel. The switch will be labeled "HOSE BED WORK LIGHTS".

### **SCENE LIGHTS - REAR OF BODY**

Two (2) Whelen M9LZC super LED scene lights shall be provided, one on each side of the rear body panel in a chrome plated flange. Each light shall draw 6 amps and generate 6,500 lumens. The scene lights shall be wired through the load management system.

### **SCENE LIGHTS - DRIVER SIDE OF BODY**

Two (2) Whelen M9LZC super LED scene lights shall be provided. The scene lights shall be installed one rearward and one forward on the driver side of the body in a chrome plated flange. Each light shall draw 6 amps and generate 6,500 lumens. The scene lights shall be wired through the load management system.

### **SCENE LIGHTS - OFFICER SIDE OF BODY**

Two (2) Whelen M9LZC super LED scene lights shall be provided. The scene lights shall be installed one rearward and one forward on the officer side of the body in a chrome plated flange. Each light shall draw 6 amps and generate 6,500 lumens. The scene lights shall be wired through the load management system.

### **REAR OF BODY LIGHT SWITCHING - CAB**

A switch shall be provided in the cab warning light switch console to turn the rear of body lights on and off.

### **DRIVER SIDE OF BODY LIGHT SWITCHING - CAB**

A switch shall be provided in the cab warning light switch console to turn the driver side of body lights on and off.

### **OFFICER SIDE OF BODY LIGHT SWITCHING - CAB**

A switch shall be provided in the cab warning light switch console to turn the officer side of body lights on and off.

### **REAR SCENE LIGHTS - ADDITIONAL ACTIVATION**

In addition to the cab mounted switch for the rear scene lights, the rear scene lights shall illuminate when the transmission is placed in reverse gear and the apparatus is operating as an emergency vehicle (Primary Warning switch on).

### **GROUND LIGHTS - CAB**

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One (1) JW Speaker 880 XD ground light shall be provided under each side cab door entrance step, two (2) total. The ground lights shall turn on automatically with each respective door jamb switch and also by a master ground light switch in the warning light switch console.

Each light shall illuminate an area at a minimum 30" outward from the edge of the vehicle. The rear crew door ground lights shall be positioned at an angle rearward to provide illumination at the pump panel and the front of the body work areas.

#### **GROUND LIGHTS - PUMP PANEL**

One (1) JW Speaker 880 XD ground light shall be provided under each side pump panel running board, two (2). The ground lights shall be activated by a master ground light switch in the cab and shall be wired through the load management system.

#### **GROUND LIGHTS - REAR**

One (1) JW Speaker 880 XD ground light shall be provided under each rear body corner, two (2) total. The ground lights shall be activated by a master ground light switch in the cab and shall be wired through the load management system.

#### **GROUND LIGHT SWITCHING**

The cab and body ground lights shall be equipped with an activation switch in the cab.

#### **12 VOLT BODY ELECTRICAL SYSTEM**

All electrical lines in the body shall be protected by automatic circuit breakers, conveniently located to permit ease of service. Flashers, heavy solenoids and other major electrical controls shall be located in a central area near the circuit breakers.

All lines shall be color and function coded every 3", easy to identify, oversized for the intended loads and installed in accordance with a detailed diagram. A complete wiring diagram shall be supplied with the apparatus.

Wiring shall be carefully protected from weather elements and snagging. Heavy duty loom shall be used for the entire length. Grommets shall be utilized where wiring passes through panels.

In order to minimize the risk of heat damage, wires run in the engine compartment area shall be carefully installed and suitably protected by the installation of heat resistant shielded loom.

All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901.

#### **PUMP ENCLOSURE WORK LIGHTS**

Two (2) Tecniq model #E18 lights shall be provided inside the pump enclosure providing 800 lumens each. Each light shall have their own independent switch incorporated into the light head.

#### **COMPARTMENT LIGHTS - LED**

Each exterior compartment shall have one (1) Tecniq LED model #E18 white dome light. Each light shall come on automatically when the respective door is opened and the master battery switch is on.

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### **TELESCOPING 75W WHELEN LED SPOT LIGHTS – FRONT OF BODY**

Two (2) Whelen model #PSP1P1, 75 watt, 12 volt led spot lights shall be installed, one (1) each side, on the front of the body, each using a Whelen, side mount, telescoping pole.

Each lamp head shall draw 6 amps and generate 7,000 lumens. Each light shall be switched at the light head.

### **FRONT OF BODY LIGHT SWITCHING - CAB**

Two (2) switches shall be provided in the cab warning light switch console to turn the front of body lights on and off. One (1) switch shall control the driver side light and one (1) switch shall control the officer side light.

### **NFPA AUDIBLE AND LIGHTING WARNING PACKAGE**

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901 Fire Apparatus Standard. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" which includes disabling all white warning lights when the apparatus is in "Blocking Right of Way" mode.

### **LIGHT PACKAGE ACTUATION CONTROLS**

The entire warning light package shall be actuated with a single warning light switch located on the cab switch panel. The wiring for the warning light package shall engage all of the lights required for "Clearing Right of Way" mode when the vehicle parking brake is not engaged. An automatic control system shall be provided to switch the warning lights to the "Blocking Right of Way" mode when the vehicle parking brake is engaged.

### **WARNING LIGHT FLASH PATTERN**

All of the perimeter warning lights shall be set to a default NFPA compliant flash pattern as provided by the light manufacturer.

### **UPPER LEVEL LIGHTING - WHELEN**

#### **NFPA ZONE A, UPPER**

Whelen # JE2NFPA "Justice", 56" LED cab roof warning light bar shall be furnished and rigidly mounted on top of the cab roof.

The light bar shall be equipped with the following:

- Clear Lenses
- Four Corner Red Linear 6 LEDs
- Four Red Forward Facing CON 3 LEDs
- Two White Forward Facing CON 3 LEDs.

If equipped, the forward facing white lights shall be automatically disabled for the "Blocking Right of Way" mode.

#### **NFPA ZONE C, UPPER**

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Two (2) Whelen 900 series super LED light heads shall be furnished and mounted one (1) each side on the upper rear face of the body, facing rear.

Left side light head model 90B5FB shall be equipped with Blue LEDs and a colored lens.  
Right side light head model 90R5FR shall be equipped with Red LEDs and a colored lens.  
The lights shall be installed with a chrome plated mounting flange.

#### **NFPA ZONES B & D REAR, UPPER**

Two (2) Whelen 90\*\*5F\*R, 900 super LED light heads shall be furnished and mounted one (1) each side on the upper side face, towards the rear of the body, facing to each side of the unit.

Each light head shall be equipped with red LEDs and a colored lens.

The lights shall be installed with a chrome plated mounting flange.

#### **NFPA ZONES B & D FRONT, UPPER**

The lighting requirement for this area is covered by the lights noted in Zone "A" - Upper.

#### **LOWER LEVEL LIGHTING - WHELEN**

##### **NFPA ZONE A, LOWER**

Two (2) Whelen LINZ6\* super LED light heads shall be provided and installed one (1) each side.

Each light head shall be equipped with red LEDs and a clear lens.

The lights shall be installed with a LINZ6FC chrome plated mounting flange.

The lower zone A warning lights shall be mounted in the commercial chassis grille no higher than 62" from ground level.

##### **NFPA ZONE C, LOWER**

Two (2) Whelen LINZ6\*, super LED light heads shall be provided and installed one (1) each side directly below the DOT stop, tail, turn and backup lights.

Each light head shall be equipped with red LEDs and a clear lens.

The lights shall be installed with a LINZ6FC chrome plated mounting flange.

##### **NFPA ZONES B & D FRONT, LOWER**

Two (2) Whelen LINZ6\* super LED light heads shall be provided and installed one (1) each side.

Each light head shall be equipped with red LEDs and a clear lens.

The lights shall be installed with a LINZ6FC chrome plated mounting flange.

The lower zone B & D warning lights shall be mounted on the sides of the commercial chassis hood at or forward of the centerline of the front axle. The light shall be mounted no higher than 62" from ground level.

##### **NFPA ZONES B & D REAR, LOWER**

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Two (2) Whelen LINZ6\*, super LED light heads shall be provided and installed one (1) each side.

Each light head shall be equipped with red LEDs and a clear lens.

The lights shall be installed with a LINZ6FC chrome plated mounting flange.

#### **WARNING LIGHT SYSTEM CERTIFICATION**

The warning light system(s) specified above shall not exceed a combined total amperage draw of 45 AMPS with all lights activated in either the "Clearing Right of Way" or the "Blocking Right of Way" mode.

The warning light system(s) shall be certified by the light system manufacturer(s), to meet all of the requirements in the current revision of the NFPA 1901 Fire Apparatus Standard as noted in the General Requirements section of these specifications. The NFPA required "Certificate of Compliance" shall be provided with the completed apparatus.

Any large truck as defined by NFPA shall have the lower zone warning lights mounted no higher than 62" to the optical center of the warning light from ground level.

#### **BACK-UP ALARM**

A Code 3, model # CA278, 87dBA back-up alarm, shall be provided and installed at the rear of the apparatus under the tailboard. The back-up alarm shall activate automatically when the transmission is placed in reverse gear and the ignition is "on".

#### **AIR HORNS**

Two (2) chrome plated air horns shall be at the front of the vehicle. The air horns shall be mounted in full compliance with NFPA-1901. The supply lines shall be dual 1/4" lines with equal distance from each horn.

Each air horn shall be recessed in the front bumper, one (1) on the driver's side and one (1) on the officer's side.

The air horn(s) shall be controlled by a foot switch on the officer's side and the steering horn button on driver's side. An air horn/electric DOT horn selector switch shall be furnished on the dash for the drivers steering horn button.

#### **ELECTRONIC SIREN AND SPEAKER**

One (1) Whelen #CCSRN36, 100 watt electronic siren shall be provided featuring: flush mount remote control head recessed in cab console. 3 Section Control Head and 8-Push Buttons, 4-Position Slide Switch with a 7-Position Rotary Knob. Manual, Airhorn Plus 3 Traffic Advisor™ Switches

The electronic siren and speaker shall meet the NFPA required SAE certification to ensure compatibility between the siren and speaker.

One (1) Whelen, model # SA315P composite black siren speaker, shall be provided, recessed in the front bumper and wired to the electronic siren.

#### **PUMP**

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- HALE DSD-150
  - 1500 G.P.M.
  - SINGLE STAGE

The pump must deliver the percentage of rated capacity at the pressure listed below:

- 100% of rated capacity at 150 P.S.I. net pump pressure
- 100% of rated capacity at 165 P.S.I. net pump pressure
- 70% of rated capacity at 200 P.S.I. net pump pressure
- 50% of rated capacity at 250 P.S.I. net pump pressure.

### **PUMP ASSEMBLY**

The pump shall be of a size and design to mount on the chassis rails of commercial and custom truck chassis, and have the capacity of 1500 gallons per minute (U.S. GPM), NFPA-1901 rated performance.

### **PUMP CONSTRUCTION**

The entire pump shall be manufactured and tested at the pump manufacturer's factory.

The pump shall be driven by a drive line from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.

The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI (41.3 BAR). The pump shall be fully tested at the pump manufacturer's factory to the performance spots as outlined by the latest NFPA Standard 1901. Pump shall be free from objectionable pulsation and vibration. This DSD 150 model shall include the Custom Rams Horn suction manifold.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2069 BAR). All moving parts in contact with water shall be of high quality bronze or stainless steel. Pumps utilizing castings made of lower tensile strength cast iron are not acceptable.

Pump body shall be vertically split, on a single plane, for easy removal of impeller assembly, including clearance rings.

### **PUMP SHAFT**

Pump shaft to be rigidly supported by two bearings for minimum deflection. The bearings shall be heavy-duty, deep groove ball bearings in the gearbox and they shall be splash lubricated. The pump shaft shall be heat-treated, electric furnace, corrosion resistant, stainless steel. Pump shaft must be sealed with double lip oil seal to keep road dirt and water out of gearbox.

### **PUMP IMPELLER**

Pump impeller shall be hard, fine grain bronze of the mixed flow design; accurately machined, hand-ground and individually balanced. The vanes of the impeller intake eye shall be hand-ground and polished to a sharp edge, and be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

Impeller clearance rings shall be bronze, easily renewable without replacing impellers or pump volute body.

### **MECHANICAL SHAFT SEAL**

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The mid ship pump shall be equipped with a high quality, spring loaded, self-adjusting mechanical seal capable of providing a positive seal to atmosphere under all pumping conditions. This positive seal to atmosphere must be achievable under vacuum conditions up to 26 Hg (draft) or positive suction pressures up to 250 PSI.

The mechanical seal assembly shall be 2 inches in diameter and consists of a carbon sealing ring, stainless steel coil spring, Viton rubber boot, and a tungsten carbide seat with a Teflon backup seal provided.

Only one (1) mechanical seal shall be required, located on the suction side of the pump and be designed to be compatible with a one piece pump shaft. A continuous cooling flow of water from the pump shall be directed through the seal chamber when the pump is in operation.

### **GEARBOX**

The drive unit shall be completely assembled and tested at the pump manufacturer's factory.

The drive unit shall be of sufficient size to withstand up to 16,000 lbs. ft. of torque of the engine in both road and pump operating conditions. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat treated chrome nickel steel and at least 2-3/4 inches in diameter on both the input and output drive shafts. They shall withstand the full torque of the engine in both road and pump operating conditions.

All gears, both drive and pump, shall be of the highest quality electric furnace chrome nickel steel. Bores shall be ground to size and teeth integrated, crown-shaved and hardened, to give an extremely accurate gear for long life, smooth, quiet running and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

### **PUMP RATIO**

The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.

The manufacturer shall supply at time of delivery copies of the pump manufacturer's certification of hydrostatic testing, the engine manufacturer's current certified brake horsepower curve.

### **PUMP SHIFT CONTROL**

The drive unit shall be equipped with an air shift. The air shift shall be activated by a guarded toggle switch. A green indicator light shall be located near the switch and shall activate when pump has successfully been shifted.

A separate compressor unit and air reservoir shall be located in the pump house area. This compressor shall be used for pump shifting only.

### **EMERGENCY PUMP SHIFT**

An emergency manual pump shift control shall be furnished on the left side pump panel which may be utilized if the air shift control does not operate.

A transmission, manual lock-up switch shall be furnished in the cab to ensure positive lock-up of the transmission.

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### **MAIN PUMP - PUMP SHIFT INDICATOR LIGHTS**

For automatic transmissions, three (3) green warning lights shall be provided to indicate to the operator(s) when the pump has completed the shift for Road to Pump position. Two (2) green lights to be located in the truck driving compartment and one (1) green light on pump operator's panel adjacent to the throttle control. For manual transmissions, one (1) green warning light shall be provided for the driving compartment. All lights to have appropriate identification/instruction plates.

### **TRANSMISSION LOCK**

The automatic transmission furnished in the chassis shall have a lock-up assembly which brings the transmission to direct drive and prevents the transmission from shifting gears while in the pumping mode.

### **BRAKING SYSTEM**

A positive braking system shall be provided to prevent vehicle movement during pumping operations. The manual chassis parking brake furnished shall compensate for this requirement.

### **MAIN PUMP MOUNTS**

Extra heavy duty pump mounting brackets shall be furnished. These shall be bolted to the frame rails in such a position to perfectly align the pump so that the angular velocity of the drive line joints shall be the same on each end of the drive shaft. This shall assure full capacity performance with a minimum of vibration. Mounting hardware shall utilize Grade 8 bolts.

Pumps which are not mounted directly to the frame will not be considered. Under no circumstance shall the pump function as a frame cross member.

### **PUMP MANIFOLDS**

A custom made suction and discharge manifold shall be constructed from stainless steel and/or flexible tubing. The manifold shall be designed to provide maximum efficiency for the suction inlets and the discharges.

### **PUMP PRESSURE CONTROL SYSTEM**

The apparatus shall be equipped with a Fire Research PumpBoss model# PBA400 pressure governor and monitoring display kit. The kit shall include a control module, intake pressure sensor, discharge pressure sensor, and cables. The control module case shall be waterproof and have dimensions not to exceed 6 3/4" high by 4 5/8" wide by 1 1/2" deep. The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip, and a red idle push button in the center. It shall not extend more than 1 3/4" from the front of the control module. Inputs for monitored information shall be from a J1939 databus or independent sensors. Outputs for engine control shall be on the J1939 databus or engine specific wiring. Inputs to the control module from the pump discharge and intake pressure sensors shall be electrical.

The following continuous displays shall be provided:

- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Check engine and stop engine warning LEDs
- Oil pressure; shown on a dual color (green/red) LED bar graph display



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- Engine coolant temperature; shown on a dual color (green/red) LED bar graph display
  - Transmission Temperature; shown on a dual color (green/red) LED bar graph display
  - Battery voltage; shown on a dual color (green/red) LED bar graph display
  - Pressure and RPM operating mode LEDs
  - Pressure / RPM setting; shown on a dot matrix message display
  - Throttle ready LED.

The dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Battery Voltage
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Transmission Temperature
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Out of Water (visual alarm only)
- No Engine Response (visual alarm only)

The program features shall be accessed via push buttons located on the front of the control module. There shall be a USB port located at the rear of the control module to upload future firmware enhancements.

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor and monitoring pressure display shall be programmed to interface with a specific engine.

## **FORD - SPEED SENTINEL II**

A programmable road speed limiter for Ford vehicles shall be installed to facilitate a pump / engine speed control while pump is engaged.

## **AKRON INTAKE RELIEF VALVE**

A 300 psi adjustable Akron Model 591103 intake relief valve system shall be plumbed on the suction side of the pump to comply fully with NFPA-1901 requirements. Excess pressures shall be plumbed to discharge water under the pump enclosure away from the pump operator.

## **PUMP CERTIFICATION**

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The pump shall be third party performance tested to meet the requirements of NFPA-1901. To ensure top quality and integrity, the test company shall be Underwriters Laboratories (UL).

### **PRIMING SYSTEM**

The priming pump shall be a 12-volt Hale model ESP Oil-Less, positive displacement vane type primer, electrically driven. One priming control shall open the priming valve and start the priming motor. The primer shall be capable of priming without the use of primer oil. The primer shall be connected to the power source with a 300 amp fusible link.

The Hale primer shall be activated by a control located on the pump operator's panel. The control shall activate the primer motor, which shall create a vacuum. Valve actuation may be accomplished while the main pump is operational, if necessary to assure complete prime.

### **MASTER DRAIN VALVE**

A rotary type, 12 port master drain valve shall be provided and controlled at the lower portion of the side pump panel. The valve shall be located in pump compartment lower than the main body and connected in such a manner as to allow complete water drainage of the pump body and all required accessories. Water shall be drained below the apparatus body and away from the pump operator.

### **INDIVIDUAL BLEEDERS AND DRAINS**

All lines shall drain through the master drain valve or shall be equipped with individual drain valves, easily accessible and labeled.

One (1) individual "Innovative Control" lift up drain valve shall be furnished for each 1-1/2" or larger discharge port and each 2-1/2" gated auxiliary suction.

Drain/bleeder valves shall be located at the bottom of the side pump module panels.

All drains and bleeders shall discharge below the running boards.

### **SYNFLEX SUCTION, DISCHARGE, PRESSURE AND CONTROL LINES**

Small lines within the pump enclosure shall be constructed from Synflex hose. Uses include, but are not limited to such lines as priming control, gauge lines, drain lines, air control valves, pump shift, supplemental cooling, foam flush and air bleeder valves.

### **PUMP MODULE**

The pump module shall be a self-supported structure mounted independently from the body and chassis cab. The design must allow normal frame deflection without imposing stress on the pump module structure or side running boards. The pump module shall be securely mounted to the chassis frame rails.

The pump module shall be a welded frame work utilizing structural steel components properly braced to withstand the rigors of chassis frame flex.

### **DUNNAGE AREA**

A dunnage area shall be provided above the pump enclosure for equipment mounting and storage. This area shall be furnished with a removable 3/16" aluminum tread plate floor and shall be enclosed on the sides.

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NOTE: The size of this storage area may vary when top mounted crosslays, booster reel(s), etc., are specified and located in this area.

The width of the pump module shall be 34", which shall allow for 2" of clearance between the cab and 1" of clearance between the pump module and the body.

### **SUCTION INLETS**

Two (2) 6" N.S.T. suction inlets shall be provided, one on the driver side and one on the officer side pump panel. A removable strainer shall be installed on each inlet.

### **PUMP SUCTION ENDS**

The main pump suction inlets shall be furnished with a short suction end, terminating with only the suction threads protruding through the side panel to minimize the distance an exterior appliance protrudes beyond the pump panel.

A 6" NST chrome plated long handle pressure vented cap shall be installed on each main inlet of the pump.

### **AUXILIARY SIDE SUCTION(S)**

One (1) 2-1/2" auxiliary suction shall be provided at the driver side pump panel, to the rear of the main inlet. The 2-1/2" auxiliary suction shall terminate with a removable strainer, chrome plated 2-1/2" NST female swivel, and chrome plated 2-1/2" NST male to NYC female adapter with a chrome plated plug and retaining chain.

An Akron Brass 2 1/2" Generation II Swing-Out™ Valve shall be provided for the driver's side rear auxiliary suction. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

A 1/4 turn swing control handle shall be provide on the driver side rear auxiliary suction valve

All side gated inlet valves shall be recess mounted behind the side pump panels or body panels.

### **TANK TO PUMP**

One (1) 4" tank to pump line shall be piped through the front bulkhead of the tank with a 90 degree elbow down into the tank sump. This line shall be plumbed directly into the rear of the pump suction manifold for maximum efficiency.

A check valve shall be provided to prevent accidental pressurization of the water tank through the pump connection. Connection from the valve to the tank shall be made by using a non-collapsible flexible rubber hose.

An Akron Brass 3" Generation II Swing-Out™ Valve shall be provided between the pump suction manifold and the water tank. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

A push/pull control handle shall be located on the operator's panel with function plate.

### **TANK FILL**

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One (1) 2" gated full flow pump to tank refill line controlled at the pump panel shall be provided. A deflector shield inside the tank shall be furnished. Tank fill plumbing shall utilize 2" high pressure hose for tank connection to accommodate flexing between components.

An Akron Brass 2" Generation II Swing-Out™ Valve shall be provided between the pump discharge manifold and the water tank. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

A push/pull control handle shall be located on the operator's panel with function plate.

#### **DRIVER'S SIDE MAIN DISCHARGE #1**

A discharge shall be provided and located at the driver's side pump panel. The driver's side discharges # 1 shall terminate with NST threads, through the left panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

An Akron Brass 2 1/2" Generation II Swing-Out™ Valve shall be provided for the driver's side #1 discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The discharge valve shall be equipped with a straight 2 1/2" NST male adapter, a 30 degree 2 1/2" NST female x 2 1/2" NYC male elbow, and a 2 1/2" female NYC x 1 1/2" NST male reducer with chrome plated cap and retaining chain shall be provided.

The driver's side #1 discharge cap provided as standard equipment shall be deleted.

The driver's side # 1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The driver's side # 1 discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **OFFICER'S SIDE MAIN DISCHARGE #1**

A discharge shall be provided and located at the officer's side pump panel. The officer's side discharges #1 shall terminate with NST threads, through the officer's side panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

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An Akron Brass 2 1/2" Generation II Swing-Out™ Valve shall be provided for the officer's side #1 discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The discharge valve shall be equipped with a straight 2 1/2" NST adapter, a 30 degree 2 1/2" NST female x 2 1/2" NYC male elbow, and a 2 1/2" female NYC x 1 1/2" NST male reducer with chrome plated cap and retaining chain shall be provided.

The officer's side # 1 discharge cap provided as standard equipment shall be deleted.

The officer's side # 1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The officer's side # 1 discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **OFFICER'S SIDE MAIN DISCHARGE #2**

A discharge shall be provided and located at the officer's side pump panel. The officer's side discharges #2 shall terminate with NST threads, through the officer's side panel above the main pump intake.

The main pump discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges.

An Akron Brass 4" Heavy Duty Swing-Out™ Valve shall be provided for the officer's side #2 discharge. The valve shall have an all brass body with flow optimizing flat ball and dual polymer seats.

The discharge valve shall be equipped with a straight 4" NST adapter and a 4" NST female x 5" Storz elbow. 5" Storz cap to be supplied as loose equipment.

A 5" Storz x 2.5" NYC Male reducer shall be supplied.

A Chrome plated 2 1/2" NYC female x 1 1/2" NST male reducer with shall also be supplied.

The officer's side #2 discharge cap provided as standard equipment shall be deleted.

The officer's side #2 discharge Akron ball valve shall be equipped with an Akron Brass Style 9323 Valve Controller. The electric controls shall be of true position feedback design, requiring no clutches in the motor or current limiting. The unit shall be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation. The controller shall have up to three preset locations that can be user set and easily recalled upon each use. The unit shall be capable

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of being used in conjunction with at least two additional displays to control one valve. The unit shall provide position indication through a full color backlit LCD display.

The officer's side #2 discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **DRIVER SIDE REAR DISCHARGE**

A 2 1/2" NST rear discharge shall be provided at the rear of the vehicle, plumbed from the pump.

The driver side rear discharge shall be plumbed utilizing 2 1/2" schedule 10 stainless steel piping, 45 degree elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the rear of the vehicle.

The discharge shall be equipped with a straight 2 1/2" NST male adapter, a 30 degree 2 1/2" NST female x 2 1/2" NYC male elbow, and a 2 1/2" female NYC x 1 1/2" NST male reducer with chrome plated cap and retaining chain shall be provided.

The driver's side rear discharge cap provided as standard equipment shall be deleted.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and serviceability.

An Akron Brass 2 1/2" Generation II Swing-Out™ Valve shall be provided for the driver's side rear discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The driver side rear discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The driver side rear discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **DECK GUN DISCHARGE**

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A deck gun discharge shall be plumbed from the pump to an area on top of the vehicle. The deck gun piping shall be firmly supported and braced.

The deck gun discharge shall be located in the dunnage area above the pump module on the officer's side of the vehicle. A pedestal type, 1/4" steel plate support assembly shall be provided to stabilize deck gun plumbing below deck gun mount flange.

The deck gun discharge pipe shall terminate with 3" NPT threads.

The deck gun piping shall be designed so the overall height of the deck gun in the mounted/stowed position does not exceed the tallest point on the cab/body.

The deck gun discharge shall be plumbed utilizing 3" schedule 10 stainless steel piping, 45 degree elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to the deck gun location.

A minimum of one (1) grooved pipe coupling shall be furnished in this assembly to allow for flex and serviceability.

An Akron Brass 3" Generation II Swing-Out™ Valve shall be provided for the deck gun discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The deck gun discharge shall be gated with an Akron Hand wheel controlled, inline valve. The valve shall be controlled at the pump operator's panel with a chrome plated hand wheel and mechanical valve position indicator.

The deck gun discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **TFT MANUAL DECK GUN**

A TFT model #XFC-52 deck gun package which shall include the Safe-Tak ground base with dual 2-1/2" inlets, the Cross Fire monitor top, one (1) set of quad stack tips, one (1) Master Stream 1000 GPM. automatic nozzle, stream straightener and a ground base compartment mounting bracket.

#### **HORIZONTAL CROSSLAY #1**

A crosslay hose bed shall be provided and plumbed from the pump in a transverse design, located above the body for quick attack deployment. The crosslay hose bed flooring shall be designed to be removable, constructed from brushed finish, perforated aluminum material.

Crosslay #1 shall be designed to have a minimum total capacity of 3.5 cubic feet as required by NFPA -1901 to accommodate a minimum of 200 feet of 1-3/4" fire hose.

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Crosslay #1 hosebed shall be designed to accommodate the fire hose in a double stack configuration.

The crosslay discharge shall terminate below the hosebed floor with a 1 1/2" NST male chicksan swivel adapter and a 1 1/2 NST female x 1 1/2" NST male adapter. The crosslay hose bed floor shall be slotted to allow the swivel to extend up through the floor, allowing the pre-connected hose to be pulled off either side of the apparatus without kinking the hose at the coupling connection.

The crosslay #1 discharge shall be plumbed utilizing 2" schedule 10 stainless steel piping and/or flexible hose, 45 degree elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to crosslay hose bed.

A minimum of one(1) grooved pipe coupling shall be furnished in this assembly, if necessary, to allow for flex and serviceability.

An Akron Brass 2" Generation II Swing-Out™ Valve shall be provided for the crosslay #1 discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The crosslay #1 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The crosslay #1 discharge shall be equipped with a 2 1/2" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

## **HORIZONTAL CROSSLAY #2**

A crosslay hose bed shall be provided and plumbed from the pump in a transverse design, located above the body for quick attack deployment. The crosslay hose bed flooring shall be designed to be removable, constructed from brushed finish, perforated aluminum material.

Crosslay #2 shall be designed to have a minimum total capacity of 3.5 cubic feet as required by NFPA -1901 to accommodate a minimum of 200 feet of 1-3/4" fire hose.

Crosslay #2 hosebed shall be designed to accommodate the fire hose in a double stack configuration.

The crosslay discharge shall terminate below the hosebed floor with a 1 1/2" NST male chicksan swivel adapter and a 1 1/2 NST female x 1 1/2" NST male adapter. The crosslay hose bed floor shall be slotted to allow the swivel to extend up through the floor, allowing the pre-connected hose to be pulled off either side of the apparatus without kinking the hose at the coupling connection.

The crosslay #2 discharge shall be plumbed utilizing 2" schedule 10 stainless steel piping and/or flexible hose, 45 degree elbows and a limited number of 90 degree sweep elbows in an assembly from the pump to crosslay hose bed.



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A minimum of one(1) grooved pipe coupling shall be furnished in this assembly, if necessary, to allow for flex and serviceability.

An Akron Brass 2" Generation II Swing-Out™ Valve shall be provided for the crosslay #2 discharge. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats.

The crosslay #2 discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The crosslay #2 discharge shall be equipped with a 2 ½" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

#### **PUMP ENCLOSURE HOSEBED HOSE RETENTION**

A vinyl cross lay cover shall be provided. It shall be securely fastened at the front with snaps and Velcro at the rear, with straps to secure each end flap.

The crosslay cover shall be red in color.

#### **BOOSTER REEL #1 DISCHARGE**

A 1 1/2" booster reel discharge shall be plumbed from the pump to the booster reel.

The booster reel discharge shall be plumbed from the valve to the hose reel utilizing 1" high pressure hose. The end of the hose connected to the hose reel shall be equipped with a swivel end for ease in hose replacement.

A 1 1/2" Akron, #8800 series, full flow, stainless steel ball valve shall be provided for the booster reel #1 discharge.

The booster reel discharge valve shall be controlled by a push/pull handle located on the operator's panel.

The booster reel discharge shall be equipped with a 2 ½" diameter Innovative Controls pressure gauge. The gauge shall have a rugged corrosion free stainless steel case and clear scratch resistant molded crystals with captive O-ring seals to ensure distortion free viewing and seal the gauge. The gauge shall be filled with glycerin to dampen shock and vibration, lubricate the internal mechanisms, prevent lens condensation and ensure proper operation from -40°F to +160°F.

The gauge shall exceed ANSI B40.1 Grade A requirements with an accuracy of +/- 1.5% full scale and include a size appropriate phosphorous bronze bourdon tube with a reinforced lap joint and large tube base to increase the tube life and gauge accuracy.

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A polished chrome-plated stainless steel bezel shall be provided to prevent corrosion and protect the lens and gauge case. The gauge shall have black graphics on a white background.

### **BOOSTER REEL #1**

One (1) painted steel electric rewind booster reel shall be furnished. The reel shall be equipped with a one(1) inch 90° full flow swivel joint and an adjustable brake for freewheeling, drag or full lock operation. Color shall be graphite.

A manual crank handle shall be supplied to rewind the booster hose in the event of a failure in the electric rewind system.

The booster reel #1 shall be mounted in the lower rear step compartment.

Booster reel rewind shall be controlled by a push button on the rear body panel near the rear step compartment. The booster reel circuit shall be equipped with a shielded toggle switch to act as a booster reel disconnect to avoid accidental actuation of the booster reel rewind button.

Each booster reel shall be equipped with 150' of 3/4" booster hose in (1) 100' section and (1) 50' section. Each length shall be fitted NST couplings.

One (1) horizontal hose roller of polished stainless steel and guide spools shall be placed on the rear of the hose reel.

### **BOOSTER HOSE NOZZLE**

One (1) TFT# B-BGH 1" pistol grip booster nozzle with a 1" NST female swivel shall be furnished for each booster reel.

### **FOAM SYSTEM (SINGLE DISCHARGE)**

An Elkhart #240-125P foam system shall be provided which incorporates an operator's panel controlled in-line foam eductor to flow foam at a maximum rate of 125 gallons per minute. This system shall include an operator's panel mounted metering valve and individual controls for the foam eductor and foam flush.

The system shall be plumbed to the following discharge:

The in-line foam system shall be installed in the crosslay #1 discharge plumbing.

### **ELKHART, OFF TRUCK FOAM ACCESS PICK-UP KIT #1**

One (1) Elkhart Model 81231001 for a built in by-pass foam eductor(s) shall be provided on the lower driver's side pump panel area. This kit shall utilize an off-board foam concentrate supply, when the on-board supply has been depleted, or to allow use of another type of foam concentrate.

A detachable pickup-wand shall be provided with clear tubing. Inline of the connection and prior to the injection pump or foam eductor, there shall be a quarter turn valve with control adjacent to the pickup attachment on the panel.

### **FOAM CONCENTRATE**

The foam system shall be capable of injecting the following foam concentrates:

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- Class A - OTHER - (MUST SPECIFY FOAM NAME AND MANUFACTURER).
  - Class B - OTHER - (MUST SPECIFY FOAM NAME AND MANUFACTURER).

#### **PUMP PANEL - SIDE MOUNT**

The pump operator's control panel shall be located on the driver side of the apparatus. The pump enclosure side panels shall be completely removable and designed for easy access and servicing.

#### **PUMP PANEL MATERIAL**

The left side operator's panel, gauge panel, right side pump panel and right side access door shall be fabricated from 14-gauge 304L stainless steel with a #4, (150/180 grit), standard brushed finish.

#### **HINGED GAUGE PANEL**

A full width, vertically hinged gauge access panel shall be provided at the operator's position. Chrome plated positive locks shall be provided along with chain holders to prevent the front of the gauge panel from coming in contact with other panels when open.

#### **VERTICALLY HINGED, SPLIT PUMP PANEL OFFICER SIDE**

The officer's side pump panel shall be split, vertically hinged, to provide complete access to the pump and plumbing on the officer side of the pump enclosure. The panels shall be equipped with stainless steel hinges and secured with push type locks to hold the panels closed. The drains located on the officer's side panel shall be fastened to the lower panel, which shall be stationary.

#### **PANEL FASTENERS**

Stainless steel machine screws and lock washers shall be used to hold these panels in position. The panels shall be easily removable to provide complete access to the pump for major service.

#### **CAPS AND ADAPTERS SAFETY TETHER**

All applicable discharge and suction caps, plugs and adapters shall be equipped with chrome plated ball chain and secured to the vehicle.

#### **PUMP PANEL TRIM PLATES**

A high polished trim plate shall be provided around each discharge port and suction inlet opening to allow accessibility to the respective valve for service and repairs.

#### **DISCHARGE GAUGE TRIM BEZELS**

Each individual discharge gauge shall be installed into a decorative chrome-plated mounting bezel that incorporates valve-identifying verbiage and color labels.

#### **COLOR CODED IDENTIFICATION TAGS**

Color coded identification tags shall be provided for all gauges, controls, connections, switches, inlets and outlets.

#### **PUMP OPERATOR'S PANEL LIGHT SHIELD**

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The pump operator's panel shall be equipped with a light shield that shall be the full available width of the control panel, and shall be positioned to cover the lights and prevent glare. (Note: On apparatus with lowered style crosslays, the light shield shall be from the back of the crosslays to the rear of the pump house).

The light shield shall be equipped with the following lights:

- Four (4) Tecniq #E18 LED lights.

One (1) light under the operator's panel light shield shall be actuated when fire pump is engaged in addition to the pump engaged light.

#### **OFFICER SIDE PANEL LIGHTING**

The officer's side pump panel and running board shall be illuminated by the following lights:

- Four (4) TecNiq Eon, 3-LED illumination lights mounted in horizontal stainless steel bezels and mounting gaskets.

The lights shall be switched with the main pump panel lights.

#### **PUMP OPERATOR'S PANEL**

Particular attention is to be given to functional arrangement of all controls. The pump operator's panel shall accommodate the following:

- Hinged gauge panel
  - Water tank fill valve
  - Auxiliary suction valve control
  - All discharge valve controls
  - Auxiliary engine cooler controls
  - Water tank suction control valve
  - Pump primer valve
  - Engine throttle control
  - Master compound vacuum gauge
  - Master pressure gauge
  - Individual discharge gauges
  - Pump shift engaged indicator light
  - Water tank water level indicator
  - Engine tachometer
  - Engine oil pressure gauge with audible alarm
  - Engine water temperature gauge with audible alarm
  - Low voltage light and audible alarm
  - Pump panel light switch
  - Pump serial No. plate
  - Master pump drain valve
  - Individual drains
  - Voltmeter
- Fire Research "Pump Boss" pressure governor control.

#### **PUMP TEST PORTS**

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The pump panel shall be equipped with Vacuum & Pressure test plugs to allow for test equipment to monitor pump pressure and vacuum levels. Chrome plugs and labels shall be provided for the test ports.

### **MASTER GAUGES**

One (1) 4" diameter pressure gauge (labeled: "PRESSURE") and one (1) 4" diameter compound vacuum gauge (labeled: "INTAKE") shall be provided. The master gauges shall be Innovative Controls glycerin filled. The gauge faces shall be white with black numerals.

### **PRESSURE & COMPOUND GAUGE RANGES**

All applicable pressure gauges shall have a range of 0 - 400 P.S.I., and the compound gauge shall have a range of -30" - 0 - 400 P.S.I.

### **ENGINE COOLER**

An auxiliary cooler or heat exchanger shall be installed in the engine compartment between the engine and the chassis radiator. The cooler shall permit the use of water from the pump for cooling the engine. The cooling shall be done without mixing engine and pump water.

### **TANK LEVEL GAUGE**

A Fire Research, model #WLA300-A00, "TANKVISION" gauge that shows the actual volume of water in the tank shall be provided on the pump operator's panel. The "TANKVISION" gauge is designed for both ease of operation and installation. The "TANKVISION" gauge utilizes ultra bright multi color LEDs for sunlight readability and also uses 2 specially designed wide-viewing lens for 180° of clear viewing. The "TANKVISION" gauge utilizes a pressure sender to measure the liquid volume. The gauge shall be equipped with a self-calibration feature that allows the LEDs TANKVISION gauge to be used on tanks of different shapes and sizes.

- Flashes warning when the volume is less than 25%. Rapid down scrolling LEDs alert the operator when the tank is almost empty. Remote audio warning available.
- One size fits all'. The self-calibration feature allows for easy calibration of any shape or size tank.
- Multiple displays are possible with a single sender through the FRC data bus.
- Rugged waterproof cast aluminum housing.
- No fitting needed for poly tank.
- Special fittings available for other tank materials.
- Connector disconnects at back of display.

The gauge shall use a pressure transducer installed near the bottom of the water tank to determine the correct volume in the tank.

### **WATER TANK**

The water tank shall have a capacity of 280 gallons, constructed from Poly material.

The Poly water tank shall be constructed of PT3 polypropylene material. This material shall be a non-corrosive stress relieved thermoplastic and UV stabilized for maximum protection. Tank shell thickness may vary depending on the application and may range from 1/2 to 1" as required. Internal baffles are generally 3/8" in thickness.

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## **TANK CONSTRUCTION**

The tank shall be of a specific configuration and is so designed to be completely independent of the body and compartments. Joints and seams shall be fused using nitrogen gas as required and tested for maximum strength and integrity. The tank construction shall include PolyProSeal technology wherein a sealant shall be installed between the plastic components prior to being fusion welded. This sealing method will provide a liquid barrier offering leak protection in the event of a weld compromise. The top of the booster tank is fitted with removable lifting assembly designed to facilitate tank removal. The transverse and longitudinal swash partitions shall be manufactured of a minimum of 3/8" PT3 polypropylene. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All swash partitions interlock with one another and are completely fused to each other as well as to the walls of the tank. All partitions and spacing shall comply with NFPA 1901. The walls shall be welded to the floor of the tank providing maximum strength as part of the tank's unique Full Floor Design. Tolerances in design allow for a maximum variation of 1/8" on all dimensions.

## **CAPACITY CERTIFICATION**

All tanks shall be tested and certified as to capacity on a calibrated and certified tilting scale. Each tank shall be weighed empty and full to provide precise fluid capacity. Each Poly-Tank's III is delivered with a Certificate of Capacity delineating the weight empty and full and the resultant capacity based on weight.

## **TANKNOLOGY TAG**

A tag shall be installed on the apparatus in a convenient location and contain pertinent information including a QR code readable by commercially available smart phones. The information contained on the tag shall include the capacity of the water and foam (s), the maximum fill and pressure rates, the serial number of the tank, the date of manufacture, the tank manufacturer, and contact information. The QR code will allow the user to connect with the tank manufacturer for additional information and assistance.

## **ISO CERTIFICATION**

The tank must be designed and fabricated by a tank manufacturer that is ISO 9001:2000 certified in each of its locations. The ISO certification must be to the current standard in effect at the time of the design and fabrication of the tank.

## **TANK LID**

The tank cover shall be constructed of 1/2" thick PT3 polypropylene and UV stabilized, to incorporate a multi-piece locking design, which allows for individual removal and inspection if necessary. The tank cover(s) shall be flush or recessed 3/8" from the top of the tank and shall be fused to the tank walls and longitudinal partitions for maximum integrity. Each one of the covers shall have hold downs consisting of 2" minimum polypropylene dowels spaced a maximum of 40" apart. These dowels shall extend through the covers and will assist in keeping the covers rigid under fast filling conditions. A minimum of two lifting dowers shall accommodate the necessary lifting hardware.

## **WATER TANK FILL TOWER**

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of 1/2" PT3 polypropylene and shall be a minimum dimension of 8" x 8" outer perimeter. The fill tower shall be blue in color indicating that it is a water-only fill tower. The tower shall be located in the left front corner of the tank unless otherwise specified by the tank manufacturer to the purchaser. The tower shall have a 1/4" thick removable polypropylene screen and a PT3 polypropylene hinged cover. The capacity of the tank shall be engraved on the top of the fill tower lid. Inside the fill tower there shall be a combination

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vent/overflow pipe. The vent overflow shall be a minimum of schedule 40 polypropylene pipe with a minimum I.D. of that is designed to run through the tank, and shall be piped to discharge water behind the rear wheels as required in NFPA 1901 so as to not interfere with rear tire traction.

#### **OVERFLOW AND VENT PIPE**

The fill tower shall be fitted with an integral 4" I.D. schedule 40 P.V.C. combination overflow/vent pipe running from the fill tower through the tank to a 4" coupling flush mounted into the bottom of the tank to allow water to overflow behind the chassis rear axle.

#### **WATER TANK SUMP AND CONNECTIONS**

There shall be one (1) sump standard per tank. The sump is a minimum of 10" wide, 10" long and 3" deep with a 3/4" bottom and is located in the left front quarter of the tank, unless specified otherwise in special provisions. On all tanks with a bulkhead suction inlet there shall be a 4" schedule 80 PVC pipe sweep from the front of the tank to sump location. The sump shall have a minimum of 3" threaded plug located at the bottom for a tank drain. An anti-swirl plate shall be mounted inside the sump approximately 1" off the floor of the sump.

#### **WATER TANK OUTLETS**

There shall be two (2) standard tank outlets; one for tank-to-pump suction line which shall be a minimum of 4" coupling and one for a tank fill line which shall be a minimum of a 2" N.P.T. coupling. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank.

#### **WATER TANK MOUNTING**

The tank shall rest on the body cross members spaced a maximum of 22" apart, and shall be insulated from these cross members with a minimum of 3/8" nylon webbing or 1/2" rubber, 2-1/2" wide. The tank shall sit cradle-mounted using four (4) corner angles of 6 x 6 x 4 x 0.250 welded directly to the body cross members. The angles shall keep the tank from shifting left to right or front to rear. The tank is designed on the free-floating suspension principle and shall not require the use of hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure. The hose bed cross braces shall act as water tank retainers.

#### **APPARATUS BODY DESIGN CONSTRUCTION**

The body side and compartment assemblies shall be designed and assembled to provide maximum strength and durability under all operating conditions.

Special attention shall be taken to minimize corrosion on all fabricated parts and structural members of the body. All bolt-on components shall be provided with a dissimilar metals isolation barrier to prevent electric corrosion. The body design shall also incorporate removable panels to access spring hangers, rear body mounts and fuel tank sending units.

The body assembly shall be an all-welded configuration. The body shall be completely isolated from the cab and pump module structure.

#### **BODY AND COMPARTMENT FABRICATION - 3/16" ALUMINUM**

All compartment panels and body side sheets shall be a combination of 3/16" and 1/8" aluminum (5052-H32). Each side compartment assembly shall be both plug welded and stitch welded to ensure proper weld penetration on all panels while avoiding the possible warping caused by a full seam weld. The side compartments shall be welded on a fixture to ensure true body dimensions of all door openings. The side compartments and body side panels are then set into a body squaring fixture where the super

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structure is installed and the entire body is aligned to be completely symmetrical. The super structure is then welded to the compartment side panels and reinforcement plates are inserted which allows the compartment panels to become an integral component of the body support structure. A full seam weld shall not be used due to the applied heat which could distort sheet metal and remove the protective coating from the perimeter of the welded area. All seams shall be caulked prior to finish paint to ensure proper compartment seal.

### **SUPER STRUCTURE - ALUMINUM**

The body super structure shall be an all welded configuration utilizing a combination of 3" x 1-1/2" 6061-T6 thick walled structural tubing and 6061 structural channel.

This structure shall be designed to totally support the full length and width of the body and shall be welded to the body side compartments by use of reinforcement plates to incorporate the compartments into an integral part of the body weldment.

The super structure shall be bolted to the sides of the chassis frame at four (4) points.

### **STEPPING, STANDING, & WALKING SURFACES**

All stepping, standing, and walking surfaces on the body shall meet NFPA #1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces shall be ALCOA No Slip type. Upon request by the Purchaser, the manufacturer shall supply proof of compliance with this requirement.

### **DRIVER'S SIDE COMPARTMENTS**

One (1) compartment shall be provided forward of the rear wheels approximately 67" high x 24" wide x 24" deep. The usable width and depth will be approximately 22" wide x 23" deep. The door cutout will be 54.5" tall x 21" wide. The clear door opening will be approximately 48.5" high x 19" wide.

One (1) compartment shall be provided over the rear wheels approximately 40" high x 46" wide x 24" deep. The usable width and depth will be approximately 44" wide x 23" deep. The door cutout will be 28" tall x 40" wide. The clear door opening will be approximately 22" high x 38" wide.

One (1) compartment shall be provided aft of the rear wheels approximately 67" high x 39" wide x 24" deep. The usable width and depth will be approximately 36" wide x 23" deep. (There will be a false panel on the back end of the compartment to protect the electrical components on the rear of the truck.) The door cutout will be 54.5" tall x 36" wide. The clear door opening will be approximately 48.5" high x 34" wide.

### **OFFICER'S SIDE COMPARTMENTS**

One (1) compartment shall be provided forward of the rear wheels approximately 67" high x 24" wide x 24" deep. The usable width and depth will be approximately 22" wide x 23" deep. The door cutout will be 54.5" tall x 21" wide. The clear door opening will be approximately 48.5" high x 19" wide.

One (1) compartment shall be provided over the rear wheels approximately 40" high x 46" wide x 24" deep. The usable width and depth will be approximately 44" wide x 23" deep. The door cutout will be 28" tall x 40" wide. The clear door opening will be approximately 22" high x 38" wide.

One (1) compartment shall be provided aft of the rear wheels approximately 67" high x 39" wide x 24" deep. The usable width and depth will be approximately 36" wide x 23" deep. (There will be a false panel on the back end of the compartment to protect the electrical components on the rear of the truck.) The door cutout will be 54.5" tall x 36" wide. The clear door opening will be approximately 48.5" high x 34" wide.



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### **ROLL-UP DOORS**

Roll-up doors shall be provided on all compartments. The roll-up doors shall be constructed from aluminum extruded slats which shall have a flexible seal between each slat for proper sealing of the door.

A synthetic rubber seal shall be provided at each side, top and bottom edge of the door to prevent entry of dirt into the compartment.

The door shall be equipped with a lift bar style latch mechanism which shall latch at the bottom of the door mounting extrusion.

The roll-up door assembly shall be furnished with a spring-loaded, counter balance assembly to assist in door actuation.

All running board and high side compartments shall be equipped with roll-up doors.

### **ROBINSON ROLL-UP DOORS**

The roll-up doors shall be Robinson (ROM) brand roll-up doors. The doors shall be painted to match the required color of the Nassau County Fire Marshal.

A total of seven (7) painted doors shall be provided.

### **ROBINSON - PAINTED TOP GUTTER AND SIDE FRAMES**

The top gutter and side frames shall be painted to match the required color of the Nassau County Fire Marshal.

### **SWEEP-OUT COMPARTMENT FLOORS**

Compartment floors shall be welded to the compartment walls and have a sweep out design for easy cleaning.

Compartments with hinged doors shall have the door opening flanges bend down to produce the sweep-out design.

Compartments with roll-up style doors shall have the external floor flange stepped down, 1/2" high x 2" deep, to produce a sealing surface for the roll-up doors below the compartment floor. The sweep out design shall also permit easy cleaning.

### **COMPARTMENT TOPS**

Compartment tops shall be covered with polished aluminum tread plate on both sides.

### **COMPARTMENT DRIP MOLDING**

Compartment tops over all side compartments shall have a 45 degree flange formed out to provide protection against water runoff. A secondary extruded drip molding shall be provided between low compartments and auxiliary high side compartments, when auxiliary compartments are provided.

### **COATED FASTENERS**

All exterior fasteners shall be coated stainless steel screws. Screw threads shall be coated with reusable, self-locking, sealing material to provide vibration resistance. Screw heads shall be coated with a

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sealing element to prevent galvanic corrosion between dissimilar metals. Non-coated screws shall only be provided as part of vendor supplied component installations.

### **COMPARTMENT LOUVERS**

Ventilation between compartments to atmosphere shall be provided and located to avoid water entry into compartments.

### **ACCESS PANELS**

Removable access panels shall be provided in all lower compartments (if applicable) to access spring pins, fuel tank sender, electrical junction compartment and rear body mounts.

Protective panels shall be located in the rear compartments providing access to the lights and associated wiring. The covers shall also serve as protective covers to prevent inadvertent damage to lights or wiring from tools or equipment located in the compartment.

### **BODY PROTECTION PANELS**

The front face of the side compartments, next to the driver and officer side pump panels shall be overlaid with aluminum tread plate full height protection. The protection panel shall cover the entire front face of the compartment and shall wrap around the corner to the door opening.

### **BODY RUB RAILS**

Sacrificial aluminum tread plate rub rails shall be mounted at the base of the body, extend outward a minimum 3/4", downward 2" and flange inward 1". The rub rails shall extend the full length of the main body and extend to the rear step or wrap around the rear body corners. Rub rails shall be designed to bolt to the body from the bottom side of the compartment area, so as not to damage the body side panels on initial impact and to provide for ease of replacement.

### **RUNNING BOARD STEPS**

The driver and officer running board steps shall be fabricated of 3/16" polished aluminum tread plate. The outside edge on each step shall be fabricated with a double break, return flange. The steps shall be rigidly reinforced with a heavy duty support structure. The running boards shall not form any part of the compartment design, and shall be bolted into place with a minimum 1/2" clearance gap between any panel to facilitate water runoff.

### **REAR STEP**

The rear step shall be fabricated from 3/16" polished aluminum tread plate, and shall be rigidly reinforced. The rear step shall extend 8" past the rear edge of the body, and shall be 96" wide.

The rear edge of the step shall be designed to accommodate the rear clearance lights, recessed for protection in the step reinforcement channel. The step shall be bolted to the body sub-frame for ease of replacement.

### **REAR STEP COMPARTMENT**

One (1) rear step compartment 34" high x 36" wide x 24" deep shall be provided with a single door opening of 27" high x 36" wide.

The rear step compartment door shall be a roll-up door. The roll-up door shall be equipped with a brushed aluminum finish.

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### **GRAB RAILS**

All hand rails shall be 1-1/4" outer diameter, knurled bright anodized aluminum extrusion, designed to meet NFPA 1901 requirements.

Molded gaskets shall be installed between the handrail stanchion castings and body surfaces to prevent electrolytic reaction between dissimilar metals and to protect paint.

### **GRAB RAIL LOCATIONS:**

Grab rails shall be provided at the following specified locations. Additional grab rails shall be provided adjacent to any additional steps specified to comply with NFPA 1901.

Two (2) vertical rails shall be mounted on the rear edge of the body, one (1) each side.

One (1) horizontal, full width handrail shall be installed on the rear, below the level of the hose bed.

### **FOLDING STEP(S)- BODY REAR DRIVER SIDE**

Innovative Controls large lighted folding step(s), with a textured chrome plate finish, shall be provided on driver side body rear to provide NFPA compliant access (maximum 18" height between steps) to an upper horizontal walking surface (compartment cap, dunnage area, fabricated step, or upper body compartments).

### **FOLDING STEP(S)- BODY REAR OFFICER SIDE**

Innovative Controls large lighted folding step(s), with a textured chrome plate finish, shall be provided on officer side body rear to provide NFPA compliant access (maximum 18" height between steps) to an upper horizontal walking surface (compartment cap, dunnage area, fabricated step, or upper body compartments).

### **SAFETY SIGN(S) AT REAR STEP AND CROSS WALKWAY(S)**

Safety sign(s) shall be located on the vehicle at the rear step, and at any cross walkway(s), to warn personnel that riding in or on these areas while the vehicle is in motion is prohibited.

### **REAR WHEEL WELL LINERS**

Fully removable, bolt-in, 1/8" aluminum fender liners shall be provided. The wheel well liners shall extend from the outer wheel well body panel, into the truck frame. Removable vertical splash shields, inward of the wheels, shall be provided to give access to the hydraulic components. The completely washable fender liners shall be designed to protect the front and rear compartments and main body supports from road salts, dirt accumulation and corrosion.

### **REAR FENDERETTES**

The rear fenders shall be equipped with easily replaceable, polished extruded aluminum fenderettes. The fenderettes shall be equipped with a rubber gasket molding between the body panel and the fenderette.

### **AIR BOTTLE STORAGE COMPARTMENTS**

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A total of six (6) SCBA air bottle storage cells shall be provided in three (3) compartments. Each storage cell shall hold an 8" diameter air bottle up to 24" long. Each compartment shall hold two (2) storage cells. The compartments shall be located with one (1) on the driver side forward of the axle and two (2) on the officer side of the rear body fender panels. The lower portion of the compartments shall be non-abrasive to absorb shock and help secure the bottles.

Each compartment shall be equipped with a polished stainless steel door.

### **REAR TOW EYES**

Two (2) painted tow eyes shall be furnished on the rear of the vehicle, extending through the rear body panel. The tow eyes shall be made from plate steel and shall be bolted directly to the chassis frame rails with grade 8 bolts. The tow eyes shall be smooth and free from sharp edges, and have a minimum eyelet hole of 2-1/2". The tow eyes shall be painted.

### **HOSE BED**

The hose bed shall be located directly above the booster tank and shall be free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose.

The hose bed storage area, shall have a minimum capacity of ten (10) cubic feet, and shall accommodate 2-1/2" or larger fire hose as required by the Purchaser. The hose bed depth shall be 14".

The sides of the hosebed will be formed from the upper compartment side walls. This will provide an exceptionally strong structure for the hose.

The apparatus weight analysis shall be calculated for the NFPA minimum 300' of 2-1/2" supply hose. If the purchaser intends to carry more supply hose than the minimum they must notify the builder of the exact hose load for weight considerations.

### **HOSE BED FLOORING**

Flooring to be constructed from extruded aluminum and be properly spaced for ventilation. The flooring shall be smooth and free from sharp edges to avoid hose damage. The hose bed floor shall be removable to provide access to inner body framework.

### **HOSE BED PARTITION**

One (1) fully adjustable 1/4", brushed finish, aluminum hose bed partition shall be provided. Partition shall be easily adjustable by means of Unistrut channels located at the front and rear of the hose bed. Partition shall be removable for access to the booster tank.

### **HOSE PARTITION CUTOUTS**

The hose bed partitions shall have a vertical handhold cutout at upper rear edge of the partition.

### **CUSTOMER REQUIRED HOSE STORAGE CAPACITY**

The apparatus hose bed shall be capable of storing the following customer specified hose loads. In addition, the vehicle weight analysis shall be based off of this hose load provided the specified hose load exceeds NFPA minimum standards.

500 Feet 5" supply hose

700 Feet 2 1/2" Double Jacketed supply hose

### **VINYL HOSE BED COVER - 1/4 TURN FASTENERS**

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A hose bed cover shall be provided and installed. The cover shall be made from 22 ounce; heavy-duty vinyl coated polyester fabric (TXN 226). The cover shall be sewn with ultraviolet resistant thread and shall have 2" wide nylon webbing sewn around the perimeter to provide additional strength.

The cover shall be secured to the top front body flange with quarter-turn fasteners. The cover shall be secured to the side body flanges with quarter-turn fasteners. A weighted flap shall be furnished on the rear of the cover with two (2) bungee cords.

The Hypalon material shall be red in color.

#### **ADJUSTABLE SHELVING**

Compartment shelving shall be constructed of 3/16" brush finish aluminum with a 2" upward bend at front and rear, and side supports. Shelving shall be vertically adjustable with spring nuts in aluminum strut channel.

Adjustable shelves shall be located as follows:

Two (2) in the officer side front compartment

Two (2) in the driver side rear compartment

Two (2) in the officer side rear compartment

#### **SLIDE OUT FLOOR MOUNT SHELVING**

Slide out floor mount compartment shelving shall be constructed of 3/16" brush finish aluminum with a 2" upward bend at front and rear, and side supports attached to #250 rated slides. Slide out floor mount shelving shall have gas shocks to hold the tray in and out.

Slide out floor mount shelving shall be provided as follows:

One (1) in the driver side rear compartment

One (1) in the officer side rear compartment

#### **ADJUSTABLE ROLL-OUT TRAYS**

Roll out adjustable compartment shelving shall be constructed of 3/16" brush finish aluminum with a 2" upward bend at front and rear, and side supports attached to 250# rated slides. Slide out adjustable shelving shall be vertically adjustable with spring nuts in aluminum strut channel. Slide out adjustable shelving shall have gas springs to hold in and out.

The adjustable roll-out trays shall be located as follows:

Two (2) in the driver side front compartment

#### **SWING OUT TOOL BOARDS**

The tool boards shall be constructed of PAC TRAC Dual Faced 7040 series aluminum extrusion allowing mounting of equipment on the interior and exterior of the tool boards. The tool boards shall be installed with a Performance Advantage Company PM-1000 Swing-Out Module Kit. Aluminum angles shall

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attach the hinge to Unistrut tracking to allow depth adjustments. A heavy duty thumb latch shall be provided to secure the tool boards in the closed position.

Swing out tool boards shall be located as follows:

One (1) in the officer side front high side compartment

#### **ALUMINUM STRUT CHANNEL FOR FUTURE SHELVING**

Four (4) Aluminum Strut Channels shall be installed for future shelving installation in the following compartments:

Driver front high side compartment

#### **DRI-DEK**

Dri-Dek brand floor material shall be installed on all compartment floors. The Dri-Dek shall be custom installed to provide full floor coverage.

Floor matting material shall be provided on ten (10) specified shelf(s) or roll-out tray(s).

The compartment flooring color shall be black.

#### **LADDER STORAGE**

The ground ladders shall be stored vertically next to the water tank, behind the side body compartments, on the officer side of the apparatus.

To secure the ground ladders, a hinged rear access door shall be provided and tied into the "Do Not Move Apparatus" warning system.

#### **GROUND LADDERS**

The following Alco-Lite ground ladder complement shall be provided:

- One (1) Alco-Lite model PEL3-19; 19', aluminum, three (3) section extension ladder shall be provided.

#### **PIKE POLE STORAGE**

Three (3) pike pole tube(s) shall be provided. Each holder shall be accessible from the rear of the apparatus. Each pike pole holder shall be labeled to indicate the pike pole length.

The pike pole tube(s) shall be mounted in the ladder storage compartment.

- Three (3) 6' Fire Hooks Unlimited fiberglass handled pike pole(s) shall be provided.

#### **SUCTION HOSE STORAGE**

The suction hoses shall be located inside the body. One above the ladder storage compartment, on the officer side, one on the drivers side upper body, and one on the officers side upper body. The hose storage areas shall be accessed from the rear of the apparatus. The storage areas shall be enclosed with a hinged door on the rear of the body.

#### **SUCTION HOSE**

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Three (3) 8' sections of six (6) inch Maxi-Flex (PVC) suction hose with lightweight hard coat couplings shall be furnished. Couplings shall include a long handle, female swivel on one end and a rocker lug male on the other end. All threads shall be six (6) inch N.S.T.

NOTE: All PVC suction hoses are strictly drafting hoses and must not be used on hydrants or in pressure applications, as serious personal injury or death may occur.

#### **STRAINER**

One (1) 6" NST, Kochek BS60 barrel type strainer(s) shall be provided to attach to the suction hose. A Kochek MM601 compartment mounting bracket shall also be provided to store the strainer(s) when not in use.

#### **EQUIPMENT CLARIFICATION**

The NFPA-1901 recommended double female hydrant adapter shall not be provided by the apparatus manufacturer.

#### **ADDITIONAL ITEMS SUPPLIED WITH THE VEHICLE**

- 1 - Pint of touch up paint for each color
- 1 -Bag of assorted stainless steel nuts and bolts

#### **LOOSE EQUIPMENT**

The following items shall be provided and shipped loose with the completed apparatus at the time of delivery:

- One (1) Amerex 2 1/2 gallon pressurized water extinguisher to be stored in the drivers side forward wheel well compartment.
- One (1) Amerex 20 pound ABC dry chemical extinguisher to be stored in the drivers side forward wheel well compartment.

#### **HAND LIGHT**

Two (2) Streamlight model 44451 orange "Fire Vulcan" C4 LED rechargeable hand light(s) and 12 volt charger shall be installed on the rear wall of the cab. Charger shall be wired to the chassis battery system.

#### **WHEEL CHOCKS**

Two (2) ZICO AC-1 wheel chocks shall be mounted forward of the rear wheels on the driver side below the side running board compartments.

#### **PAINT, PREPARATION AND FINISH**

The apparatus body shall be painted Sikkens [#COL]. The paint process shall meet or exceed current state regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water, and soil. Contractor shall, upon demand, provide evidence that the manufacturing facility is in compliance with State EPA rules and regulations.

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The exterior shall have no mounted components prior to painting to assure full coverage of metal treatments and paint to the exterior surfaces of the body. Any vertically or horizontally hinged smooth-plate compartment doors shall be painted separately to assure proper paint coverage on body, door jambs and door edges.

Paint process shall feature Sikkens high solid LV products and be performed in the following steps:

- Corrosion Prevention - all aluminum surfaces shall be pre-treated with the Alodine 5700 conversion coating to provide superior corrosion resistance and excellent adhesion of the base coat.
- Sikkens Sealer/Primer LV - acrylic urethane sealer/primer shall be applied to guarantee excellent gloss hold-out, chip resistance and a uniform base color.
- Sikkens High Solid LVBT650 (Base coat) - a lead-free, chromate-free high solid acrylic urethane base coat shall be applied, providing excellent coverage and durability. A minimum of two (2) coats shall be applied.
- Sikkens High Solid LVBT650 (Clear coat) - high solid LV clear coat shall be applied as the final step in order to ensure full gloss and color retention and durability. A minimum of two (2) coats shall be applied.

Any location where the material is penetrated after painting, for the purpose of mounting steps, hand rails, doors, lights, or other specified components shall be treated at the point of penetration with a corrosion inhibiting pre-treatment (ECK Corrosion Control). The pre-treatment shall be applied to the aluminum sheet metal or aluminum extrusions in all locations where the aluminum has been penetrated. All hardware used in mounting steps, hand rails, doors, lights, or other specified components shall be individually treated with the corrosion inhibiting pre-treatment.

After the paint process is complete, the gloss rating of the unit shall be tested with a 20 degree gloss meter. Coating thickness shall be measured with a digital MIL gauge and the orange peel with a digital wave scan device.

#### **BODY PRIMER & PREPARATION**

All exposed welds shall be ground smooth for final finishing of areas to be painted. The compartments and doors are totally degreased and phosphatized. After final body work is completed, grinding (36 and 80 grit), and finish sanding shall be used in preparation for priming.

#### **BODY FINISH PAINT**

The body shall be finish sanded and prepared for final paint. Upon completion of final preparation, the body shall be painted utilizing the highest quality, state of the art, low V.O.C., polyurethane base paint. Finish paint shall be applied in multiple coats to ensure proper paint coverage with a high gloss finish.

The entire body shall be buffed and detailed.

#### **BODY PAINT**

The inside and underside areas of the complete body assembly shall be painted black using a Sikkens paint system, prior to the installation of the body on the chassis or torque box.

#### **COMPARTMENT PAINT**



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The interior of the compartments shall be finish painted job color with a scuff resistant webbing type paint of a contrasting color applied over the painted surfaces.

#### **BODY PAINT**

The body paint finish shall be Sikkens paint system in a single color, to match customer furnished paint codes and requirements.

#### **PUMP / PIPING PAINT**

The pump enclosure and pump/plumbing within the pump enclosure shall be painted black.

#### **CHASSIS CAB PAINT**

The commercial cab exterior shall be finish painted in a single color by the chassis manufacturer with Purchaser's choice of color as available.

#### **COMMERCIAL CAB PAINT FINISH GUIDELINES**

The chassis shall be painted and detailed as provided from Ford and shall meet their quality guidelines.

#### **WHEEL PAINT**

The chassis inner rear wheels shall be painted as provided by the commercial chassis manufacturer.

#### **TOUCH-UP PAINT**

One (1) pint of each exterior color paint for touch-up purposes shall be supplied when the apparatus is delivered to the end user.

#### **FINALIZATION & DETAILING**

Prior to delivery the vehicle, the interior and exterior be cleaned and detailed. The finalization process detailing shall include installation of NFPA required labels, checking fluid levels, sealing and caulking required areas of the cab and body, rust proofing, paint touch-up, etc.

#### **RUST PROOFING**

The entire unit shall be thoroughly rust proofed utilizing rustproof and sound deadening materials applied in manufacturer recommended application procedures. Rust proofing shall be applied during the assembly process and upon completion to insure proper coverage in all critical areas.

#### **LETTERING**

The sales representative shall supply all lettering, decals, special emblems and non NFPA required striping. A \$4,000.00 allowance for graphics will be included in the price of the vehicle.

#### **SCOTCH-LITE STRIPE**

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A four (4) inch high "Scotch-Lite" stripe shall be provided. The stripe shall be applied on a minimum of 60 percent of each side of the unit, 60 percent on the rear of the unit and 40 percent on the front of the unit. The Scotch-Lite stripe layout shall be determined by the Nassau County Fire Marshal.

The Scotch-Lite shall be white in color.

#### **REAR CHEVRON STRIPING**

At least 50% of the rear facing vertical surface shall be covered with alternating strips of reflective striping.

The striping shall be 6" Scotch-Lite.

The Scotch-Lite shall be Ruby Red and Lemon Yellow in color.

#### **WARRANTY - FORD CHASSIS**

A one (1) year new vehicle warranty ~~(will/shall)~~ be provided on the chassis. The warranty ~~(will/shall)~~ be fully detailed in the owner's manual as supplied by Ford.

#### **WARRANTY - NEW PRODUCT - COMMERCIAL CHASSIS**

BIDDER hereby warrants to the original purchaser (first end users) that any new products manufactured by BIDDER will be free from defects in material and workmanship under normal use, maintenance and service for a period of one (1) year from date of delivery, subject to the conditions and exceptions stated herein.

Under this warranty, BIDDER'S obligation is limited to the repair or replacement at BIDDER'S option, at its factory, by its representative, or by its authorized service facility, of any part found to be defective by BIDDER. If BIDDER deems it necessary, all parts for which warranty claim is made, will be returned to BIDDER, transportation charges prepaid, for examination by BIDDER who will be the sole judge as to whether such part was defective in material or workmanship under normal use, maintenance or service.

#### **WARRANTY - BODY STRUCTURE**

The proposed body will be warranted against structural defects for a period of ten (10) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

#### **WARRANTY - CORROSION**

The proposed body will be warranted against rust-through or perforation, due to corrosion from within, for a period of ten (10) years. Perforation is defined as a condition in which an actual hole occurs in a sheet metal panel due to rust or corrosion from within. Surface rust or corrosion caused by chips or scratches in the paint is not covered by this warranty.

#### **WARRANTY - PAINT**

The proposed paint finish will be warranted for a period of ten (10) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

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### **WARRANTY - WATER TANK**

The proposed water tank will be warranted by the water tank manufacturer for the "Lifetime" of the unit. A copy of the manufacturer's warranty will be supplied to define additional details of the warranty provisions.

### **WARRANTY - FIRE PUMP**

Hale Products, Incorporated ("Hale") hereby warrants to the original buyer that products manufactured by Hale will be free of defects in material and workmanship for a period of five (5) years from the date product is first placed into service or five and one-half (5 1/2) years from date of shipment by Hale, whichever period will be first to expire. Within this warranty period Hale will cover parts and labor for the first two (2) years and parts only for years three (3) through five (5).

### **WARRANTY - HEAVY DUTY VALVES**

Akron Brass warrants Heavy Duty Swing-Out Valves for a period of ten (10) years after purchase against defects in material or workmanship. Akron Brass will repair or replace any Heavy Duty Swing Out Valve which fails to satisfy this warranty.

### **NFPA REQUIRED LOOSE EQUIPMENT, PROVIDED BY NASSAU COUNTY FIRE MARSHAL**

The following loose equipment as outlined in NFPA 1901, 2016 edition in accordance with the applicable requirements, will be provided by the Nassau County Fire Marshal. All loose equipment will be installed on the apparatus before placed in emergency service, unless the Nassau County Fire Marshal waives NFPA section 4.21.

#### **Section 6.6 Equipment.**

It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

##### **6.6.1 Ground Ladders.**

6.6.1.1 A 12 ft (3.7 m) or longer combination or extension type fire department ground ladder shall be carried on the apparatus.

6.6.1. All fire department ground ladders carried on the apparatus shall meet the requirements of NFPA 1931, Standard for Manufacturer's Design of Fire Department Ground Ladders, except as permitted by 6.6.1.3.

6.6.1.3 Stepladders and other types of multipurpose ladders shall be permitted to be carried in addition to the minimum fire department ground ladders specified in 6.6.1.1 provided they meet either ANSI A14.2 or ANSI A14.5 with duty ratings of Type 1A or 1AA.

#### **Section 6.6.2 Suction Hose or Supply Hose.**

It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

6.6.2.1 A minimum of 20 ft (6 m) of suction hose or 15 ft (4.5 m) of supply hose shall be carried.

6.6.2.1.1 Where suction hose is provided, a suction strainer shall be furnished.

6.6.2.1.2 Where suction hose is provided, the friction and entrance loss of the combination suction hose and strainer shall not exceed the losses listed in Table 16.2.4.1 (b) or Table 16.2.4.1(c).

6.6.2.1.3 Where supply hose is provided. It shall have couplings compatible with the local hydrant outlet connection on one end and the pump intake connection on the other end.

6.6.2.2 Suction hose and supply hose shall meet the requirements of NFPA 1961, Standard on Fire Hose.

#### **Section 6.7 Minor Equipment.**

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It is the responsibility of the purchaser to ensure that all required equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

- 6.7.2 Fire Hose and Nozzles. The following fire hose and nozzles shall be carried on the apparatus:
- (1) 300 ft (90 m) of 2 1/2 in. (65 mm) or larger fire hose
  - (2) 400 ft (120 m) of 1 1/2 in. (38 mm), 1 3/4 in. (45 mm), or 2 in. (52 mm) fire hose
  - (3) Two hand line nozzles. 95 gpm (360 L/min) minimum

- 6.7.3 Miscellaneous Equipment. The following additional equipment shall be carried on the apparatus:

- (1) One 6 lb (2.7 kg) flathead axe mounted in a bracket fastened to the apparatus
- (2) One 6 lb (2.7 kg) pick head axe mounted in a bracket fastened to the apparatus
- (3) Two portable hand lights mounted in brackets fastened to the apparatus
- (4) One approved dry chemical portable fire extinguisher with a minimum 80-B:C rating mounted in a bracket fastened to the apparatus
- (5) One 2 1/2 gal (9.5 L) or larger water extinguisher mounted in a bracket fastened to the apparatus
- (6) One self-contained breathing apparatus (SCBA) complying with NFPA 1981, Standard on Open-Circuit Self Contained Breathing Apparatus (SCBA) for Emergency Services, for each assigned seating position. But not fewer than four, mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer
- (7) One spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space
- (8) One first aid kit
- (9) Two combination spanner wrenches mounted in brackets fastened to the apparatus
- (10) One hydrant wrench mounted in brackets fastened to the apparatus
- (11) One double female 2 1/2 in. (65 mm) adapter with National Hose (NH) threads, mounted in a bracket fastened to the apparatus
- (12) One double male 2 1/2 in. (65 mm) adapter with NH threads, mounted in a bracket fastened to the apparatus
- (13) One rubber mallet, suitable for use on suction hose connections, mounted in a bracket fastened to the apparatus
- (14) Two or more wheel chocks. Mounted in readily accessible locations, that together will hold the apparatus. When loaded to its GVWR or GCWR, on a hard surface with a 20 percent grade with the transmission in neutral and the parking brake released
- (15) One traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, Standard for High-Visibility Public Safety Vests, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front
- (16) Five fluorescent, orange traffic cones not less than 28 in. (711 mm) in height, each equipped with a 6 in. (152 mm) retroreflective white band no more than 4 in. (102 mm) from the top of the cone, and an additional 4 in. (102 mm) retroreflective white band 2 in. (51 mm) below the 6 in. (152 mm) band
- (17) Five illuminated warning devices such as highway flares, unless the live fluorescent orange traffic cones have illuminating capabilities
- (18) One automatic external defibrillator (AED)

- 6.7.3.1 If none of the pump intakes are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side shall be carried. Any intake connection larger than 3 in. (75 mm) shall include a pressure relief device that meets the requirements of 16.6.6.

- 6.7.3.2 If the apparatus does not have a 2 1/2 in. intake with NH threads, an adapter from 2 1/2 in. NH female to a pump intake shall be carried, mounted in a bracket fastened to the apparatus if not already mounted directly to the intake.

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- 6.7.3.3 If the supply hose carried has other than 2 1/2 in. NH threads, adapters shall be carried to allow feeding the supply hose from a 2 1/2 in. NH thread male discharge and to allow the hose to connect to a 2 1/2 in. NH female intake, mounted in brackets fastened to the apparatus if not already mounted directly to the discharge or intake.

#### 14.1.8.4 Fire Helmet.

It is the responsibility of the purchaser to ensure that "Fire helmets shall not be worn by persons riding in enclosed driving and crew areas any time the apparatus is placed in service.

- 14.1.8.4.1 A location for helmet storage shall be provided.

- 14.1.8.4.2 If helmets are to be stored in the driving or crew compartment, the helmets shall be secured in compliance with 14.1.11.2.

#### 14.1.10 SCBA Mounting.

It is the responsibility of the purchaser to ensure that any SCBA equipment has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

- 14.1.10.1 Where SCBA units are mounted within a driving or crew compartment, a positive latching mechanical means of holding the SCBA device in its stowed position shall be provided such that the SCBA unit cannot be retained in the mount unless the positive latch is engaged.

- 14.1.10.2 The bracket holding device and its mounting shall retain the SCBA unit when subjected to a 9 G force and shall be installed in accordance with the bracket manufacturer's requirements.

- 14.1.10.3 If the SCBA unit is mounted in a seat back, the release mechanism shall be accessible to the user while seated.

#### 14.1.11 Equipment Mounting.

It is the responsibility of the purchaser to ensure that any equipment installed on the apparatus by them or their subcontractor meets the following requirements prior to placing it in service.

- 14.1.11.1 All equipment required to be used during an emergency response shall be securely fastened.

- 14.1.11.2 All equipment not required to be used during an emergency response, with the exception of SCBA units, shall not be mounted in a driving or crew area unless it is contained in a fully enclosed and latched compartment capable of containing the contents when a 9 G force is applied in the longitudinal axis of the vehicle or a 9G force is applied in any other direction, or the equipment is mounted in a bracket(s) that can contain the equipment when the equipment is subjected to those same forces.

#### Section 15.9.3 Reflective Striping.

It is the responsibility of the purchaser to ensure that Reflective Striping has been supplied and installed on the apparatus in order to achieve compliance with the standard prior to placing it in service.

- 15.9.3.1" A retro reflective stripe(s) shall be affixed to at least 50 percent of the cab and body length on each side, excluding the pump panel areas, and at least 25 percent of the width of the front of the apparatus.

- 15.9.3.1.1 The stripe or combination of stripes shall be a minimum of 4 in. (100 mm) in total width.

- 15.9.3.1.2 The 4 in. (100 mm) wide stripe or combination of stripes shall be permitted to be interrupted by objects (i.e., receptacles, cracks between slats in roll up doors) provided the full stripe is seen as conspicuous when approaching the apparatus.

#### 15.10 Hose Storage.

It is the responsibility of the purchaser to ensure that any hose storage area includes a positive means to prevent unintentional deployment in order to achieve compliance with the standard prior to placing it in service.

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15.10.7 Any hose storage area shall be equipped with a positive means to prevent unintentional deployment of the hose from the top, sides, front, and rear of the hose storage area while the apparatus is underway in normal operations.

**ADDITIONAL ITEMS TO BE SUPPLIED WITH VEHICLE**

**1 3/4" DOUBLE JACKET FIRE HOSE**

400 feet of 1 3/4" Double jacketed fire hose with NST couplings in 50 foot lengths.

**2.5" DOUBLE JACKET FIRE HOSE**

700 feet of 2.5" Double jacketed fire hose with NYC couplings in 50 foot lengths.

**5" SUPPLY HOSE**

500 feet of Synthetic single jacketed design with nitrile/PVC rubber lining and cover supply hose with Storz connections in 100 foot length.

**SUPPLY LINE PONY**

One (25') twenty five foot length of 5" supply line with Storz connections shall be supplied.

**HANDLINE HANDLINE NOZZLE 1.5" FEMALE**

Two (2) TFT Model #H-V 1.5" Automatic Handline Nozzles with NST thread shall be supplied.

**HANDLINE HANDLINE NOZZLE 2.5" FEMALE**

Two (2) TFT Model #H-2V 2.5" Automatic Handline Nozzles with NYC thread shall be supplied.

**TFT BOOSTER LINE NOZZLE**

One (1) TFT Model DS1204 1" (25mm) Twister selectable, dual gallonage, combination pattern nozzle shall be supplied.

**TFT FOAM JET NOZZLE ATTACHMENT**

One (1) TFT model FJ-H air-aspirating foam-making attachment for TFT H-V handline nozzle shall be supplied.

**STANDARD ADJUSTABLE HYDRANT WRENCH**

Two (2) Model K05 double head standard adjustable hydrant wrench/spanner wrench shall be supplied.

**ADJUSTABLE HYDRANT WRENCH- NYC**

One (1) Model K05NYC double head adjustable hydrant wrench/spanner wrench shall be supplied.

**ADJUSTABLE HYDRANT WRENCH- LONG BEACH**

One (1) Model K05LB double head adjustable hydrant wrench/spanner wrench shall be supplied.

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**DUAL SPANNER WRENCH MOUNT WITH 2 WRENCHES**

Three (3) Model #K46-2 Double Spanner Wrench mount with (2) two K01 Spanner Wrenches shall be supplied and installed as directed by the Nassau County Fire Marshal.

**STORZ SPANNER WRENCH MOUNT WITH 4 WRENCHES**

One (1) Model #KS34 Storz Spanner Wrench mount with (4) four Spanner Wrenches shall be supplied and installed as directed by the Nassau County Fire Marshal.

**BOOSTER LINE SPANNER**

Two (2) Booster line spanner wrench(s) shall be supplied

**RUBBER Mallet**

One (1) Stanley model 57-522 rubber mallet shall be supplied.

**2.5" SINGLE GATE BALL VALVE**

Two (2) Model HBV25DDX25D quarter turn single gate (2-1/2" New York Corp. female to 2-1/2" New York Corp. male) shall be supplied.

**HYDRANT STEAMER CONNECTION**

One (1) Model #S54R55 hydrant thread (steamer connection) to 5" Storz adaptor shall be supplied.

**NH x STORZ ADAPTER**

Two (2) Model #S54R56 6" NH thread x 5" Storz adaptor shall be supplied.

**STORZ X STORZ REDUCER**

One (1) Model #S60S54 5" Storz x 4" Storz adaptor shall be supplied.

**MALE REDUCER**

Two (2) Model #37R25DDX15B 2.5" NYC Female x 1.5" NST male adaptors shall be supplied.

**2.5" NYC MALE X 2.5" NST FEMALE**

Four (4) Model #37R254X 2.5" NYC Male x 2.5" NST Female adaptors shall be supplied.

**2.5" NYC FEMALE X 2.5" NST MALE**

Four (4) Model #37R25DDX25 2.5" NYC Female x 2.5" NST Male adaptors shall be supplied.

**2.5" NYC FEMALE X 2.5" FDNY MALE**

Four (4) Model #37R25DD25C 2.5" NYC Female x 2.5" FDNY Male adaptors shall be supplied.

**2.5" NYC DOUBLE FEMALE**

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Two (2) Model #35R25DDX25X 2.5" NYC Double female connectors shall be supplied.

**2.5" NYC DOUBLE MALE**

Two (2) Model #36R25DDX25D 2.5" NYC Double male connectors shall be supplied.

**2.5" NYC FEMALE X .75" NST MALE**

One (1) Model #37R25X75 2.5" NYC Female x .75" NST Male reducer shall be supplied.

**5" STORZ WYE ADAPTER**

One (1) Model #20K0425DDX 5" Storz x 2.5" NYC female wye shall be supplied.

**1.5" NST FEMALE X .75" NST MALE**

One (1) Model #37R15G-1 1.5" NST female x 3/4" NST male adapter for booster line extension shall be supplied.

**TOOL MOUNTING**

An allowance of \$1,000 will be added to the price of the vehicle to allow for the mounting of all hose adapters to a roll out tray as indicated by the Nassau County Fire Marshal. All adapters will be labeled as to their threads.

**FLAMEFIGHTER SCBA BRACKET**

Two (2) Flamefighter model 17251 with model #39011 strap for Scott 1 hour SCBA shall be provided and installed as directed by the Nassau County Fire Marshal.





FORWARD THIS TRANSMITTAL SHEET TOGETHER WITH BID FILE. RETAIN REQUISITION.

[illegible]

## APPARATUS

[illegible]



# CERTIFICATE OF LIABILITY INSURANCE

7/1/2018

DATE (MM/DD/YYYY)  
11/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| <b>PRODUCER</b> Lockton Companies<br>Three City Place Drive, Suite 900<br>St. Louis MO 63141-7081<br>(314) 432-0500 | <b>CONTACT</b><br>NAME:<br>PHONE (A/C, No, Ext):<br>FAX (A/C, No):<br>E-MAIL:<br>ADDRESS:<br><br><table style="width: 100%;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A : Great American E &amp; S Insurance Company</td> <td style="text-align: center;">37532</td> </tr> <tr> <td>INSURER B : Travelers Property Casualty Co of America</td> <td style="text-align: center;">25674</td> </tr> <tr> <td>INSURER C : AXIS Surplus Insurance Company</td> <td style="text-align: center;">26620</td> </tr> <tr> <td>INSURER D : The Charter Oak Fire Insurance Company</td> <td style="text-align: center;">25615</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A : Great American E & S Insurance Company | 37532 | INSURER B : Travelers Property Casualty Co of America | 25674 | INSURER C : AXIS Surplus Insurance Company | 26620 | INSURER D : The Charter Oak Fire Insurance Company | 25615 | INSURER E : |  | INSURER F : |  |
|---|---|-------------------------------|--------|--|-------|---|-------|--|-------|--|-------|-------------|--|-------------|--|
| INSURER(S) AFFORDING COVERAGE   | NAIC #  |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER A : Great American E & S Insurance Company  | 37532   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER B : Travelers Property Casualty Co of America   | 25674   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER C : AXIS Surplus Insurance Company  | 26620   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER D : The Charter Oak Fire Insurance Company  | 25615   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER E :   |   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| INSURER F :   |   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |
| <b>INSURED</b><br>1413135 Kovatch Mobile Equipment Corp.<br>One Industrial Complex<br>Nesquehoning PA 18240         |   |                               |        |  |       |   |       |  |       |  |       |             |  |             |  |

**COVERAGES** ALLSP      **CERTIFICATE NUMBER:** 15083900      **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE   | ADDL INSD | SUBR WVD | POLICY NUMBER                | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS  |
|----------|---|-----------|----------|------------------------------|-------------------------|-------------------------|---|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER: | Y         | N        | PL1744639                    | 7/1/2017                | 7/1/2018                | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000<br>MED EXP (Any one person) \$ XXXXXXXX<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 4,000,000<br>PRODUCTS - COMP/OP AGG \$ 4,000,000<br>\$ |
| B        | AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                     | N         | N        | TC2JCAP8E082581TIL17         | 7/1/2017                | 7/1/2018                | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$ XXXXXXXX<br>BODILY INJURY (Per accident) \$ XXXXXXXX<br>PROPERTY DAMAGE (Per accident) \$ XXXXXXXX<br>\$ XXXXXXXX   |
| C<br>A   | UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED <input type="checkbox"/> RETENTION \$  | N         | N        | EAU781897012017<br>XS1744640 | 7/1/2017<br>7/1/2017    | 7/1/2018<br>7/1/2018    | EACH OCCURRENCE \$ 10,000,000<br>AGGREGATE \$ 10,000,000<br>\$ XXXXXXXX   |
| D        | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below  | Y/N<br>N  | N/A      | TC20UB118D488217             | 7/1/2017                | 7/1/2018                | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000  |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 NASSAU COUNTY IS AN ADDITIONAL INSURED UNDER GENERAL LIABILITY AS REQUIRED BY WRITTEN CONTRACT.

**CERTIFICATE HOLDER**

15083900  
 NASSAU COUNTY  
 ONE WEST STREET  
 MINEOLA NY 11501

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/3/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|  |  |
|--|--|
| <b>PRODUCER</b><br><br><b>DeVivo Associates Inc.</b><br><b>718 Union Blvd</b><br><b>West Islip, New York</b> | <b>CONTACT NAME:</b> <b>Dennis J DeVivo</b>  |
|  | <b>PHONE (A/C, No, Ext):</b> <b>631-661-9059</b> <b>FAX (A/C, No):</b> <b>631-661-1754</b> |
|  | <b>E-MAIL ADDRESS:</b> <b>dennis@devivoassociates.com</b>                                  |
|  | <b>INSURER(S) AFFORDING COVERAGE</b> <b>NAIC #</b>   |
|  | <b>INSURER A:</b> <b>Arch Insurance</b>  |
|  | <b>INSURER B:</b>  |
|  | <b>INSURER C:</b>  |
|  | <b>INSURER D:</b>  |
|  | <b>INSURER E:</b>  |
|  | <b>INSURER F:</b>  |

|   |  |
|---|--|
| <b>INSURED</b><br><br><b>L.I. Proliner Inc. &amp;</b><br><b>Georgiou Enterprises Inc.</b><br><b>18 Peconic Avenue</b><br><b>Medford, NY 11763</b> |  |
|   |  |

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE  | ADDL INSD   | SUBR WVD | POLICY NUMBER       | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS   |
|----------|--|---|----------|---------------------|-------------------------|-------------------------|--|
| A        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER: |   |          | <b>MFPK07334904</b> | 10/11/2017              | 10/11/2018              | EACH OCCURRENCE \$ <b>1,000,000</b>                                  |
|          |  | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ <b>100,000</b> |          |                     |                         |                         |  |
|          |  | MED EXP (Any one person) \$ <b>5,000</b>                    |          |                     |                         |                         |  |
|          |  | PERSONAL & ADV INJURY \$ <b>1,000,000</b>                   |          |                     |                         |                         |  |
|          |  |   |          |                     |                         |                         | GENERAL AGGREGATE \$ <b>2,000,000</b>                                |
|          |  |   |          |                     |                         |                         | PRODUCTS - COMP/OP AGG \$ <b>2,000,000</b>                           |
|          |  |   |          |                     |                         |                         | <b>GKLL included</b> \$  |
| A        | <b>AUTOMOBILE LIABILITY</b><br><input type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY                             |   |          | <b>MFCA08345804</b> | 10/11/2017              | 10/11/2018              | COMBINED SINGLE LIMIT (Ea accident) \$ <b>1,000,000</b>              |
|          |  | BODILY INJURY (Per person) \$                               |          |                     |                         |                         |  |
|          |  | BODILY INJURY (Per accident) \$                             |          |                     |                         |                         |  |
|          |  | PROPERTY DAMAGE (Per accident) \$                           |          |                     |                         |                         |  |
|          |  |   |          |                     |                         |                         | \$   |
| A        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED \$ RETENTION \$   |   |          | <b>MFUM07982105</b> | 10/11/2017              | 10/11/2018              | EACH OCCURRENCE \$   |
|          |  | AGGREGATE \$ <b>2,000,000</b>                               |          |                     |                         |                         |  |
|          |  | \$ <b>2,000,000</b>   |          |                     |                         |                         |  |
|          | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N<br>If yes, describe under DESCRIPTION OF OPERATIONS below   |   | N/A      |                     |                         |                         | PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> |
|          |  |   |          |                     |                         |                         | E.L. EACH ACCIDENT \$  |
|          |  |   |          |                     |                         |                         | E.L. DISEASE - EA EMPLOYEE \$  |
|          |  |   |          |                     |                         |                         | E.L. DISEASE - POLICY LIMIT \$                                       |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Nassau County is listed as an additional Insured under General Liability as requested by written contract.

**CERTIFICATE HOLDER****CANCELLATION**

|  |  |
|--|--|
| <b>Nassau County</b><br><b>One West Street</b><br><b>Mineola, NY 11501</b> | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
|  | AUTHORIZED REPRESENTATIVE<br><br>   |

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