



Carrie Eklund
Central Services Manager
Finance Department

**INVITATION TO BID
POLICE SWAT VEHICLE
BID NO.: 614-P-075**

6/18/14

Name of Bidding Firm: _____
Address _____ City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
E-Mail: _____

Bid Opening Time and Date 11:00 a.m., Local Time, Tuesday, July 15, 2014

Bids will be accepted until the specified opening time and date. Any bidder attempting to deliver after the opening time and date will be refused.

Bid Deposit/Bid Bond: NO
Prevailing Wage NO
Performance Bond: NO

PLEASE MARK THE RETURN SEALED ENVELOPE:

1. Bid Opening Date and Time
2. Title of Job
3. Bid Number

RETURN BIDS TO:

City of Rockford
Central Services Manager
425 East State Street, 4th Floor
Rockford, Illinois 61104
Telephone: (815) 987-5560

BIDS SUBMITTED BY FASCSIMILE OR E-MAIL WILL NOT BE ACCEPTED

BID RESULTS:

Bid results may be obtained by telephone at (815) 987-5560, by fax at (800) 380-7174, or at www.rockfordil.gov

CITY OF ROCKFORD, ILLINOIS—BIDDING GENERAL CONDITIONS

1. Pricing. The bidder shall insert price for all bid items and all other information requested in these specifications. The price shall be the *full, delivered cost* to the City of Rockford with no additions.
2. Total versus “Per Item” Awards. The City generally awards contracts based on a lump sum basis to the lowest responsible and responsive bidder. However, the City may choose to award on a per item basis. Therefore, each bidder must submit pricing for each item indicated on the bid forms. Bidders must clearly indicate which items are bid and which are not.
3. Delivery of Merchandise. Delivery terms will always be Freight On Board (FOB)—Destination. The City of Rockford accepts no responsibility for the condition of any merchandise purchased prior to acceptance by City Personnel. Failure to comply with this requirement may constitute rejection of the bid.
4. Acceptance of Merchandise at Delivery. The City of Rockford reserves the right to refuse acceptance of delivered merchandise that differs substantially from the specifications in this invitation to bid or as otherwise permitted by Illinois law.
5. Prompt Payment Act. The City of Rockford intends to comply with the governmental prompt payment act. The awarded vendor will be paid upon submission of invoices to: City of Rockford Accounts Payable, 425 East State Street, Rockford, IL 61104.
6. W-9 Request for Taxpayer Identification Number. Prior to issuance of a purchase order, the successful bidder will be required to supply the City of Rockford with a federal W-9 Request for Taxpayer Identification Number and Certification. Failure to comply with this requirement will be considered a violation of contract terms, for which the City may bar the vendor from bidding for a period of up to three years.
7. Legal Compliance. The vendor awarded this contract will comply with all Federal, State, County, and City laws, ordinances, rules and regulations, which in any manner affect the product or service placed for bid herein. Lack of knowledge on the part of the awarded vendor of applicable law will in no way be cause for release of this obligation. If the City becomes aware of violation of any laws, ordinances, rules and regulations on the part of the awarded vendor, it reserves the right to reject any bid, cancel any contract, and pursue any other legal remedies deemed necessary.
8. Legal Requirements. This contract sets forth the entire final agreement between the City of Rockford and the bidder and shall govern the respective duties and obligations of the parties. The validity of this contract, and any disputes arising from the contract, shall be governed by the laws of the State of Illinois. Any litigation under this agreement shall be resolved in the trial courts of Winnebago County, State of Illinois. Should a provision of this contract be declared invalid by a court of competent jurisdiction, it shall not affect the validity of the remaining provisions of the contract.
9. Safety. Prevention of accidents at any project is the sole responsibility of the awarded vendor and its subcontractors, agents, and employees. The awarded vendor, its subcontractors, agents, and employees shall be fully and solely responsible for the safety of this project. The awarded vendor shall retain exclusive and direct control over the acts or omissions of its subcontractors, agents and employees, and any other persons performing portions of the work and not directly employed by the awarded vendor.

10. Criminal Background Check. When necessary for the protection of citizens and/or City staff, the City may require an awarded vendor to conduct a criminal background check on all of its personnel who will have direct contact with City facilities or residents/businesses served under this contract. Personnel are defined as representatives, agents, employees, subcontractors, or anyone else who will be utilized to fulfill obligations under this contract. Criminal background checks, at a minimum, shall consist of a county level felony and misdemeanor check for each county in which the personnel resided in the last 10 years. The awarded vendor shall notify the City of any of its personnel who have been convicted of a felony or misdemeanor prior to commencing any work under this contract. At the City's discretion, personnel with any felony or misdemeanor convictions which raise a concern about the safety of building, property, or City staff/resident's personal security, or is otherwise job related (as determined by the City) shall not perform work under this contract. Once given notice that a background check(s) will be required, it must be completed within 14 calendar days so as to not delay work to be completed.

11. Control of the Work. With respect to the awarded vendor's own work, the City shall not have contractual, operational, and/or supervisory control over and/or charge of the work and shall not be responsible for construction means, methods, techniques, sequences, procedures, and programs in connection with the awarded vendor's work, since these are solely the vendor's responsibility under the agreement. The City shall not be responsible for the awarded vendor's failure to carry out the work in accordance with the agreement's terms and conditions. The City shall not have control over and/or charge of acts or omissions of the awarded vendor, its subcontractors, and/or their agents or employees, or any other person performing portions of the work not directly employed by the awarded vendor. The awarded vendor shall be considered to be an "independent contractor" pursuant to Illinois law.

12. Bid Bond. When required on the cover sheet, a bid bond for not less than 5 percent of the bid amount must accompany all bids as a guarantee that if the bid is accepted, the bidder will execute and file the proper contract. A bank cashier's check, bank draft, or certified check equal to the amount specified is acceptable in lieu of a bid bond. Bid bonds of the two lowest firms will be retained until the contract is awarded.

13. Performance Bond. When required by the specifications herein, the awarded vendor shall furnish a performance bond equal to the amount of the contract, acceptable to the City, within 14 calendar days after notification of contract award. Failure to furnish the required bond within the time specified may be cause for rejection of the bid and any bid deposit may be retained by the City as liquidated damages and not as a penalty.

14. Taxes. No charge will be allowed for taxes from which the City of Rockford, Illinois is exempt. The City of Rockford, Illinois is not liable for the Illinois Retailers' Occupation Tax, the Service Occupation Tax or the Service Use Tax. The City is exempt from the Federal Excise and Transportation Tax.

15. Withdrawal of Bids. Firms may withdraw or cancel their bids at any time prior to the advertised invitation to bid opening. After the opening time, no bid shall be withdrawn or cancelled. All bids shall be firm and valid for a period of sixty (60) calendar days. If a bidder to whom a contract is awarded refuses to accept the award, the City may, at its discretion, suspend the bidder for a period of time up to three (3) years.

16. Subcontracting. The bidder shall provide information for all subcontractors, leased operators/equipment, and suppliers and all other information requested in the Subcontractor and Supplier Detail Forms attached. Requests for deviations from the completed detail forms submitted must be made in writing, and reviewed and approved by the City's Diversity Procurement Officer and the Central Services Manager or designee. The awarded vendor may not subcontract any portion of the contract after award without written consent of the City of Rockford

Central Services Manager. When subcontractors are used, the awarded vendor is required to pay subcontractors promptly after completion of work. Delay of payment is prohibited.

17. Termination of Contract. The City of Rockford reserves the right to terminate the contract in its entirety or in portions, upon written notice to the awarded vendor, if the Rockford City Council does not appropriate sufficient funds to complete the contract or in the event of default by the awarded vendor. Default is defined as failure of the awarded vendor to perform any of the provisions of this contract or failure to make sufficient progress so as to endanger performance of this contract in accordance with its terms. In the event of default, the City may purchase the product(s) and/or service(s) from other sources and hold the defaulting company responsible for any excess costs occasioned thereby. The City may require payment of liquidated damages for non-performance. Should default be due to failure to perform or because of a request for a price increase, the City reserves the right to remove the firm from the City's bidder list for a period of up to three years.

18. Late Bids and Proposals. Regardless of cause, late bids and proposals will not be accepted and will automatically be disqualified from further consideration. It shall be solely the vendor's risk to ensure delivery at the designated office by the designated time. Late bids and proposals will not be opened and may be returned to the awarded vendor at their request and expense.

19. EEO Forms. Each firm shall be required to submit with its bid information all EEO forms included in the invitation to bid package. Any bid which fails to include the properly completed compliance items will not be read and will not be considered. All subcontractors shall also be required to comply with the same EEO forms as the firm.

20. Restrictive or Ambiguous Specifications. It is the responsibility of the bidding firm to review the invitation to bid specifications and to notify the Central Services Manager if the specifications are formulated in a manner that would unnecessarily restrict competition. Any such protest or question regarding the specifications or invitation to bid procedures must be received by the Central Services Division not less than seventy-two hours prior to the time set for the opening. In the event a contract term is not defined within the contract document, the term will be given its ordinary dictionary definition.

21. Bid Protest. Firms wishing to protest bids or awards shall notify the Central Services Manager in writing within 7 days after the invitation to bid opening. The notification should include the bid number, the name of the firm protesting, and the reason why the firm is protesting the bid. The Central Services Manager will respond to the protest within seven (7) calendar days. A successful protest may result in the reversal of a previously awarded contract.

22. Disputes. In case of disputes as to whether or not an item or service quoted or delivered meets specifications, the decision of the Central Services Manager, or authorized representative shall be final and binding to all parties. The Central Services Manager has the right to waive technicalities as they see fit. The Central Services Manager may request a written recommendation from the head of the department using the equipment or service being procured.

23. Exceptions. Any deviations from these specifications shall be noted and submitted with the bid. Failure to address deviations from specifications may result in bid rejection.

24. Acceptance/Rejection of Bids. The City of Rockford reserves the right to accept or reject any or all bids or proposals at any time, for any reason, including but not limited to the Rockford City Council not appropriating

sufficient funds to purchase equipment or complete the contract. The City may make awards in any manner deemed in the best interest of the City.

25. **Prevailing Wage.** When indicated on the cover page of this document, this contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires awarded vendors and subcontractors to pay laborers, workers, and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly cash wages plus fringe benefits) in the county where the work is performed. When required, awarded vendors are responsible for paying current prevailing wage rates, as posted on the Illinois Department of Labor's website at: <http://www.state.il.us/agency/idol/rates/rates.HTM>. It is the awarded vendor's responsibility to verify current wage rates, as they are updated monthly. All awarded vendors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage, notice, and record keeping duties.

26. **Certified Payroll.** All Certified Payroll reports required to be submitted under the Prevailing Wage Act, 820 ILCS 130, must be submitted monthly via the City's current Certified Payroll reporting system. No paper copies or non-conforming Certified Payroll reports will be accepted. The City reserves the right to withhold payment due to the awarded vendor until the vendor displays compliance with this provision.

27. **Substance Abuse Prevention.** When required by Illinois State Statutes, awarded vendors must have in place and file with the City a written program for prevention of substance abuse among its employees. This program must include pre-hire, random, reasonable suspicion, and post-accident drug and alcohol testing, as required by the Substance Abuse Prevention on Public Works Projects Act.

28. **Apprenticeship Requirement.** For construction contracts over \$50,000, awarded vendors must participate in apprenticeship and training programs approved and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for all Trades that will be in the awarded vendor's (or his subcontractor's) employment, with each worker receiving the required apprenticeship/training appropriate to his trade. Owners or work performed by owners is not exempt from the apprenticeship and training requirement.

29. **Indemnification.** To the fullest extent permitted by law, the awarded vendor shall indemnify and hold harmless the City, its officers, representatives, elected and appointed officials, agents, and employees from and against all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from the awarded vendor's performance of work under this agreement, and indemnifies and agrees to defend and hold harmless the City against any and all losses, claims, damages, and expenses arising from the work performed hereunder of the erection, construction, placement, or operation of any scaffold, hoist, crane, stay, ladder, support, or other mechanical contrivance in connection with such work including but not limited to losses, claims, damages, and expenses arising pursuant to claims asserted against the City pursuant to theories premised upon section 414 of the Restatement (Second) of Torts and section 343 of the Restatement (Second) of Torts.

This indemnification agreement shall not be limited in any way by any limitations on the amount or type of damages, compensation, or benefits payable by or for the awarded vendor under Worker's Compensation Acts, disability benefit acts, or other employee benefit acts, and serves as an express agreement to waive the protection of *Kotecki v. Cyclops Welding Corp.*, 146 Ill.2d 155, 585 N.E.2d 1023 (1991) in Illinois.

Further, the awarded vendor agrees that it is solely responsible for compliance with all safety laws applicable to the work performed hereunder, including but not limited to the Occupational Safety and Health Act of 1970 and

the Construction Safety Act of 1960 and all standards and regulations which have been or shall be promulgated by the agencies which administer the Acts.

Under no circumstances shall the awarded vendor, its subcontractors, agents, and employees be required to indemnify the City for its own negligence.

30. Officers. Each bidder affirms, by submission of a response to this bid or request for proposals, that no officer of the City of Rockford, Illinois, is directly or indirectly interested in the proposal for any reason of personal gain.

31. Non-Waiver. The failure by the City to require performance of any provision shall not affect the City's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this contract constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

32. Professional Services Selection Act. The City of Rockford intends to comply with 50 ILCS 510/5 governing the selection of professional services. Any reference in these terms and conditions to supplying pricing or price as a determining factor in selection do not apply for services covered by said act.

33. The City of Rockford reserves the right to accept or reject any and all proposals and to waive technicalities in submitted bids.

**BID REQUIREMENTS FOR
EQUAL EMPLOYMENT OPPORTUNITY**

All bidders seeking to do business with the City of Rockford are **REQUIRED** to submit with any formal, sealed bid all of the following documents and information, attached herewith, completed and signed:

1. Equal Employment Opportunity Affirmative Action Plan Statement of Policy.
2. The Statement of Non-Compliance and Certificate of Non-Segregated Facilities.
3. The Contractor or Vendor Workforce Data Form listing all current employees, by classification, directly employed by the bidder. All categories of information requested must be supplied.
Note: The number of employees must be entered under each category (no check marks)

Below are the Federal definitions of the following racial groups accepted as minorities by the City of Rockford:

Black: A person having origins in any of the Black racial groups of Africa, not of Hispanic origin.

Hispanic: A person of Spanish or Portuguese culture with origins in Mexico, South or Central America, or the Caribbean Islands, regardless of race.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes for example, China, Japan, Korea, the Philippine Republic and Samoa.

American Indian or Alaskan Native: A person having origins in any of the original peoples of North America.

4. Your State of Illinois Pre-Qualification Certification Number, issued by the Illinois Department of Human Rights for the Illinois Department of Human Rights Act, must provide expiration date entered in the place provided therefore.
5. Certificate of Non-Barred Bidding
6. All executed Subcontractor/Leased Operator and Supplier forms.

If you have not obtained your State of Illinois Pre-Qualification Number (item #4), by signing these documents you agree to make application for this number within 30 days from the date of bid opening.

ANY BID WHICH FAILS TO INCLUDE THE CITY OF ROCKFORD EEO PAGES 2, 4, AND 5, COMPLETED AND SIGNED WITH YOUR SEALED BID WILL NOT BE READ AND WILL NOT BE CONSIDERED – NO EXCEPTIONS.

Falsification of any required Equal Employment Opportunity or Affirmative Action information on the part of the bidder could result in rejection of the bid submitted or in the case where a contract has already been awarded, in the cancellation of said contract.

Any questions pertaining to E.E.O. requirements should be addressed to Ron Moore, Diversity Procurement Officer, Legal Department, 425 East State Street, Rockford, Illinois 61104, Phone: (815) 987-5622 or ron.moore@rockfordil.gov

EQUAL EMPLOYMENT OPPORTUNITY
AFFIRMATIVE ACTION PLAN
STATEMENT OF POLICY

It is the policy of this company, _____
to provide equal employment opportunity without regard to race, religion, color, national origin, handicap, age or sex through a program of positive action affecting all employees. In this program, our company carries out the requirements of Federal Executive orders 11246 and 11375, Civil Rights Act of 1964, Equal Employment Act of 1972, and all other applicable laws, and indicates its active support of the principle of equal opportunity in employment.

At present, _____ % of our work force are minorities and _____ % of our work force are females, and we will attempt to utilize minorities and females through a positive, continuing program in all jobs for which we contract in the future. Our company will utilize referrals from the City of Rockford's Diversity Procurement Officer for use of minorities and females regarding any future job vacancies.

It is also our intent to make efforts to purchase supplies or equipment from small business concerns located in the City of Rockford or counties of Winnebago or Boone and owned in substantial part (at least 51 per cent) by minorities or females.

_____ is the official who will be responsible for implementing this policy statement.

_____ will be designated as the Equal Opportunity Officer in our company, responsible for submission of all required equal employment opportunity documents.

In addition, _____ is hereby authorized to sign payroll as well as this company's officers. (NOTE: If only officers will be authorized to sign payrolls, please fill in "No One" in this space.)

STATEMENT OF NONCOMPLIANCE

If the equal employment opportunity hearing committee determines that a contractor, subcontractor/leased operator of equipment or bidder is not in compliance with this chapter, (also known as Chapter 11, Article III the City of Rockford Equal Opportunity Employment Ordinance), the hearing committee shall issue and serve upon such person a written statement of noncompliance setting forth the manner in which it finds such person has violated this chapter, and imposing and/or requiring appropriate sanctions, including, but not limited to any and/or all of the following:

- a. Denying, suspending or revoking qualifications, or declaring the contractor or subcontractor irresponsible and ineligible for future contracts or subcontracts until such time as the contractor or subcontractor shall demonstrate to the equal employment opportunity hearing committee that it is in compliance;
- b. Withholding or delaying payment on the contractor or;
- c. Suspending, avoiding or canceling contract work.

CERTIFICATION OF NON-SEGREGATED FACILITIES

The bidder certifies that he/she does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that he/she does not permit his/her employees to perform their services at any location, under his/her control, where segregated facilities are maintained. The bidder agrees that a breach of this certification will be a violation of the Equal Opportunity clause in any contract resulting from acceptance of this bid.

The bidder agrees that (except where he/she has obtained identical certification from proposed subcontractors/leased operators of equipment for specific time periods) he/she will obtain identical certification from proposed subcontractors/leased operators of equipment from the provisions of the Equal Opportunity clause, and that he/she will retain such certification in his/her files.

CERTIFICATE OF NON-BARRED BIDDING

The undersigned certifies that it is not barred from bidding on this contract as a result of a conviction for the violation of State laws prohibiting bid rigging or bid rotating. The undersigned also certifies that current or prospective employees, contractors, and subcontractors/leased operators of equipment are not listed as Excluded Individuals/Entities with the US Government, as maintained by the US General Services Administration.

By signing below, the firm agrees that all information provided in the previous pages is accurate, and that if the firm below does not currently have a Department of Human Rights number they will apply for one within thirty days with the State of Illinois.

Authorized Signature

Title

Firm

Our firm is a:

Minority Business Enterprise _____

Women Business Enterprise _____

Neither _____

City-Certified? Yes _____ No _____

City Certified? Yes _____ No _____

(Revised 12/21/09)

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	Exemptions (see instructions): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	City of Rockford 425 East State Street Rockford IL 61104
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number									

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below), and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. The IRS has created a page on IRS.gov for information about Form W-9, at www.irs.gov/w9. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:
1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
 2. Certify that you are not subject to backup withholding, or
 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity,
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust, and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* on page 1.

What is FATCA reporting? The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name/disregarded entity name" line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the "Name" line and any business, trade, or "doing business as (DBA) name" on the "Business name/disregarded entity name" line.

Disregarded entity. For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulation section 301.7701-2(c)(2)(iii). Enter the owner's name on the "Name" line. The name of the entity entered on the "Name" line should never be a disregarded entity. The name on the "Name" line must be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on the "Name" line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the "Business name/disregarded entity name" line. If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Note. Check the appropriate box for the U.S. federal tax classification of the person whose name is entered on the "Name" line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the "Name" line is an LLC, check the "Limited liability company" box only and enter the appropriate code for the U.S. federal tax classification in the space provided. If you are an LLC that is treated as a partnership for U.S. federal tax purposes, enter "P" for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter "C" for C corporation or "S" for S corporation, as appropriate. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the "Name" line) is another LLC that is not disregarded for U.S. federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the "Name" line.

Other entities. Enter your business name as shown on required U.S. federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the *Exemptions* box, any code(s) that may apply to you. See *Exempt payee code* and *Exemption from FATCA reporting code* on page 3.

Exempt payee code. Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following codes identify payees that are exempt from backup withholding:

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements.

- A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)
- B—The United States or any of its agencies or instrumentalities
- C—A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Reg. section 1.1472-1(c)(1)(i)
- E—A corporation that is a member of the same expanded affiliated group as a corporation described in Reg. section 1.1472-1(c)(1)(i)
- F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

- G—A real estate investment trust
- H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940
- I—A common trust fund as defined in section 584(a)
- J—A bank as defined in section 581
- K—A broker
- L—A trust exempt from tax under section 664 or described in section 4947(a)(1)
- M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt payee code* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

- 1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.
- 2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.
- 3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.
- 4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).
- 5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor ⁴
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

**Police SWAT Vehicle
Bid Number 614-P-075**

1.0 Purpose

It is the purpose of these specifications to describe one (1) Police SWAT vehicle required by the City of Rockford.

2.0 General Requirements

- 2.1 Evaluation of Bid. Each bid shall be evaluated to determine whether the proposed product or service complies with the specifications detailed in this document. If this evaluation determines that a bid does not comply with the specifications set forth in this invitation to bid, then that bid shall be eliminated from consideration.
- 2.2 Evaluation Team. A team composed of staff from the Finance and Police departments shall evaluate each bid.
- 2.3 Evaluation Criteria. The evaluation team will evaluate bids based on total bid price and the ability of the bidder to comply with specifications.
- 2.4 Basis of Award. The City will award this contract to the lowest responsive and responsible bidder that is able to meet the requirements and criteria set forth in this document. A "responsive" bidder is able to provide a product or service that conforms in all material respects to the specifications detailed in this document. A "responsible" bidder is a corporation, company, or person who has the ability in all respects to provide the product or service desired at the highest possible standards of quality. A responsible bidder has the integrity and reliability to fully perform all contract requirements and assure good faith performance.
- 2.5 Questions. All questions regarding these specifications should be directed to Anne Wilkerson, Financial Analyst, at (815) 987-5741 or anne.wilkerson@rockfordil.gov.
- 2.6 Delivery Date. The successful bidder must deliver the vehicle complete with all equipment specified in this document. All trucks and equipment must arrive to the ordering agency in good working order by November 1, 2014. Exceptions from this delivery date must be listed in the bidder's response and may be grounds for eliminating a bidder as non-responsive. Should circumstances arise during manufacture of the vehicle which affect the delivery date, the vendor shall contact the Assistant Deputy Chief to request a change in the delivery date. Changes will be approved at the discretion of the City of Rockford.
- 2.7 Title and Plates. The successful bidder shall be responsible for titling each vehicle with a lienholder, in the state of Illinois, and applying for plates on behalf of the City.
- 2.8 Liquidated Damages. Failure to deliver the completed vehicle within the time frame outlined in the vendor's bid response will result in the assessment of liquidated damages. Damages will accrue in the amount of \$50 per business day beyond the delivery date. Damages will be deducted from payment issued by the City from the final invoice submitted for payment.
- 2.9 Manuals. A line setting sheet and manual(s) containing operating and servicing instructions for the equipment shall be provided with each unit. The manual(s) shall be as detailed as possible outlining all necessary operating and servicing instructions for the equipment, including its components. Necessary warnings and safety

precautions shall be included. In addition, technical (shop) manual(s) containing illustrated parts lists and a complete set of technician repair manuals for the entire unit including wiring diagrams and hydraulic schematics supplied with the equipment shall be provided. This can be supplied in paper manuals or in electronic format (on CD in Microsoft Word or PDF format).

2.10 Vendor's Warranty. At a minimum, the successful bidder shall provide a one-year "bumper-to-bumper" warranty. Wherever referenced in this section and on this document's Bid Form, "one-year" and "additional year" mean "12 months or 10,000 miles, whichever comes first." The bidder may propose an additional warranty beyond the minimum, provided said additional warranty is included at no charge to the agency.

2.11 Exceptions. Please list all exceptions.

3.0 Minimum Requirements

3.1 Chassis/Body Dimensions

- 3.1.1 Wheelbase of chassis: 250"
- 3.1.2 Overall length of apparatus, including rear step: 449"
- 3.1.3 Overall apparatus width, rub rail to rub rail: 96"
- 3.1.4 Rear step height from ground (loaded): 24"
- 3.1.5 Overall height of apparatus (loaded): 144"
- 3.1.6 Interior walkway height raw body: 83"
- 3.1.7 Interior walkway height finished: 81.5"
- 3.1.8 Interior walkway length: 336"
- 3.1.9 Interior raw body width: 93"
- 3.1.10 Interior finished body width: 85.5"

3.2 Chassis

- 3.2.1 Freightliner MT-55 forward control chassis
- 3.2.2 26,000-lb. GVWR with air ride rear suspension and hydraulic brakes
- 3.2.3 NO CDL REQUIREMENTS

3.3 Engine

- 3.3.1 Cummins ISB 6.7-260 260 HP@2300 RPM

3.4 Engine Equipment

- 3.4.1 2010 EPA/Carb emission certification
- 3.4.2 2008 Carb emission certification - clean idle
- 3.4.3 Frontal air intake
- 3.4.4 12v 200 amp alternator
- 3.4.5 (2) model 1131, group 31, 12 volt maintenance free 1900 cca threaded stud batteries
- 3.4.6 Battery box mounted right hand with batteries perpendicular to frame rail
- 3.4.7 18.7 cfm air compressor with internal safety valve
- 3.4.8 GVG, fire and emergency service vehicles engine warning
- 3.4.9 Exhaust brake integral with variable geometry turbo with on/off dash switch

- 3.4.10 Engine after treatment device, automatic over the road regeneration and dash mounted regeneration request switch
- 3.4.11 10 Gallon diesel exhaust fluid tank rh frame mounted
- 3.4.12 LH horizontal tailpipe, exit forward of rear tires
- 3.4.13 Antifreeze to -34f, ethylene glycol pre-mixed 50/50 coolant
- 3.4.14 Gates blue stripe coolant hoses or equivalent
- 3.4.15 1000 watt/115 volt block heater
- 3.4.16 12v starter with copper contacts

- 3.5 Transmission
 - 3.5.1 Allison 2200 EVS automatic transmission with park pawl with PTO provision

- 3.6 Front Axle and Equipment
 - 3.6.1 10,000 pound Drop single front axle
 - 3.6.2 Front oil seals
 - 3.6.3 Synthetic 75w-90 front axle lube
 - 3.6.4 TRW TAS-65 power steering

- 3.7 Front Suspension
 - 3.7.1 10,000 pound taperleaf front suspension
 - 3.7.2 Front shock absorbers

- 3.8 Rear Axle and Equipment
 - 3.8.1 17,500 pound single rear axle
 - 3.8.2 5.13 Rear axle ratio
 - 3.8.3 Synthetic 75w-90 rear axle lube

- 3.9 Rear Suspension
 - 3.9.1 Airliner 18,000# rear suspension
 - 3.9.2 Manual dump valve for air suspension with indicator light, without gauge
 - 3.9.3 Dual instant response rear suspension leveling valves
 - 3.9.4 Rear swaybar
 - 3.9.5 Rear shock absorbers

- 3.10 Brake System
 - 3.10.1 Bosch hydraulic brake package
 - 3.10.2 Wabco hydraulic 4S/4M without traction control

- 3.11 Frame
 - 3.11.1 5/16"X2.81"X9-1/8" steel frame

- 3.12 Chassis Equipment
 - 3.12.1 Three-piece 14" chromed steel bumper with collapsible ends

- 3.13 Fuel Tanks

- 3.13.1 60 gal / 227 liter rectangular steel fuel tank - between rails
- 3.13.2 Length of auxiliary pickup tubes (generators, furnaces etc.) shall prevent these devices from using more than 75% of vehicle's fuel tank capacity

- 3.14 Tires
 - 3.14.1 Michelin XZE 10R22.5 14ply radial front tires
 - 3.14.2 Michelin XDE M/S 10R22.5 14ply radial rear tires

- 3.15 Wheels
 - 3.15.1 Accuride 50487 accu-lite 22.5x8.25 10-hub pilot 5-hand steel disc front wheels
 - 3.15.2 Accuride 50487 accu-lite 22.5x8.25 10-hub pilot 5-hand steel disc rear wheels

- 3.16 Cab Exterior
 - 3.16.1 Hood mounted chromed plastic grille
 - 3.16.2 Dual electric horns

- 3.17 Cab Interior
 - 3.17.1 Compact air conditioner compressor
 - 3.17.2 Auto self-reset circuit breakers and fuses
 - 3.17.3 TRW tilt/3.00" telescopic steering column with foot actuated pedal

- 3.18 Instruments & Controls
 - 3.18.1 Green gauge backlighting
 - 3.18.2 97 db backup alarm
 - 3.18.3 Cruise control switches
 - 3.18.4 Driver message center w/LCD display, 24 warning lamps, data linked, ami
 - 3.18.5 Elec fuel gauge & low fuel ind lamp
 - 3.18.6 Programmable rpm ctrl w/low voltage auto high idle & rpm ctrl switches
 - 3.18.7 Electric engine coolant temp gauge w/warning lamp and alarm
 - 3.18.8 Automatic transmission oil temp gauge w/warning lamp
 - 3.18.9 Engine hour meter, integral to message center LCD
 - 3.18.10 Electric engine oil pressure gauge w/warning lamp and alarm
 - 3.18.11 Electronic mph speedometer with secondary kph scale, without odometer
 - 3.18.12 Electronic 3500 rpm tachometer
 - 3.18.13 Digital voltage display integral with driver display
 - 3.18.14 Wagner 7212 turn signal flasher
 - 3.18.15 Block heater shall be wired to a switch on the AC control panel
 - 3.18.16 DOT triangle reflector kit with three (3) triangles

- 3.19 Body
 - 3.19.1 Load space area shall be 83" high x 93" wide x 28' long all aluminum step van body.
 - 3.19.2 Driver sedan door with slider window, door skin shall be chemically bonded to door frame structure reducing the amount of rivets required. Door shall have continuous stainless steel piano hinge and two (2) nylon straps.

- 3.19.3 Passenger sedan door with slider window, door skin shall be chemically bonded to door frame structure reducing the amount of rivets required. Door shall have continuous stainless steel piano hinge and two (2) nylon straps.
- 3.19.4 Sedan doors shall have a 0.125" aluminum tread plate step well for 18" skirt depth.
- 3.19.5 Sedan doors shall have black non-skid tape on all door entry sills.
- 3.19.6 Sedan doors shall have polished aluminum Tri-mark flush mounted locking hardware with self-aligning rotary latch and matching key locks. Outside door handles not to exceed 50" from ground.
- 3.19.7 Aluminum alloy double H wall beam, 6005-T5 alloy, 3" x 3" wide at the base, 1.5" wide at the top, and 0.125 wall thickness. Studs feature machined wire pass-throughs, and raised adhesive control features on base.
- 3.19.8 I-beams shall be chemically bonded to sidewalls eliminating the need for additional rivets. Buck-rivets will be used to fasten the top, bottom and rub rail. Use of two-sided tape is not acceptable.
- 3.19.9 Body shall have 0.125" strain-hardened aluminum alloy 5052-H36 side panels. The upper panels shall be free of rivets allowing for smooth graphics application.
- 3.19.10 Skirt supports, 1.5 x 1.5 x 0.125 angle to reinforce skirt edge and hold bottom edge in a straight line. 0.188 x 1.00" flat braces placed at 4' intervals and riveted to lower wall angle and floor to maintain sidewall skirt rigidity.
- 3.19.11 Fender flares, 1.38" x 2.25" x 0.090" roll formed and radiused 5052-H32 aluminum sheet, mechanically fastened to wheel opening. Edges sealed against moisture.
- 3.19.12 NFPA 1901 embossed 0.125" aluminum tread plate roof attached to 3" x 1 1/2" x 0.125" extruded aluminum roof bows on 16" centers. Bows are welded to the tread plate roof. Tread plate seams to be continuous welded. Perimeter of roof shall be chemically sealed.
- 3.19.13 Lift-up molded fiberglass hood with chrome grill insert. Hood shall have integrated headlamps and turn signal indicators and dual assist gas charged lift shocks. The use of mechanical assist springs is not acceptable.
- 3.19.14 Extruded aluminum floor with interlocking planks, 1.88" high x various widths, 0.125" top surface. 6005-T5 alloy and temper. Heavy-duty thick-wall extruded planks fore and aft of all floor cutouts and every 5th plank in all other areas. Planks made of 6005-t5 alloy and temper, 0.250" thick top surface.
- 3.19.15 Bright polished front bumper.
- 3.19.16 Tinted safety plate glass windshield with driver and passenger sun visors.
- 3.19.17 Full width 12" deep heavy-duty aluminum rear bumper with center step, painted to match the body.
- 3.19.18 Integral cab air conditioning and heating system with dash controls.
- 3.19.19 Velvac heated remote control rear view mirrors with dash controls. Upper mirror has 62-sq.in. of flat surface and lower mirror has 30-sq.in. of convex surface. Mirror has a fold-away arm.
- 3.19.20 Driver seat shall be Seats Inc. Magnum 200 mechanical suspension seat on fixed pedestal. Seat shall be covered in black cloth and have arm rests, lumbar support, tilt back and 3-point seat belt.
- 3.19.21 Passenger seat shall be a jump seat.
- 3.19.22 Intermittent windshield wiper/washer with single heavy-duty windshield wiper motor.
- 3.19.23 Custom front wheel cutouts for tires.
- 3.19.24 Rear frame-mounted tow eyes extending past body.
- 3.19.25 Aluminum engine box cover with acoustical and thermal insulation. Black molded ABS composite engine box over-lay.
- 3.19.26 Acoustical and thermal insulation with heat shield on exterior fire-wall.
- 3.19.27 Full length skirting. Skirt shall extend 18" down from the bottom of floor extrusions.
- 3.19.28 Dash shall be vacuum formed ABS composite with integrated control pod located left of dash.

- 3.19.29 All clearance and side marker lights to be LED.
- 3.19.30 Standard structural warranty of 5 years or 50,000 miles and standard component warranty of 12 months or 12,000 miles.
- 3.19.31 The vehicle shall be fully sanded on all exterior surfaces with no more than 150 grit to assure removal of imperfections in metal surface. All aluminum shall be chemically etched and primed prior to painting. Base body color shall be oven baked and painted to commercial truck standards..
- 3.19.32 Heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at exterior entry door location.
- 3.19.33 Heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed inside entry door.
- 3.19.34 Automatic LED courtesy light at side entry door.
- 3.19.35 Courtesy light defeat switch on dash.
- 3.19.36 Kwikkee Series 39 (or current model) automatic electric steel entry step with NFPA 1901 approved embossed aluminum tread plate step cover. Product features:
 - 23.75" wide tread
 - Door switch extends step when door is opened, retracts step when door is closed
 - Power switch locks step in extended position
 - Ignition override retracts step when ignition is turned on
 - "Last out" feature extends step when the door is opened
- 3.19.37 30" wide 0.125" bright aluminum NFPA 1901 tread plate flip-down step on rear bumper. Step shall have cam lock to secure step while vehicle is in motion.
- 3.19.38 Whelen 600 series LED tail light package
 - Two (2) Whelen PLAST4V (or current model) polished chrome vertical housings for four 600 series light heads.
 - Two (2) Whelen 600 series LED amber turn signal light heads with populated arrow shape and multiple flash patterns, model number 60A00TAR (or current model).
 - Two (2) Whelen 600 series LED red brake/tail light heads, model number 60R00BRR (or current model).
 - Two (2) Whelen 600 series max intensity LED Back-up light heads, model number 60C00WCR (or current model).
- 3.19.39 Entire underside of the apparatus shall be undercoated including chassis, floor extrusions, step wells and aluminum compartments.
- 3.19.40 Rear mud flaps with anti-sail brackets.

3.20 Paint and Graphics

- 3.20.1 Body base color shall be white.
- 3.20.2 4-inch wide reflective stripe on the exterior back and sides of the vehicle, placed up to 48" above ground level (color ~ to be determined).
- 3.20.3 Custom computer-generated non-reflective vinyl graphics per customer specifications. Includes up to seventy 8"-10" letters and up to forty-five 3"-6" letters. All lettering shall be shaded or outlined.
- 3.20.4 Patriot Onyx Interior
 - Wall Covering: #66 Silver Smooth FRP
 - Ceiling Fabric: A97 Silver Haze
 - Floor Covering: #150 Onyx PVC Flooring
 - Office Chairs: Black

- Vinyl Coverings: #WH1-2140 Whisper Black
- Cabinets: #EBT-2-2002 Black Powder Coated Aluminum available in RAL-7035 Grey on request
- Counters and Tables: #4760-60 Mystique Night

3.21 Driver/Passenger Cab Area

- 3.21.1 Cover cab doors with custom powder coated panels.
- 3.21.2 Heavy-duty rubber grab handle on each door.
- 3.21.3 Custom made panels above driver and passenger doors.
- 3.21.4 Vehicle height sign on dash.
- 3.21.5 Insulated black rubber mat in driver and passenger toe plate area. Insulate walls in toe plate area and install carpeted panels.
- 3.21.6 Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7
- 3.21.7 Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
- 3.21.8 Work area on passenger side in front cab area.
- 3.21.9 Control panels for 120Vac and 12Vdc systems shall be located in the overhead console. The entire console shall be constructed of 3/4" plywood. The face shall be finished with black laminate and the bottom shall be covered with vinyl.
- 3.21.10 Red LED/Clear incandescent dome light with 3-position switch, red/off/white.
- 3.21.11 Pioneer Stereo (or current model) and one (1) pair of Pioneer speakers (or current model)
- 3.21.12 Zone Defense color back up camera system with 7" LCD monitor with day/night camera.

3.22 Walls, Ceiling and Floor

- 3.22.1 Insulate walls with fiberglass. Cover interior body side posts with 1/2" plywood sub wall, structural plywood sub wall, Exposure 1-APA, 5 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.
- 3.22.2 Cover sub wall with smooth finish Elite 0.075" fiberglass reinforced plastic (FRP) lining.
- 3.22.3 Insulate ceiling with fiberglass. Cover interior roof beams with 1/2" plywood panels.
 - Ceiling to have a modular panel design to allow for manageable future additions and repairs
 - A97 Silver Haze fabric (33010098)
- 3.22.4 Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, Exposure 1-APA, 6 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.
- 3.22.5 Lon seal Lon coin II Flecks 150 Onyx non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
- 3.22.6 2-1/2" vinyl cove molding as required (mop board).
- 3.22.7 All bulkheads shall be covered with Kemlite 0.075" FRP and capped with aluminum anodized trim.
- 3.22.8 Cover rear load space entry doors with material to match interior. Doors shall have heavy-duty rubber grab handles. Install gas charged lift/support cylinder on each rear door to hold doors open at 90°.
- 3.22.9 Cover load space door with black powder coated aluminum panel and heavy-duty rubber grab handle.

3.23 Seating

- 3.23.1 Fabricate and install fixed bench seating with removable cushions. Bench seat cushions shall be covered in heavy-duty vinyl.

3.24 Cabinets

3.24.1 Custom fabricated aluminum cabinets.

3.24.2 Cabinet specifications:

- Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames.
- Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached.
- Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames.
- Overhead cabinets doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached.
- Overhead cabinet's doors swing up on a full-length aluminum hinge, and are held open with a locking door stay.
- Overhead cabinets to have one adjustable shelf per door (24" high and taller cabinets only) - locked in place to your selected height. Shelves are formed from a single sheet of 0.064" mill finish aluminum, with 1 1/8" hemmed edges.

3.24.3 Gas shock lift supports on overhead cabinet door.

3.24.4 Weapons cabinet with lockable roll-up door.

3.24.5 Shield dividers.

3.24.6 Flip down countertops shall be covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.

3.24.7 Shelves shall be infinitely adjustable using mini B-line track and hardware.

3.24.8 FRP shelves with 2" lip, approximately 3' long.

3.24.9 Aluminum box pan shelves, located rear of truck for equipment bags.

3.25 HVAC System

3.25.1 Fan-tastic Vent model 4000 R (or current model) 3-speed reversible 12" power roof ventilator.

3.25.2 12,000-16,000 Btu/hr direct discharge, 12Vdc powered, and diesel-fired furnace with individual thermostat control. Exhaust shall be routed to the street side.

3.25.3 Coleman Polar Mach 9200 series low profile air conditioner with thermostat. Includes:

- 9223-C876 13,500 nominal BTU air conditioner with condensate pump.
- 9330B3552 Ceiling Assembly
- 9330B755 Heat/Cool control with 5,600 BTU heat strip

3.26 120/240V AC Electrical System

3.26.1 Onan Commercial Quiet Diesel 12-kW generator model 12.0HDKCD-2209 (or current model) mounted in custom fabricated all aluminum compartment. Generator features:

- Computer-controlled constant speed operation
- Unique sound-controlled housing encloses cooling system and muffler (69 dB(A) @ full load measured at 10 feet)
- Three-point, fully focalized internal mounting system
- Service and maintenance points accessible through easy-latch side service door
- High quality, pure sine wave electrical output maximizes sensitive equipment performance
- Typical Gal/hr fuel consumption: No load = 0.11, Half load = 0.48, Full load = 1.20

Compartment shall be constructed to the following specifications:

- Compartment shall be constructed from 0.187" aluminum with all welded seams.
- Compartment shall have 0.125" aluminum 2" box pan doors and 0.125" aluminum frames.
- Door frames shall be riveted to the body and welded to the compartments.

- Doors shall have stainless steel hinges attached to the doors and door frames with stainless machine screws.
- Doors shall have slam latches and flush mounted handles.
- Doors shall have 0.100" aluminum tread plate panels on interior surfaces.
- Doors shall be held open in a 90° position with gas charged lift/support cylinders.
- Doors shall be sealed with industrial grade neoprene gasket.
- Compartment shall have internal lighting when door is open.

3.26.2 Hardwired Transient Voltage Surge Suppressor (TVSS) protection for entire AC power system, # 17120001 (or current model). Product features:

- Tested to 25,000 Amps Fault Current per NEC Article 285
- UL US listed: UL1449 2nd Edition
- NEMA 4 plastic enclosure: 6.28"(H) x 4.18"(W) x 3.33"(D)
- 2 Green LED indicators, one for each line
- Red LED indicator for reduced or lost protection

3.26.3 Multiplex System

Multiplex controlled power and data electronics system must be incorporated into a common touch screen with the ability to distribute and control strategic onboard systems. It also simultaneously allows distribution of the information to multiple onboard control/monitoring stations. This system is required as it simplifies start up procedures, contains fewer operating components, reduces operational start-up time, reduces the total amount of wiring in the vehicle and has error detection protocols and troubleshooting features. Additional benefits:

- Easy Operation
- Custom control and monitoring
- Less operator training required
- Less time spent in vehicle setup, which means more time spent attending to situation
- Custom graphics and operator interfaces
- Diagnostics, error detection and troubleshooting

Multiplex system features:

- ONE (1), 7" LCD touch screen with custom graphics for control and monitoring systems
- Automated vehicle deployment startup and shutdown procedures
- AC power distribution control and monitoring for the generator with power management
- DC power distribution control and monitoring
- Manual or automatic generator control
- HVAC and temperature control.
- Lighting control Day/Night mode
- Slide out controls
- Automatic power transfer switches
- Tank monitoring
- Seamless control of generators, lighting, awnings and additional devices
- Mast control
- Safety interlocks
- Door / Access control

The system must be completely upgradeable with power modules located throughout vehicle. Additional components may be added to system with a simple software modification.

System capability is not to be achieved with use of multiple monitoring systems designed for specific use i.e. water monitors, battery monitors etc.

Operation:

- Intel-I-Touch™ multiplex wiring system must control the command center deployment and shut down process. This system is to be automated and reduce the number of interactive steps for the operator.
- Operation and monitoring can be done from several locations using interactive touch-screens, custom touch-panels, lighted pushbuttons, or other interfaces as desired. Custom alarms, notifications, and interlocks to be incorporated into the vehicle based on the safety and security of deployed items such as masts, awnings, leveling systems, slide-outs, satellites, etc.
- Intel-I-Touch™ diagnostic tools shall make troubleshooting and isolating problems fast and easy.
- Replacement modules to be preprogrammed before shipment. Field service easily accomplished by sending out a diagnostic laptop that is remotely accessed by LDV engineers.

3.26.4 Kussmaul Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord.

3.26.5 Maringo 50A-125/250Vac waterproof shore power inlet, 50-ft. 50A-125/250Vac shore power cord and 6-ft. 50A-125/250Vac pigtail.

3.26.6 Specification grade 20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment.

3.26.7 Specification grade 20A-125Vac exterior GFCI duplex receptacle with weatherproof PVC cover. GFCI receptacles will be wired in pairs to 20A circuit breakers located in the 120Vac electrical load distribution center.

3.26.8 Exterior 20A-120Vac locking receptacle with GFCI protection and weatherproof cover.

NOTE: Additional 20A outlets for telescoping tripod lights.

Locations:

- One (1) rear of truck, curb side.
- One (1) rear of truck, street side.

3.26.9 Havis Shields KR-SB-836 (or current model) telescoping tripod light pole 750 watt light. Includes:

- Magnafire 3000 KR-36 (or current model) light fixture with 750 watt 120 volt quartz halogen HIR bulb, field replaceable electro-polished aluminum reflector and white powder coat finish.
- Aluminum 800 series tripod with bright dip anodized finish.
- Light fixture shall have a locking swivel joint with a 3/4" diameter NPT threaded base to allow the light to be manually tilted up/down and locked in position by the operator.
- Quick-release truck mounted brackets.
- Integrated power switch.
- Twist lock plug and receptacle with GFCI protection.

3.26.10 50' 12/3 yellow extension cord with twist-lock plugs to extend the tripod light away from the truck.

3.27 120/240V AC Wiring Requirements

3.27.1 All 120/240Vac main wiring shall be stranded THHN wire and run in non-metallic Carlon Carflex liquid tight conduit.

3.27.2 All electrical circuits and appliances shall conform to applicable national electrical codes.

3.28 12V DC Electrical System

3.28.1 Four (4) 6Vdc Absorbed Glass Mat (AGM) batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Two (2) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment.

- 3.28.2 Two (2) electronic converter/chargers, 80 amp minimum output each installed underbody in weather resistant climate controlled. Compartment to draw ambient air from interior of truck and will have thermostatically controlled exhaust fan to circulate warm air to exterior (no exceptions). Converter/charger features:
 - Charges three banks of batteries at the same time.
 - UL listed for safety.
 - Manual reset circuit breaker.
 - Reverse battery protection.
 - Electronic current limiting.
 - High voltage protection.
 - 3.28.3 All DC electrical and metering switched and monitored through the multiplex system.
 - 3.28.4 Ceiling lights shall be, Orion 6" LED, neutral white with polished bezel.
 - 3.28.5 Whelen 810 Series white quartz halogen scene light with 8-32° optics, model number 810CA0ZR (or current model).
 - 3.28.6 15A-12Vdc power outlet.
 - 3.28.7 Whelen SA315 (or current model) high performance speaker. 19240082
 - 3.28.8 Whelen 295HFSA5 siren with 9 low current lighting control switches.
- 3.29 12V DC Emergency Lighting
- 3.29.1 Whelen TIR3 series Super-LED lighthouse with internal flasher, red LED's with clear outer lens, model RSR03ZCR (or current model). Includes chrome flange RFLANGEC (or current model).
 - 3.29.2 Whelen TIR3 series Super-LED lighthouse with internal flasher, blue LED's with clear outer lens, model RSB03ZCR (or current model). Includes chrome flange RFLANGEC (or current model).
 - 3.29.3 Whelen 600 series Linear Super-LED lighthouse with internal flasher, red/blue LED's with clear outer lens, model 60BR6FCR (or current model). Includes chrome flange 6EFLANGE (or current model).
Locations:
 - Two (2) rear, lower
 - One (1) street side, lower mid-ship
 - One (1) curb side, lower mid-ship
 - One (1) street side, hood
 - One (1) curb side, hood
 - 3.29.4 Whelen 900 series Linear Super-LED lighthouse with internal flasher, red/blue LED's with clear outer lens, model 90RB5FCR (or current model). Includes chrome flange 90FLANGC (or current model). One (1) each upper corner with custom fabricated bracket to mount 900 series light above windshield, painted to match body.
- 3.30 12V DC Wiring Requirements
- 3.30.1 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable.
 - 3.30.2 All added electrical circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical wiring (plug type fuses are unacceptable).
 - 3.30.3 Circuit breaker functions shall be identified by engraved or printed labels.

- 3.30.4 All added wiring for load runs shall be AWG 8, 10, 12, 14 and 18 and must conform to MIL-W-16878F.
- 3.30.5 Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer.
- 3.30.6 All wiring shall be numbered or lettered on 6" centers minimum.
- 3.30.7 Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required.
- 3.30.8 Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms.
- 3.30.9 All wire bundles shall be tied with trimmed nylon ties.
- 3.30.10 Extreme care shall be exercised to provide for easy serviceability of the system in future years.
- 3.30.11 Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas.
- 3.30.12 A high-current 12V dc system wiring schematic shall be provided.
- 3.30.13 These are the minimum acceptable 12V dc wiring requirements.

3.31 Audio/Video

- 3.31.1 Samsung LN32B360 (or current model) 32" flat panel LCD HDTV : TV/VIDEO
 - 720p pixel resolution
 - Widescreen aspect ratio
 - 30,000:1 dynamic contrast ratio
 - Built-in digital tuner (ATSC/Clear QAM)AUDIO
 - Watts per channel: 5W x 2
 - SRS TruSurround HD™CONNECTIONS• 2 HDMI inputs (rear)
 - 1 Component video input (rear)
 - Composite input (rear)
 - PC input
 - RS232CDimensions (W x H x D inches) 31.4" x 20.9" x 3.3", weight 20.1 lbs
- 3.31.2 Weatherproof exterior work station and access door for LCD monitor. Doors to be constructed from 0.125" aluminum with all welded seams. One hinged flip up door with gas strut and one hinged flip down door to act as a work station when down. Includes support cables and locking latch.
- 3.31.3 Exterior audio/video input (RCA audio jack, BNC video jack) routed from exterior input to exterior TV.
- 3.31.4 VGA cable routed from exterior input to exterior TV.
- 3.31.5 HDMI cable routed from exterior input to exterior TV.
- 3.31.6 All RF cable for DSS antenna systems (when specified) shall be Belden #9116 series 6 broadband coaxial cable. All other video cabling shall be Belden #1505A RG-59/U precision video cable.

3.32 Radios

- 3.32.1 Primary 12Vdc power leads for communications radios shall be minimum 2-gauge copper stranded wire with soldered crimp-on end connectors (gauge based on radio requirements). Cables shall be enclosed in convoluted tubing and function identified with colored shrink-wrap. Power to radios shall be controlled by a continuous-duty switch actuated by the auxiliary battery disconnect switch.
- 3.32.2 Prewire and make installation provisions for dash mounted communications radios. Installation includes:
 - NMO-style base on the roof or antenna raceway

- LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit.
- 12Vdc power routed to radio transceiver location.

3.32.3 Prewire and make installation provisions for communications radio. Installation includes:

- NMO-style base on the roof or antenna raceway, as applicable.
- LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit.
- 12Vdc power routed to radio transceiver location.

3.33 Exterior Storage Compartments

3.33.1 Single door underbody storage compartment with approximate interior dimensions 15" high x up to 36" wide x 25" deep constructed from 0.125" aluminum with all welded seams.

3.33.2 Single door underbody storage compartment with approximate interior dimensions of 15" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams.

3.33.3 Storage compartment with approximate interior dimensions of 96" high x up to 48" wide x 25" deep constructed from 0.1875 " aluminum with all welded seams.

3.33.4 Compartments will be constructed to the following specifications:

- Sweep out type bottoms with 1/2" drain holes.
- 2" box pan doors and door frames fabricated from 0.125" aluminum.
- Door frames shall be riveted to the body and welded to the compartments.
- Compartments shall have a dome light that illuminates when the door is opened. Compartment doors will be constructed to the following specifications:
 - Stainless steel hinges attached with stainless machine screws.
 - Slam latches and flush mounted tri mark handles.
 - 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware.
 - All doors shall be sealed with industrial grade neoprene gasket.

3.33.5 Satin anodized aluminum finish roll up door. Includes:

- Manual Lock with 2-sided Key
- Sill Plate
- Pull strap (as required)
- Door Ajar Switch (dash indicator light not included)

3.34 Awning

3.34.1 Dometic Weather Pro Awning 18' Cadet Grey acrylic fabric (other colors available on request) electric awning with the following features:

- Solid-state sensor automatically closes awning after detecting sustained winds
- Exclusive Knee-Action Design prevents damage from sudden wind gusts
- Heavy duty motor is fully contained in the roller tube, self-locks awning in travel position
- Unique spring-arm mechanism automatically dumps accumulating rain water

3.35 Miscellaneous Items

3.35.1 Removable Quartet Magnetic Porcelain Marker Board QRT P563T (or current model) 36" x 24".

- White, magnetic; matte finish for reduced glare.
- Full-size tray for markers and erasers.
- Magnetic brackets on the exterior of the vehicle.

3.35.2 5 pound dry chemical fire extinguishers.

- 3.35.3 First Alert 9-volt combination Carbon Monoxide and Smoke alarms.
- 3.35.4 42" x 24" x 24" Custom Type 3 combo steel day box. Approximate weight 375 pounds empty.
- 3.35.5 24" x 18" x 12" Custom Type 3 steel day box. Approximate weight 120 pounds empty.

3.36 Manuals

3.36.1 Complete manual set, including the following:

- Chassis and body owner's manuals.
- 12V dc and 120V ac legends showing wire gauge, color, number and function.
- 12V dc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels.
- Roof top antenna placement drawing and legend identifying antenna placements and termination points.
- Audio/Video cabling diagram.
- Telephone system punch block wiring diagrams.
- Alarm system zones legend.
- Warranty and Return Authorization procedures.
- Chassis and generator maintenance and service logs.
- Battery maintenance information.
- All individual component manuals and warranty registration cards as provided by component manufacturers.

3.37 Miscellaneous

3.37.1 At time of delivery to customer's facility a manufacturer representative will provide up to Four (8) hours of orientation on manufacturer provided systems, as applicable:

- Generator start up and shut down procedure
- Leveling system operation
- AC and DC electrical systems operation
- HVAC systems operation
- Mast operation
- Audio/Video system operation, does not include programming VCR's, TV's, etc.
- Alarm operation
- Awning operation

Bid Form
614-P-075

Please submit pricing for vehicle as outlined:

Total Price

Police SWAT Vehicle

\$ _____

Person, Firm or Corporation

Authorized Signature and Title