



GENERAL SERVICES AGENCY

(Ahensian Setbision Hinirat)

Government of Guam

148 Route 1 Marine Drive, Piti Guam 96915

Tel: 475-1713* Telefax: 472-4217; 475-1716; 475-1727

Accountability	*	Impartiality	*	Competence	*	Openness	*	Value
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INVITATION FOR BID NO.: GSA-081-22

DESCRIPTION:

Indefinite Quantity Bid (IDIQ)

STRUCTURAL FIREFIGHTING PUMPERS WITH MINIMUM 1000
GPM PUMP, MINIMUM 500 GALLON WATER TANK, AND
5-YEAR EXTENDED SERVICE/MAINTENANCE AGREEMENT

SPECIAL REMINDER TO PROSPECTIVE BIDDERS

Bidders are reminded to read the Sealed Bid Solicitation and Instructions, and General Terms and Conditions attached to the IFB to ascertain that all of the following requirements checked below are submitted in the bid envelope, in duplicate, at the date and time for bid opening.

(X) BID GUARANTEE (15% of Bid Amount) May be in the form of;

Reference #11 on the General Terms and Conditions and on page 36 PERFORMANCE BOND, BOND SUPPLIER'S QUALIFICATIONS and BID BOND/CERTIFIED CHECK

a. Cashier's Check or Certified Check

b. Letter of Credit

c. Surety Bond – Valid only if accompanied by:

1. Current Certificate of Authority issued by the Insurance Commissioner;
2. Power of Attorney issued by the Surety to the Resident General Agent;
3. Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.

(X) BROCHURES/DESCRIPTIVE LITERATURE;

(X) AFFIDAVIT DISCLOSING OWNERSHIP and COMMISSION

a. Date of signature of the person authorized to sign the bid and the notary date must be the same.

(X) OTHER REQUIREMENTS:

Affidavit re Ethical Standards, Affidavit re No Gratuities or Kickbacks, Special Provision: Restriction Against Sexual Offenders, Affidavit D.O.L. Wage Determination, Affidavit re Non-Collusion, Affidavit re Contingent Fees,

(X) CURRENT BUSINESS LICENSE/CONTRACTOR'S LICENSE/SPECIALTY LICENSE
IN REFERENCE TO SUPPLIES OR SERVICES FOR THIS BID MUST BE SUBMITTED PRIOR TO
AWARD.

This reminder must be signed and returned in the bid envelope together with the bid. Failure to comply with the above requirements may be cause for disqualification and rejection of the bid.

On this _____ day of _____, 202____, I _____,
authorized representative of _____ acknowledge receipt of this special
reminder to prospective bidders with the above referenced IFB.

Bidder Representative's Signature

IDIQ Invitation for Bid: GSA-081-22

**STRUCTURAL FIREFIGHTING PUMPERS WITH MINIMUM 1000
GPM PUMP, MINIMUM 500 GALLON WATER TANK, AND
5-YEAR EXTENDED SERVICE/MAINTENANCE AGREEMENT**

ACKNOWLEDGEMENT RECEIPT FORM

Please be advised that to be considered a prospective bidder you must fill out this Acknowledgement receipt form. Please submit form by Fax to **475-1727** and email to **gsaprocurement@gsadoa.guam.gov**

Acknowledgement Receipt Form must be submitted no later than three (3) days upon receipt of IFB package.

Name	<hr/>
Signature	<hr/>
Date	<hr/>
Time	<hr/>
Contact Number	<hr/>
Fax Number	<hr/>
Contact Person regarding IFB	<hr/>
Title	<hr/>
E-Mail Address	<hr/>
Company/Firm	<hr/>
Address	<hr/>

Note: GSA recommends that prospective bidders register current contact Information with GSA to ensure they receive any notices regarding any changes or update to the IFB. The procuring agency and GSA will not be liable for failure to provide notice to any party who did not register current contact information.

All questions and concerns in regards to this bid must be submitted to the General Services Agency via fax and email to **gsaprocurement@gsadoa.guam.gov** attention to the Chief Procurement Officer no later than **Wednesday July 06, 2022, close of business at 5:00pm.**


Reference Page 30 of 63 #2(e) - No Entitlement To Preparation Costs – the bidder expressly waives any right it may have against the government for any expenses incurred in connection with the preparation of its bid.

Note: Pursuant to the Pandemic of Coronavirus (COVID-19), GSA adheres with the "Distance Socializing" under the Emergency Executive Orders 2020-03 thru 2020-20.

INVITATION FOR BID

ISSUING OFFICE:

GENERAL SERVICES AGENCY
GOVERNMENT OF GUAM
148 ROUTE 1, MARINE DRIVE
PITI, GUAM 96915



Claudia S. Acfalle
Chief Procurement Officer

DATE ISSUED: July 05, 2022

BID INVITATION NO: GSA-081-22

BID FOR: **STRUCTURAL FIREFIGHTING PUMPERS WITH MINIMUM 1000 GPM PUMP, MINIMUM 500 GALLON WATER TANK, AND 5-YEAR EXTENDED SERVICE/MAINTENANCE AGREEMENT**

SPECIFICATION: **SEE ATTACHED**

DESTINATION: GUAM FIRE DEPARTMENT

REQUIRED DELIVERY DATE: **730 Days Upon Receipt of Purchase Order. For a period of one (1) year on an as needed basis upon availability of funds. (This is an indefinite quantity bid)**

INSTRUCTION TO BIDDERS:

INDICATE WHETHER: INDIVIDUAL PARTNERSHIP CORPORATION

INCORPORATED IN: _____

This bid shall be submitted in duplicate and sealed to the issuing office above no later than (Time) 11:00am, Date: 07/22/2022 and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. The entire IFB and all of its attachments are hereby incorporated by reference into this purchase order to the same extent and with the same force as if fully set forth herein. See attached General Terms and Conditions, and Sealed Bid Solicitation for details.

The undersigned offers and agrees to furnish within the time specified, the articles and services at the price stated opposite the respective items listed on the schedule provided, unless otherwise specified by the bidder. In consideration to the expense of the Government in opening, tabulating, and evaluating this and other bids, and other considerations, the undersigned agrees that this bid, including the price per unit, remain firm and irrevocable within 365 calendar days from the date opening to supply any or all the items which prices are quoted.

NAME AND ADDRESS OF BIDDER:

SIGNATURE AND TITLE OF PERSON
AUTHORIZED TO SIGN THIS BID:

AWARD: CONTRACT NO.: _____ AMOUNT: _____ DATE: _____

ITEM	NO(S).	AWARDED:

CONTRACTING OFFICER:

CLAUDIA S. ACFALLE
Chief Procurement Officer

NAME AND ADDRESS OF CONTRACTOR:

SIGNATURE AND TITLE OF PERSON
AUTHORIZED TO SIGN THIS CONTRACT:

SPECIAL PROVISIONS

This is an "Indefinite Quantity Bid" pursuant to Section 3119(i)(2) of the 2GAR Procurement Regulations. The quantities reflected are **estimated** requirements projected within a twelve (12) month period. These amounts may increase during the term of this bid. However, regardless of the fluctuation of quantities, this bid shall be subject to the availability of funds.

Delivery:

730 Days Upon Receipt of Purchase Order. Schedule time and quantity will be coordinated between the successful bidder and the requesting department on an as needed basis.

Contract Period:

The term of this contract is for a period of one (1) year on an as needed basis upon availability of funds. Within this contract period of one (1) year the contract shall be reviewed every 6 months supported by a written determination for continued need. 2GAR Div 4 §3119(i) and §6101 (5)(b)

Guam Fire Department is required to order its actual requirements during the one (1) year period from the awarded bidder. 2 GAR, Div. 4, § 3119(i)(3); 5 G.C.A. § 5235. The only exemptions to this actual-requirements assertion above are: A) when the agency's Procurement Officer approves a finding that the supply or service available under the contract will not meet a nonrecurring, special need of the procuring agency; or B) when supplies are produced incidental to the Government of Guam's own programs as may be available that can satisfy the need. *Id.*

Additional Requirement:

In the event that other agencies within the Government of Guam, having the same requirements, upon notifications and acceptance of the additional requirements, the effective price of said bid, shall be used as a confirm price. This additional requirement shall not exceed the term of this bid

Funding Status and IDIQ Intention

The using agency may receive additional funding for similar purchases in the near future and thus intends to utilize an IDIQ requirement(s) contract.

The government is in need of an indefinite quantity ("IDIQ") contract because, although expected, additional funds for similar and/or identical items is not at this time definite and it would expend unnecessary government resources to publish, solicit, and analyze an additional IFB simply because of the confirmed influx of funding within this one (1) – year IDIQ period. Other forms of contract will not suffice because they are not the official method for purchasing additional identical items at the same price as in the original accepted bid. 2GAR Div 4 §3119(i) and §6101 (5)(b).

DISCLOSURE OF OWNERSHIP, COMMISSIONS, INFLUENCE, AND CONFLICTS- As a condition of submitting a Bid/Offer/Proposal or entering into a contract with the government of Guam, any partnership, sole proprietorship, business entity, or corporation doing business with GFD shall submit an Affidavit executed under oath that lists the name and address of any person who has held more than ten percent (10%) of the outstanding interest or shares in said partnership, sole proprietorship or corporation at any time during the twelve (12) month period immediately preceding publication of the procurement, or entering a contract on the Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest attached to this solicitation at Section IV. This Affidavit shall contain the number of shares or the percentage of all assets of such partnership, sole proprietorship or corporation, which have been held by each such person/entity during the preceding twelve (12) month period, and other ownership disclosures in accordance with Public Law 36-13. In addition, the Affidavit shall contain the name and address of any person/entity who has received or is entitled to receive a commission, gratuity or other compensation for procuring or assisting in obtaining business related to the Bid/Offer/Proposal for the Bidder/Offeror and shall also contain the amounts of any such commission, gratuity or other compensation, and shall list any required conflicts of interest. Any Bidder/Offeror must keep this Affidavit current through the date that a Notice of Award is issued in this procurement, and throughout any awarded contract, if the Bidder/Offeror is awarded the contract. A Bid/Offer/Proposal from any Bidder/Offeror listing a person with a potential conflict of interest on the Affidavit may be rejected. The Affidavit shall be open and available to the public inspection and copying. This Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest attached to this solicitation must be completed and returned with the Bidder/Offeror's Bid/Offer/Proposal. Failure to submit the Affidavit with the Bid/Offer/Proposal may be deemed nonresponsive and cause for rejection of the Bid/Offer/Proposal upon opening.

AFFIDAVIT RE ETHICAL STANDARDS

CITY OF _____)
) ss.
ISLAND OF GUAM)

_____ [state name of affiant signing below], being first duly sworn, deposes and says that:

The affiant is _____ [state one of the following: *the offeror, a partner of the offeror, an officer of the offeror*] making the foregoing identified bid or proposal. To the best of affiant's knowledge, neither affiant nor any officers, representatives, agents, subcontractors or employees of offeror have knowingly influenced any government of Guam employee to breach any of the ethical standards set forth in 5 GCA Chapter 5, Article 11. Further, affiant promises that neither he or she, nor any officer, representative, agent, subcontractor, or employee of offeror will knowingly influence any government of Guam employee to breach any ethical standards set forth in 5 GCA Chapter 5, Article 11. These statements are made pursuant to 2 GAR Division 4 § 11103(b).

Signature of one of the following:
Offeror, if the offeror is an individual;
Partner, if the offeror is a partnership;
Officer, if the offeror is a corporation.

Subscribed and sworn to before me this _____ day of _____, 202__.

NOTARY PUBLIC

My commission expires _____, _____.

AFFIDAVIT re NO GRATUITIES or KICKBACKS

CITY OF _____)
) ss.
ISLAND OF GUAM)

_____ [state name of affiant signing below], being first duly sworn, deposes and says that:

1. The name of the offering firm or individual is [state name of offeror company] _____. Affiant is _____ [state one of the following: the offeror, a partner of the offeror, an officer of the offeror] making the foregoing identified bid or proposal.

2. To the best of affiant’s knowledge, neither affiant, nor any of the offerors officers, representatives, agents, subcontractors, or employees have violated, are violating the prohibition against gratuities and kickbacks set forth in 2 GAR Division 4 § 11107(e). Further, affiant promises, on behalf of offeror, not to violate the prohibition against gratuities and kickbacks as set forth in 2 GAR Division 4 § 11107(e).

3. To the best of affiant’s knowledge, neither affiant, nor any of the offerors officers, representatives, agents, subcontractors, or employees have offered, given or agreed to give, any government of Guam employee or former government employee, any payment, gift, kickback, gratuity or offer of employment in connection with the offerors proposal.

4. I make these statements on behalf of myself as a representative of the offeror, and on behalf of the offerors officers, representatives, agents, subcontractors, and employees.

Signature of one of the following:
Offeror, if the offeror is an individual;
Partner, if the offeror is a partnership;
Officer, if the offeror is a corporation.

Subscribed and sworn to before me this _____ day of _____, 202__.

NOTARY PUBLIC
My commission expires _____, _____.

Special Provisions

Restriction against Sex Offenders Employed by service providers to Government of Guam from working on Government Property.

If a contract for services is awarded to the bidder or offeror, then the service provider must warranty that no person in its employment who has been convicted of a sex offense under the provisions of chapter 25 of Title 9 of Guam code Annotated or of an offense defined in Article 2 of chapter 28 of Title 9 of the Guam Code annotated, or who has been convicted in any other jurisdiction of an offense with the same elements as heretofore defined, or who is listed on the Sex Offender Registry, shall provide services on behalf of the service provider while on government of Guam property, with the exception of public highways. If any employee of a service provider is providing services on government property and is convicted subsequent to an award of a contract, then the service provider warrants that it will notify the Government of the conviction within twenty-four (24) hours of the conviction, and will immediately remove such convicted person from providing services on government property. If the service provider is found to be in violation of any of the provisions of this paragraph, then the government will give notice to the service provider to take corrective action. The service provider shall take corrective action within twenty-four (24) hours of notice from the Government, and the service provider shall notify the Government when action has been taken. If the service providers fail to take corrective steps within twenty-four (24) hours of notice from the Government, then the Government in its sole discretion may suspend temporarily and contract for services until corrective action has been taken.

Signature of Bidder
Proposer, if an individual;
Partner, if a partnership;
Officer, if a corporation.

Date

Subscribed and sworn before me this _____ day of _____, 202__

NOTARY PUBLIC

My commission expires, _____, _____.

FORM E

DECLARATION RE COMPLIANCE WITH U.S. D.O.L. WAGE DETERMINATION

Procurement No: GSA-081-22

STRUCTURAL FIREFIGHTING PUMPERS WITH MINIMUM 1000 GPM PUMP, MINIMUM 500 GALLON WATER TANK, AND 5-YEAR EXTENDED SERVICE/MAINTENANCE AGREEMENT.

Name of Offeror Company: _____ hereby certifies under penalty of perjury:

- (1) That I am _____ (the offeror, a partner of the offeror, an officer of the offeror) making the bid or proposal in the foregoing identified procurement;
- (2) That I have read and understand the provisions of 5 GCA § 5801 and § 5802 which read:

§ 5801. Wage Determination Established.

In such cases where the government of Guam enters into contractual arrangements with a sole proprietorship, a partnership or a corporation ("contractor") for the provision of a service to the government of Guam, and in such cases where the contractor employs a person(s) whose purpose, in whole or in part, is the direct delivery of service contracted by the government of Guam, then the contractor shall pay such employee(s) in accordance with the Wage Determination for Guam and the Northern Mariana Islands issued and promulgated by the U.S. Department of Labor for such labor as is employed in the direct delivery of contract deliverables to the government of Guam.

The Wage Determination most recently issued by the U.S. Department of Labor at the time a contract is awarded to a contractor by the government of Guam shall be used to determine wages, which shall be paid to employees pursuant to this Article. Should any contract contain a renewal clause, then at the time of renewal adjustments, there shall be made stipulations contained in that contract for applying the Wage Determination, as required by this Article, so that the Wage Determination promulgated by the U.S. Department of Labor on a date most recent to the renewal date shall apply.

§ 5802. Benefits.

In addition to the Wage Determination detailed in this Article, any contract to which this Article applies shall also contain provisions mandating health and similar benefits for employees covered by this Article, such benefits having a minimum value as detailed in the Wage Determination issued and promulgated by the U.S. Department of Labor, and shall contain provisions guaranteeing a minimum of ten (10) paid holidays per annum per employee.

- (3) That the offeror is in full compliance with 5 GCA § 5801 and § 5802, as may be applicable to the procurement referenced herein;
- (4) That I have attached the most recent wage determination applicable to Guam issued by the U.S. Department of Labor. (INSTRUCTIONS – Please attach!)

Signature

Date

"REGISTER OF WAGE DETERMINATIONS UNDER THE SERVICE CONTRACT ACT By direction of the Secretary of Labor		U.S. DEPARTMENT OF LABOR EMPLOYMENT STANDARDS ADMINISTRATION WAGE AND HOUR DIVISION WASHINGTON D.C. 20210
Daniel W. Simms Director	Division of Wage Determinations	Wage Determination No.: 2015-5694 Revision No.: 12 Date Of Last Revision: 07/24/2020

Note: Under Executive Order (EO) 13658 an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Service Contract Act for which the contract is awarded (and any solicitation was issued) on or after January 1 2015. If this contract is covered by the EO the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination if it is higher) for all hours spent performing on the contract in calendar year 2020. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

States: Guam Northern Marianas Wake Island
Area: Guam Statewide
Northern Marianas Statewide
Wake Island Statewide

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I		13.57
01012 - Accounting Clerk II		15.23
01013 - Accounting Clerk III		17.04
01020 - Administrative Assistant		21.43
01035 - Court Reporter		17.40
01041 - Customer Service Representative I		11.51
01042 - Customer Service Representative II		12.94
01043 - Customer Service Representative III		14.12
01051 - Data Entry Operator I		12.15
01052 - Data Entry Operator II		13.25
01060 - Dispatcher Motor Vehicle		15.81
01070 - Document Preparation Clerk		13.85
01090 - Duplicating Machine Operator		13.85
01111 - General Clerk I		10.35
01112 - General Clerk II		11.29
01113 - General Clerk III		12.68
01120 - Housing Referral Assistant		19.39
01141 - Messenger Courier		11.37
01191 - Order Clerk I		12.57
01192 - Order Clerk II		13.71
01261 - Personnel Assistant (Employment) I		15.95
01262 - Personnel Assistant (Employment) II		17.85
01263 - Personnel Assistant (Employment) III		19.89
01270 - Production Control Clerk		21.78
01290 - Rental Clerk		11.10
01300 - Scheduler Maintenance		15.55
01311 - Secretary I		15.55
01312 - Secretary II		17.40
01313 - Secretary III		19.39
01320 - Service Order Dispatcher		14.00
01410 - Supply Technician		21.43
01420 - Survey Worker		16.79

01460 - Switchboard Operator/Receptionist	9.67
01531 - Travel Clerk I	13.01
01532 - Travel Clerk II	14.12
01533 - Travel Clerk III	15.09
01611 - Word Processor I	14.53
01612 - Word Processor II	16.31
01613 - Word Processor III	18.26
05000 - Automotive Service Occupations	
05005 - Automobile Body Repairer Fiberglass	14.82
05010 - Automotive Electrician	13.92
05040 - Automotive Glass Installer	13.02
05070 - Automotive Worker	13.02
05110 - Mobile Equipment Servicer	11.16
05130 - Motor Equipment Metal Mechanic	14.82
05160 - Motor Equipment Metal Worker	13.02
05190 - Motor Vehicle Mechanic	14.82
05220 - Motor Vehicle Mechanic Helper	10.22
05250 - Motor Vehicle Upholstery Worker	12.11
05280 - Motor Vehicle Wrecker	13.02
05310 - Painter Automotive	13.92
05340 - Radiator Repair Specialist	13.02
05370 - Tire Repairer	12.34
05400 - Transmission Repair Specialist	14.82
07000 - Food Preparation And Service Occupations	
07010 - Baker	10.47
07041 - Cook I	12.05
07042 - Cook II	14.05
07070 - Dishwasher	9.28
07130 - Food Service Worker	9.34
07210 - Meat Cutter	11.86
07260 - Waiter/Waitress	9.23
09000 - Furniture Maintenance And Repair Occupations	
09010 - Electrostatic Spray Painter	18.04
09040 - Furniture Handler	10.95
09080 - Furniture Refinisher	18.04
09090 - Furniture Refinisher Helper	13.27
09110 - Furniture Repairer Minor	15.70
09130 - Upholsterer	18.04
11000 - General Services And Support Occupations	
11030 - Cleaner Vehicles	9.35
11060 - Elevator Operator	9.35
11090 - Gardener	13.00
11122 - Housekeeping Aide	9.44
11150 - Janitor	9.44
11210 - Laborer Grounds Maintenance	9.82
11240 - Maid or Houseman	9.26
11260 - Pruner	8.79
11270 - Tractor Operator	11.90
11330 - Trail Maintenance Worker	9.82
11360 - Window Cleaner	10.54
12000 - Health Occupations	
12010 - Ambulance Driver	17.77
12011 - Breath Alcohol Technician	17.77
12012 - Certified Occupational Therapist Assistant	24.38
12015 - Certified Physical Therapist Assistant	24.38
12020 - Dental Assistant	15.02
12025 - Dental Hygienist	32.84
12030 - EKG Technician	25.99
12035 - Electroneurodiagnostic Technologist	25.99
12040 - Emergency Medical Technician	17.77

12071 - Licensed Practical Nurse I	15.88
12072 - Licensed Practical Nurse II	17.77
12073 - Licensed Practical Nurse III	19.81
12100 - Medical Assistant	12.26
12130 - Medical Laboratory Technician	18.82
12160 - Medical Record Clerk	13.61
12190 - Medical Record Technician	17.77
12195 - Medical Transcriptionist	15.88
12210 - Nuclear Medicine Technologist	39.04
12221 - Nursing Assistant I	11.34
12222 - Nursing Assistant II	12.75
12223 - Nursing Assistant III	13.91
12224 - Nursing Assistant IV	15.61
12235 - Optical Dispenser	17.77
12236 - Optical Technician	15.88
12250 - Pharmacy Technician	15.49
12280 - Phlebotomist	15.33
12305 - Radiologic Technologist	23.03
12311 - Registered Nurse I	22.53
12312 - Registered Nurse II	27.56
12313 - Registered Nurse II Specialist	27.56
12314 - Registered Nurse III	33.34
12315 - Registered Nurse III Anesthetist	33.34
12316 - Registered Nurse IV	39.96
12317 - Scheduler (Drug and Alcohol Testing)	22.01
12320 - Substance Abuse Treatment Counselor	22.01
13000 - Information And Arts Occupations	
13011 - Exhibits Specialist I	20.35
13012 - Exhibits Specialist II	25.20
13013 - Exhibits Specialist III	30.83
13041 - Illustrator I	20.35
13042 - Illustrator II	25.20
13043 - Illustrator III	30.83
13047 - Librarian	27.91
13050 - Library Aide/Clerk	16.20
13054 - Library Information Technology Systems Administrator	25.20
13058 - Library Technician	16.64
13061 - Media Specialist I	18.18
13062 - Media Specialist II	20.35
13063 - Media Specialist III	22.68
13071 - Photographer I	18.18
13072 - Photographer II	20.35
13073 - Photographer III	25.20
13074 - Photographer IV	30.83
13075 - Photographer V	37.30
13090 - Technical Order Library Clerk	20.35
13110 - Video Teleconference Technician	17.38
14000 - Information Technology Occupations	
14041 - Computer Operator I	15.71
14042 - Computer Operator II	17.22
14043 - Computer Operator III	19.19
14044 - Computer Operator IV	21.33
14045 - Computer Operator V	23.62
14071 - Computer Programmer I	(see I) 15.73
14072 - Computer Programmer II	(see I) 19.50
14073 - Computer Programmer III	(see I) 23.84
14074 - Computer Programmer IV	(see I)
14101 - Computer Systems Analyst I	(see I) 24.23
14102 - Computer Systems Analyst II	(see I)
14103 - Computer Systems Analyst III	(see I)

14150 - Peripheral Equipment Operator	15.71
14160 - Personal Computer Support Technician	21.33
14170 - System Support Specialist	21.24
15000 - Instructional Occupations	
15010 - Aircrew Training Devices Instructor (Non-Rated)	24.23
15020 - Aircrew Training Devices Instructor (Rated)	29.32
15030 - Air Crew Training Devices Instructor (Pilot)	34.91
15050 - Computer Based Training Specialist / Instructor	24.23
15060 - Educational Technologist	27.61
15070 - Flight Instructor (Pilot)	34.91
15080 - Graphic Artist	20.47
15085 - Maintenance Test Pilot Fixed Jet/Prop	34.91
15086 - Maintenance Test Pilot Rotary Wing	34.91
15088 - Non-Maintenance Test/Co-Pilot	34.91
15090 - Technical Instructor	17.67
15095 - Technical Instructor/Course Developer	21.62
15110 - Test Proctor	14.27
15120 - Tutor	14.27
16000 - Laundry Dry-Cleaning Pressing And Related Occupations	
16010 - Assembler	9.88
16030 - Counter Attendant	9.88
16040 - Dry Cleaner	11.30
16070 - Finisher Flatwork Machine	9.88
16090 - Presser Hand	9.88
16110 - Presser Machine Drycleaning	9.88
16130 - Presser Machine Shirts	9.88
16160 - Presser Machine Wearing Apparel Laundry	9.88
16190 - Sewing Machine Operator	11.94
16220 - Tailor	12.44
16250 - Washer Machine	10.36
19000 - Machine Tool Operation And Repair Occupations	
19010 - Machine-Tool Operator (Tool Room)	18.04
19040 - Tool And Die Maker	22.67
21000 - Materials Handling And Packing Occupations	
21020 - Forklift Operator	13.96
21030 - Material Coordinator	21.78
21040 - Material Expediter	21.78
21050 - Material Handling Laborer	11.37
21071 - Order Filler	9.66
21080 - Production Line Worker (Food Processing)	13.96
21110 - Shipping Packer	15.92
21130 - Shipping/Receiving Clerk	15.92
21140 - Store Worker I	14.76
21150 - Stock Clerk	20.75
21210 - Tools And Parts Attendant	13.96
21410 - Warehouse Specialist	13.96
23000 - Mechanics And Maintenance And Repair Occupations	
23010 - Aerospace Structural Welder	22.76
23019 - Aircraft Logs and Records Technician	17.70
23021 - Aircraft Mechanic I	21.67
23022 - Aircraft Mechanic II	22.76
23023 - Aircraft Mechanic III	23.91
23040 - Aircraft Mechanic Helper	15.07
23050 - Aircraft Painter	20.35
23060 - Aircraft Servicer	17.70
23070 - Aircraft Survival Flight Equipment Technician	20.35
23080 - Aircraft Worker	19.12
23091 - Aircrew Life Support Equipment (ALSE) Mechanic I	19.12
23092 - Aircrew Life Support Equipment (ALSE) Mechanic II	21.67
23110 - Appliance Mechanic	18.04

23120 - Bicycle Repairer	14.49
23125 - Cable Splicer	19.59
23130 - Carpenter Maintenance	16.07
23140 - Carpet Layer	16.86
23160 - Electrician Maintenance	18.05
23181 - Electronics Technician Maintenance I	16.86
23182 - Electronics Technician Maintenance II	18.04
23183 - Electronics Technician Maintenance III	19.55
23260 - Fabric Worker	15.70
23290 - Fire Alarm System Mechanic	15.43
23310 - Fire Extinguisher Repairer	14.49
23311 - Fuel Distribution System Mechanic	19.21
23312 - Fuel Distribution System Operator	14.49
23370 - General Maintenance Worker	11.96
23380 - Ground Support Equipment Mechanic	21.67
23381 - Ground Support Equipment Servicer	17.70
23382 - Ground Support Equipment Worker	19.12
23391 - Gunsmith I	14.49
23392 - Gunsmith II	16.86
23393 - Gunsmith III	19.21
23410 - Heating Ventilation And Air-Conditioning Mechanic	17.16
23411 - Heating Ventilation And Air Conditioning Mechanic (Research Facility)	18.25
23430 - Heavy Equipment Mechanic	18.35
23440 - Heavy Equipment Operator	17.12
23460 - Instrument Mechanic	19.21
23465 - Laboratory/Shelter Mechanic	18.04
23470 - Laborer	11.37
23510 - Locksmith	18.04
23530 - Machinery Maintenance Mechanic	23.13
23550 - Machinist Maintenance	19.21
23580 - Maintenance Trades Helper	10.67
23591 - Metrology Technician I	19.21
23592 - Metrology Technician II	20.42
23593 - Metrology Technician III	21.63
23640 - Millwright	19.21
23710 - Office Appliance Repairer	18.04
23760 - Painter Maintenance	13.95
23790 - Pipefitter Maintenance	18.39
23810 - Plumber Maintenance	17.27
23820 - Pneudraulic Systems Mechanic	19.21
23850 - Rigger	19.21
23870 - Scale Mechanic	16.86
23890 - Sheet-Metal Worker Maintenance	16.09
23910 - Small Engine Mechanic	16.86
23931 - Telecommunications Mechanic I	19.01
23932 - Telecommunications Mechanic II	19.91
23950 - Telephone Lineman	18.24
23960 - Welder Combination Maintenance	17.95
23965 - Well Driller	19.21
23970 - Woodcraft Worker	19.21
23980 - Woodworker	14.49
24000 - Personal Needs Occupations	
24550 - Case Manager	14.72
24570 - Child Care Attendant	10.09
24580 - Child Care Center Clerk	13.25
24610 - Chore Aide	11.62
24620 - Family Readiness And Support Services Coordinator	14.72
24630 - Homemaker	16.12

25000 - Plant And System Operations Occupations		
25010 - Boiler Tender		19.21
25040 - Sewage Plant Operator		21.59
25070 - Stationary Engineer		19.21
25190 - Ventilation Equipment Tender		13.27
25210 - Water Treatment Plant Operator		21.59
27000 - Protective Service Occupations		
27004 - Alarm Monitor		10.90
27007 - Baggage Inspector		9.40
27008 - Corrections Officer		12.05
27010 - Court Security Officer		12.05
27030 - Detection Dog Handler		10.90
27040 - Detention Officer		12.05
27070 - Firefighter		12.05
27101 - Guard I		9.40
27102 - Guard II		10.90
27131 - Police Officer I		12.05
27132 - Police Officer II		13.40
28000 - Recreation Occupations		
28041 - Carnival Equipment Operator		12.79
28042 - Carnival Equipment Repairer		13.97
28043 - Carnival Worker		9.45
28210 - Gate Attendant/Gate Tender		13.18
28310 - Lifeguard		11.01
28350 - Park Attendant (Aide)		14.74
28510 - Recreation Aide/Health Facility Attendant		11.84
28515 - Recreation Specialist		18.26
28630 - Sports Official		11.74
28690 - Swimming Pool Operator		17.71
29000 - Stevedoring/Longshoremen Occupational Services		
29010 - Blocker And Bracer		23.62
29020 - Hatch Tender		23.62
29030 - Line Handler		23.62
29041 - Stevedore I		21.98
29042 - Stevedore II		25.26
30000 - Technical Occupations		
30010 - Air Traffic Control Specialist Center	(HFO) (see 2)	39.89
30011 - Air Traffic Control Specialist Station	(HFO) (see 2)	27.50
30012 - Air Traffic Control Specialist Terminal	(HFO) (see 2)	30.29
30021 - Archeological Technician I		17.49
30022 - Archeological Technician II		19.56
30023 - Archeological Technician III		24.21
30030 - Cartographic Technician		23.18
30040 - Civil Engineering Technician		23.08
30051 - Cryogenic Technician I		25.57
30052 - Cryogenic Technician II		28.24
30061 - Drafter/CAD Operator I		17.49
30062 - Drafter/CAD Operator II		19.56
30063 - Drafter/CAD Operator III		20.77
30064 - Drafter/CAD Operator IV		25.57
30081 - Engineering Technician I		14.84
30082 - Engineering Technician II		16.66
30083 - Engineering Technician III		18.64
30084 - Engineering Technician IV		23.08
30085 - Engineering Technician V		28.24
30086 - Engineering Technician VI		34.16
30090 - Environmental Technician		23.08
30095 - Evidence Control Specialist		23.08
30210 - Laboratory Technician		20.77

30221 - Latent Fingerprint Technician I		25.57
30222 - Latent Fingerprint Technician II		28.24
30240 - Mathematical Technician		23.34
30361 - Paralegal/Legal Assistant I		19.44
30362 - Paralegal/Legal Assistant II		23.94
30363 - Paralegal/Legal Assistant III		29.29
30364 - Paralegal/Legal Assistant IV		35.44
30375 - Petroleum Supply Specialist		28.24
30390 - Photo-Optics Technician		21.93
30395 - Radiation Control Technician		28.24
30461 - Technical Writer I		23.08
30462 - Technical Writer II		28.24
30463 - Technical Writer III		34.16
30491 - Unexploded Ordnance (UXO) Technician I		25.35
30492 - Unexploded Ordnance (UXO) Technician II		30.67
30493 - Unexploded Ordnance (UXO) Technician III		36.76
30494 - Unexploded (UXO) Safety Escort		25.35
30495 - Unexploded (UXO) Sweep Personnel		25.35
30501 - Weather Forecaster I		25.57
30502 - Weather Forecaster II		31.09
30620 - Weather Observer Combined Upper Air Or Surface Programs	(see 2)	20.77
30621 - Weather Observer Senior	(see 2)	23.08
31000 - Transportation/Mobile Equipment Operation Occupations		
31010 - Airplane Pilot		30.67
31020 - Bus Aide		8.15
31030 - Bus Driver		9.69
31043 - Driver Courier		9.69
31260 - Parking and Lot Attendant		9.91
31290 - Shuttle Bus Driver		10.59
31310 - Taxi Driver		10.37
31361 - Truckdriver Light		10.59
31362 - Truckdriver Medium		11.61
31363 - Truckdriver Heavy		13.92
31364 - Truckdriver Tractor-Trailer		13.92
99000 - Miscellaneous Occupations		
99020 - Cabin Safety Specialist		14.95
99030 - Cashier		9.48
99050 - Desk Clerk		9.70
99095 - Embalmer		25.35
99130 - Flight Follower		25.35
99251 - Laboratory Animal Caretaker I		22.67
99252 - Laboratory Animal Caretaker II		24.77
99260 - Marketing Analyst		21.54
99310 - Mortician		25.35
99410 - Pest Controller		14.61
99510 - Photofinishing Worker		13.32
99710 - Recycling Laborer		15.75
99711 - Recycling Specialist		21.66
99730 - Refuse Collector		14.91
99810 - Sales Clerk		9.66
99820 - School Crossing Guard		16.75
99830 - Survey Party Chief		22.02
99831 - Surveying Aide		12.52
99832 - Surveying Technician		16.27
99840 - Vending Machine Attendant		22.67
99841 - Vending Machine Repairer		28.88
99842 - Vending Machine Repairer Helper		22.67

Note: Executive Order (EO) 13706 Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Service Contract Act for which the contract is awarded (and any solicitation was issued) on or after

January 1 2017. If this contract is covered by the EO the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness injury or other health-related needs including preventive care; to assist a family member (or person who is like family to the employee) who is ill injured or has other health-related needs including preventive care; or for reasons resulting from or to assist a family member (or person who is like family to the employee) who is the victim of domestic violence sexual assault or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: Life accident and health insurance plans sick leave pension plans civic and personal leave severance pay and savings and thrift plans. Minimum employer contributions costing an average of \$4.54 per hour computed on the basis of all hours worked by service employees employed on the contract.

HEALTH & WELFARE EO 13706: Minimum employer contributions costing an average of \$4.22 per hour computed on the basis of all hours worked by service employees employed on the covered contracts. *

*This rate is to be used only when compensating employees for performance on an SCA-covered contract also covered by EO 13706 Establishing Paid Sick Leave for Federal Contractors. A contractor may not receive credit toward its SCA obligations for any paid sick leave provided pursuant to EO 13706.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; and 4 weeks after 3 years. Length of service includes the whole span of continuous service with the present contractor or successor wherever employed and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of ten paid holidays per year: New Year's Day Martin Luther King Jr.'s Birthday Washington's Birthday Memorial Day Independence Day Labor Day Columbus Day Veterans' Day Thanksgiving Day and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) **COMPUTER EMPLOYEES:** Under the SCA at section 8(b) this wage determination does not apply to any employee who individually qualifies as a bona fide executive administrative or professional employee as defined in 29 C.F.R. Part 541. Because most Computer System Analysts and Computer Programmers who are compensated at a rate not less than \$27.63 (or on a salary or fee basis at a rate not less than \$455 per week) an hour would likely qualify as exempt computer professionals (29 C.F.R. 541.400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds \$27.63 per hour conformances may be necessary for certain nonexempt employees. For example if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally because job titles vary widely and change quickly in the computer industry job titles are not determinative of the application of the computer professional exemption. Therefore the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:

- (1) The application of systems analysis techniques and procedures including consulting with users to determine hardware software or system functional specifications;
- (2) The design development documentation analysis creation testing or modification of computer systems or programs including prototypes based on and related to user or system design specifications;

(3) The design documentation testing creation or modification of computer programs related to machine operating systems; or

(4) A combination of the aforementioned duties the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** HAZARDOUS PAY DIFFERENTIAL ****

An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance explosives and incendiary materials. This includes work such as screening blending dying mixing and pressing of sensitive ordnance explosives and pyrotechnic compositions such as lead azide black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization modification renovation demolition and maintenance operations on sensitive ordnance explosives and incendiary materials. All operations involving re-grading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with or in close proximity to ordnance (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands face or arms of the employee engaged in the operation irritation of the skin minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving unloading storage and hauling of ordnance explosive and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance explosives and incendiary material differential pay.

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract by the employer by the state or local law etc.) the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition where uniform cleaning and maintenance is made the responsibility of the employee all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount or the furnishing of contrary affirmative proof as to the actual cost) reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day).

However in those instances where the uniforms furnished are made of "wash and wear" materials may be routinely washed and dried with other personal garments and do not require any special treatment such as dry cleaning daily washing or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract by the contractor by law or by the nature of the work there is no requirement that employees be reimbursed for uniform maintenance costs.

**** SERVICE CONTRACT ACT DIRECTORY OF OCCUPATIONS ****

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations" Fifth Edition (Revision 1) dated September 2015 unless otherwise indicated.

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e. the work to be performed is not performed by any classification listed in the wage determination) be classified by the contractor so as to provide a reasonable relationship (i.e. appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination (See 29 CFR 4.6(b)(2)(i)). Such conforming procedures shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees (See 29 CFR 4.6(b)(2)(ii)). The Wage and Hour Division shall make a final determination of conformed classification wage rate and/or fringe benefits which shall be paid to all employees performing in the classification from the first day of work on which contract work is performed by them in the classification. Failure to pay such unlisted employees the compensation agreed upon by the interested parties and/or fully determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract. (See 29 CFR 4.6(b)(2)(v)). When multiple wage determinations are included in a contract a separate SF-1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award the contractor prepares a written report listing in order the proposed classification title(s) a Federal grade equivalency (FGE) for each proposed classification(s) job description(s) and rationale for proposed wage rate(s) including information regarding the agreement or disagreement of the authorized representative of the employees involved or where there is no authorized representative the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action together with the agency's recommendations and pertinent information including the position of the contractor and the employees to the U.S. Department of Labor Wage and Hour Division for review (See 29 CFR 4.6(b)(2)(ii)).
- 4) Within 30 days of receipt the Wage and Hour Division approves modifies or disapproves the action via transmittal to the agency contracting officer or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour Division's decision to the contractor.
- 6) Each affected employee shall be furnished by the contractor with a written copy of such determination or it shall be posted as a part of the wage determination (See 29 CFR 4.6(b)(2)(iii)).

Information required by the Regulations must be submitted on SF-1444 or bond paper.

When preparing a conformance request the ""Service Contract Act Directory of Occupations"" should be used to compare job definitions to ensure that duties requested are not performed by a classification already listed in the wage determination. Remember it is not the job title but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split combine or subdivide classifications listed in the wage determination (See 29 CFR 4.152(c)(1))."

AFFIDAVIT re NON-COLLUSION

CITY OF _____)
) ss.
ISLAND OF GUAM)

_____ [state name of affiant signing below], being first duly sworn,
deposes and says that:

1. The name of the offering company or individual is [state name of company].

2. The bid for the solicitation identified above is genuine and not collusive or a sham. The offeror has not colluded, conspired, connived or agreed, directly or indirectly, with any other offeror or person, to put in a sham bid or to refrain from making an offer. The offeror has not in any manner, directly or indirectly, sought by an agreement or collusion, or communication or conference, with any person to fix the bid price of offeror or of any other offeror, or to fix any overhead, profit or cost element of said bid price, or of that of any other offeror, or to secure any advantage against the government of Guam or any other offeror, or to secure any advantage against the government of Guam or any person interested in the bid contract. All statements in this affidavit and in the proposal are true to the best of the knowledge of the undersigned. This statement is made pursuant to 2 GAR Division 4 § 3126(b).

3. I make this statement on behalf of myself as a representative of the offeror, and on behalf of the offeror's officers, representatives, agents, subcontractors, and employees.

Signature of one of the following:
Offeror, if the offeror is an individual;
Partner, if the offeror is a partnership;
Officer, if the offeror is a corporation.

Subscribed and sworn to before me this _____ day of _____, 202__.

NOTARY PUBLIC
My commission expires, _____, _____.

AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSIONS AND CONFLICTS OF INTEREST
(Required by 5 GCA § 5233 as amended by P.L. 36-13 (4/9/2021))

CITY OF _____)
)
 ISLAND OF GUAM) SS.

Preface. As a condition of submitting a Bid/Offer/Proposal or responding to any method of source selection under Guam's Procurement Law for the purpose of entering into a contract with the government of Guam, this Affidavit requires all Bidders/Offerors/Prospective Contractors to make disclosures of ownership, influence, commissions, gratuities, kickbacks, and conflicts of interest occurring **during the 365 calendar days preceding the publication of this solicitation and until award of a contract.** This includes the duty to disclose **any changes** to the facts disclosed herein throughout the solicitation process; and if the entity submitting this Affidavit is awarded a contract, the duty to disclose **any changes** to the facts disclosed herein **continues throughout the life of the contract, including any extensions or renewals.**

A. I, the undersigned, being first duly sworn, depose and say that I am an authorized representative of the Bidder/Offeror/Prospective Contractor and that (please check and fill out all that apply):

[] The Bidder/Offeror/Prospective Contractor is an individual with a business license, and all decisions are by, and all profit is for, that same individual, with principal place of business street address being: _____

[] The Bidder/Offeror/Prospective Contractor is a business or artificial person (as defined in 1 GCA § 715 or 5 GCA §§ 5030(n) or 5233(b)), and is a sole proprietorship owned entirely (100%) by _____, with principal place of business street address being:

[] The Bidder/Offendor/Prospective Contractor is a business or artificial person (as defined in 1 GCA § 715 or 5 GCA §§ 5030(n) or 5233(b)), and is owned by the following multiple individuals. Note: owners of more than 10% are statutorily required to be listed below, but other owners of smaller percentage are encouraged to be listed as well.

Name of Owner	Principal Place of Business Street Address	% of Interest

[] One or more of the more-than-10% owners listed above is a business or artificial person. Any more-than-25% owners of such a business or artificial person are listed below per 5 GCA § 5233. Note: any less-than-25% owners of such a business or artificial person is encouraged to also be listed below.

Name of >10% Owner Business or Artificial Person:

Names of owners of the >10% Owner Business or Artificial Person ("Second Tier Owner")	Owner's Principal Place of Business Street Address	% of Interest

Name of other >10% Owner Business or Artificial Person:

Names of owners of the >10% Owner Business or Artificial Person ("Second Tier Owner")	Owner's Principal Place of Business Street Address	% of Interest

B. If any Second Tier Owner identified above is an artificial person, the natural or artificial owners of such Second Tier Owner who have held more than 49% of the shares or interest in the Bidder/Offeror/Prospective Contractor (Third Tier Owners) are as follows [if none, please so state]:

Second Tier Owner
Name _____

Name of Third Tier Owner	Principal Place of Business Street Address	% of Interest
_____	_____	_____
_____	_____	_____
_____	_____	_____

C. If the name of no natural person has been identified as an owner, or a Second or Third Tier Owner of the Bidder/Offeror/Prospective Contractor, please identify the name, position, address, and contact information of the natural person having the authority and responsibility for the Bid/Offer/Proposal/Prospective Contract, and the name of any natural person who has the authority and power to remove and replace the designated responsible person:

Name of Natural Person	Position	Street Address of Principal Place of Business	Phone Number, Email Address, and other Contact Information

D. Further, I say that the persons who have received or are entitled to receive a commission, gratuity, contingent fee or other compensation to solicit, secure, or assist in obtaining business related to the Bid/Offer/Proposal/Prospective Contract for which this Affidavit is submitted are as follows (if none, please so state):

Name	Principal Place of Business Street Address	Amount of Compensation
_____	_____	_____
_____	_____	_____
_____	_____	_____

E. Further, I say that the persons who have directly or indirectly participated in this solicitation and who are also employees of the government of Guam or the government of the United States, if federal funds are to be used in the payment of the contract related to the Bid/Offer/Proposal/Prospective Contract for which this Affidavit is submitted, are as follows (if none, please so state):

Name	Principal Place of Business Street Address
_____	_____
_____	_____

F. Regardless of any ownership interest, the following individuals have the power to control the performance of the contract or to control the Bidder/Offeror/Prospective Contractor, directly or indirectly:

Name	Principal Place of Business Street Address
_____	_____
_____	_____

G. Until award of the contract, and throughout the term of any contract awarded to the Bidder/Offeror/Prospective Contractor represented herein, I agree to promptly make any disclosures not made previously and update changes in ownership, identities of owners and other required information, interests, compensation or conflicts of the persons required to be disclosed. I understand that failure to comply with this requirement shall constitute a material breach of contract.

H. I hereby declare under penalty of perjury under the laws of Guam that the foregoing is true and correct.

Executed on: _____(date)

Signature of one of the following:
Bidder/Offeror/Prospective Contractor, if a licensed
individual Owner of sole proprietorship
Bidder/Offeror/Prospective Contractor
Partner, if the Bidder/Offeror/Prospective Contractor is a
partnership Officer, if the Bidder/Offeror/Prospective
Contractor is a corporation

Subscribed and sworn to before me
This _____ day of _____, 20_____.

Notary Public
My commission expires: _____

AFFIDAVIT re CONTINGENT FEES

CITY OF _____)
) ss.
ISLAND OF GUAM)

_____ [state name of affiant signing below], being first sworn, deposes
and says that:

1. The name of the offering company or individual is [state name of company]

2. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. This statement is made pursuant to 2 GAR Division 4 § 11108(f).

3. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained a person to solicit or secure a contract with the government of Guam upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business. This statement is made pursuant to 2 GAR Division 4 § 11108(f).

4. I make these statements on behalf of myself as a representative of the offeror, and on behalf of the offeror's officers, representatives, agents, subcontractors, and employees.

Signature of one of the following:
Offeror, if the offeror is an individual;
Partner, if the offeror is a partnership;
Officer, if the offeror is a corporation.

Subscribed and sworn to before me this _____ day of _____, 202__.

NOTARY PUBLIC
My commission expires, _____

GOVERNMENT OF GUAM

GENERAL SERVICES AGENCY
148 Route 1, Marine Corp. Drive
Piti, Guam 96915

BID BOND

NO. GSA-081-22

KNOW ALL MEN BY THESE PRESENTS that _____, as Principal hereinafter called the Principal, and (Bonding Company), _____ A duly admitted insurer under the laws of the Territory of Guam, as Surety, hereinafter called the Surety are Held firmly bound unto the Territory of Guam for the sum of _____ Dollars (\$_____), for Payment of which sum will and truly to be made, the said Principal and the said Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for (identify project by number and brief description)

NOW, THEREFORE, if the Territory of Guam shall accept the bid of the Principal and the Principal shall enter into a Contract with the Territory of Guam in accordance with the terms of such bid, and give such bond or bonds as may be specified in bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Territory of Guam the difference not to exceed the penalty hereof between the amounts specified in said bid and such larger amount for which the Territory of Guam may in good faith contract with another party to perform work covered by said bid or an appropriate liquidated amount as specified in the Invitation for Bids then this obligation shall be null and void, otherwise to remain full force and effect.

Signed and sealed this _____ day of _____ 202__.

(PRINCIPAL) (SEAL)

(WITNESS)

(TITLE)

(MAJOR OFFICER OF SURETY)

(TITLE)

(MAJOR OFFICER OF SURETY)

(TITLE)

(RESIDENT GENERAL AGENT)

INSTRUCTION TO PROVIDERS:

NOTICE to all Insurance and Bonding Institutions:

The Bond requires the signatures of the Vendor, two (2) major Officers of the Surety and Resident General Agent, if the Surety is a foreign or alien surety.

When the form is submitted to General Services Agency, it should be accompanied with copies of The following:

1. Current Certificate of Authority to do business on Guam issued by the Department of Revenue and Taxation.
2. Power of Attorney issued by the Surety to the Resident General Agent.
3. Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.

Bonds, submitted as Bid Guarantee, without signatures and supporting documents are invalid and Bids will be rejected.

**GOVERNMENT OF GUAM
GENERAL TERMS AND CONDITIONS**

SEALED BID SOLICITATION AND AWARD

Only those Boxes checked below are applicable to this bid.

- [X] 1. **AUTHORITY:** This solicitation is issued subject to all the provision of the Guam Procurement Act (5GCA, Chapter 5) and the Guam Procurement Regulations (copies of both are available at the Office of the Complier of laws, Department of Law, copies available for inspection at General Services Agency). It requires all parties involved in the Preparation, negotiation, performance, or administration of contracts to act in good faith.
- [X] 2. **GENERAL INTENTION:** Unless otherwise specified, it is the declared and acknowledged intention and meaning of these General Terms and conditions for the bidder to provide the Government of Guam (Government) with specified services or with materials, supplies or equipment completely assembled and ready for use.
- [X] 3. **TAXES:** Bidders are cautioned that they are subject to Guam Income Taxes as well as all other taxes on Guam Transactions. Specific information on taxes may be obtained from the Director of Revenue and Taxation.
- [X] 4. **LICENSING:** Bidders are cautioned that the Government will not consider for award any offer submitted by a bidder who has not complied with the Guam Licensing Law. Specific information on licenses may be obtained from the Director of Revenue and Taxation.
- [] 5. **LOCAL PROCUREMENT PREFERENCE:** All procurement of supplies and services where possible, will be made from among businesses licensed to do business on Guam in accordance with section 5008 of the Guam Procurement Act (5GCA, Chapter 5) and Section 1-104 of the Guam Procurement Regulations.
- [X] 6. **COMPLIANCE WITH SPECIFICATIONS AND OTHER SOLICITATION REQUIREMENTS:**
Bidders shall comply with all specifications and other requirements of the Solicitation.
- [X] 7. **“ALL OR NONE” BIDS:** NOTE: By checking this item, the Government is requesting all of the bid items to be bided or none at all.
The Government will not award on an itemized basis.
- [X] 8. **INDEPENDENT PRICE DETERMINATION:** The bidder, upon signing the Invitation for Bid, certifies that the prices in his bid were derived at without collusion, and acknowledge that collusion and anti-competitive practices are prohibited by law. Violations will be subject to the provision of Section 5651 of the Guam Procurement Act. Other existing civil, criminal or administrative remedies are not impaired and may be in addition to the remedies in Section 5651 of the Government code.
- [X] 9. **BIDDER’S PRICE:** The Government will consider not more than two (2) (Basic and Alternate) item prices and the bidder shall explain fully each price if supplies, materials, equipment, and/or specified services offered comply with specifications and the products origin. Where basic or alternate bid meets the minimum required specification, cost and other factors will be considered. Failure to explain this requirement will result in rejection of the bid.
- [X] 10. **BID ENVELOPE:** Envelope shall be sealed and marked with the bidder’s name, Bid number, time, date and place of Bid Opening.
- [X] 11. **BID GUARANTEE REQUIREMENT:** Bidder is required to submit a Bid Guarantee Bond or standby irrevocable Letter of Credit or Certified Check or Cashier’s Check in the same bid envelope to be held by the Government pending award. The Bid Guarantee Bond, Letter of Credit, Certified Check or Cashier’s Check must be issued by any local surety or banking institution licensed to do business on Guam and made payable to the Treasure of Guam in the amount of fifteen percent (15%) of his highest total bid offer. The Bid Bond must be submitted on Government Standard Form BB-1 (copy enclosed). Personal Checks will not be accepted as Bid Guarantee. If a successful Bidder (contractor) withdraws from the bid or fails to enter into contract within the prescribed time, such Bid guarantee will be forfeited to the Government of Guam. Bids will be disqualified if not accompanied by Bid Bond, Letter of Credit, Certified Check or Cashier’s check. Bidder must include in his/her bid, valid copies of a Power of Attorney from the Surety and a Certificate of Authority from the Government of Guam to show proof that the surety company named on the bond instrument is authorized by the Government of Guam and qualified to do business on Guam. For detailed information on bonding matters, contact the Department of Revenue and Taxation. Failure to submit a valid Power of Attorney and Certificate of Authority on the surety is cause for rejection of bid. Pursuant to 5 GCA § 5212, all competitive sealed bidding for the procurement of supplies or services exceeding \$25,000.00 a 15% Bid Security of the total bid price must accompany the bid package. The bid bond, Letter of Credit, Certified Check or Cashier’s Check will serve as Bid Security for this procurement.
- [X] 12. **PERFORMANCE GUARANTEE:** Bidders who are awarded a contract under this solicitation, guarantee that goods will be delivered or required services performed within the time specified. Failure to perform the contract in a satisfactory manner may be cause for suspension or debarment from doing business with the Government of Guam. In addition, the Government will hold the Vendor liable and will enforce the requirements as set forth in Section 41 of these General Terms and Conditions.
- [X] 13. **SURETY BONDS:** Bid and Bid Bonds coverage must be signed or countersigned in Guam by a foreign or alien surety’s resident general agent. The surety must be an Insurance Company, authorized by the government of Guam and qualified to do business in Guam. Bids will be disqualified if the Surety Company does not have a valid Certificate of Authority from the Government of Guam to conduct business in Guam.
- [X] 14. **COMPETENCY OF BIDDERS:** Bids will be considered only from the bidders who, in the opinion of the Government, can show evidence of their ability, experience, equipment, and facilities to render satisfactory service.
- [X] 15. **DETERMINATION OF RESPONSIBILITY OF BIDDERS:** The Chief Procurement Officer reserves the right for securing from bidders information to determine whether or not they are responsible and to inspect plant site, place of business; and supplies and services as necessary to determine their responsibility in accordance with Section 16 of these General Terms and Conditions.
(2 GAR, Div. 4 § 3116)

[X] 16. STANDARD FOR DETERMINATION OF LOWEST RESPONSIBLE BIDDER:

In determining the lowest responsible offer, the Chief Procurement Officer shall be guided by the following:

- a) Price of items offered.
- b) The ability, capacity, and skill of the Bidder to perform.
- c) Whether the Bidder can perform promptly or within the specified time.
- d) The quality of performance of the Bidder with regards to awards previously made to him.
- e) The previous and existing compliance by the Bidder with laws and regulations relative to procurement.
- f) The sufficiency of the financial resources and ability of the Bidder to perform.
- g) The ability of the bidder to provide future maintenance and services for the subject of the award.
- h) The compliance with all of the conditions to the Solicitation.
- i) In addition to page 37 under Award of Contract.

[X] 17. TIE BIDS: If the bids are for the same unit price or total amount in the whole or in part, the Chief Procurement Officer will determine award based on 2 GAR, Div. 4, § 3109(o) (2) or to reject all such bids.

[] 18. BRAND NAMES: Any reference in the Solicitation to manufacturer's Brand Names and number is due to lack of a satisfactory specification of commodity description. Such preference is intended to be descriptive, but not restrictive and for the sole purpose of indicating prospective bidders a description of the article or services that will be satisfactory. Bids on comparable items will be considered provided the bidder clearly states in his bid the exact articles he is offering and how it differs from the original specification.

[X] 19. DESCRIPTIVE LITERATURE: Descriptive literature(s) as specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for opening Bids. The literature furnished must clearly identify the item(s) in the Bid. The descriptive literature is required to establish, for the purpose of evaluation and award, details of the product(s) the bidder proposes to furnish including design, materials, components, performance characteristics, methods of manufacture, construction, assembly or other characteristics which are considered appropriate. Rejection of the Bid will be required if the descriptive literature(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the descriptive literature(s) by the time specified in the Solicitation will require rejection of the bid.

[] 20. SAMPLES: Sample(s) of item(s) as specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for opening Bids. The sample(s) should represent exactly what the bidder proposes to furnish and will be used to determine if the item(s) offered complies with the specifications. Rejection of the Bid will be required if the sample(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the sample(s) by the time specified in the Solicitation will require rejection of the Bid.

[] 21. LABORATORY TEST: Successful bidder is required to accompany delivery of his goods with a Laboratory Test Report indicating that the product he is furnishing the Government meets with the specifications. This report is on the bidder's account and must be from a certified Testing Association.

[X] 22. AWARD, CANCELLATION, & REJECTION: Award shall be made to the lowest responsible and responsive bidder, whose bid is determined to be the most advantageous to the Government, taking into consideration the evaluation factors set forth in this solicitation. No other factors or criteria shall be used in the evaluation. The right is reserved as the interest of the Government may require to waive any minor irregularity in bid received. The Chief Procurement Officer shall have the authority to award, cancel, or reject bids, in whole or in part for any one or more items if he determines it is in the public interest. Award issued to the lowest responsible bidder within the specified time for acceptance as indicated in the solicitation, results in a bidding contract without further action by either party. In case of an error in the extension of prices, unit price will govern. The Government reserves the right to increase or decrease the quantity of the items for award and make additional awards for the same type items and the vendor agrees to such modifications and additional awards based on the bid prices for a period of one (1) year after original award. No award shall be made under this solicitation which shall require advance payment or irrevocable letter of credit from the government (2 GAR, Div.4 §1103).

[X] 23. MARKING: Each outside container shall be marked with the Purchase Order number, item number, brief item description and quantity. Letter marking shall not be less than 3/4" in height.

[X] 24. SCHEDULE FOR DELIVERY: Successful bidder shall notify the Department of Public Works/General Services Agency, Telephone Nos. 646-3139 DPW / GSA 475-1707 or 475-713, at least twenty-four (24) hours before delivery of any item under this solicitation.

[X] 25. BILL OF SALE: Successful supplier shall render Bills of Sale for each item delivered under this contract. Failure to comply with this requirement will result in rejection of delivery. The Bill of Sale must accompany the items delivered but will not be considered as an invoice for payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.

[X] 26. MANUFACTURER'S CERTIFICATE: Successful bidder is required, upon delivery of any item under this contract, to furnish a certificate from the manufacturer indication that the goods meet the specifications. Failure to comply with this request will result in rejection of delivery payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.

[X] 27. INSPECTION: All supplies, materials, equipment, or services delivered under this contract shall be subject to the inspection and/or test conducted by the Government at destination. If in any case the supplies, materials, equipment, or services are found to be defective in material, workmanship, performance, or otherwise do not conform with the specifications, the Government shall have the right to reject the items or require that they be corrected. The number of days required for correction will be determined by the Government.

[X] 28. MOTOR VEHICLE SAFETY REQUIREMENTS: The Government will only consider Bids on motor vehicles which comply with the requirements of the National Traffic and Motor Vehicle safety Act of 1966 (Public Law 89-563) and Clean Air Act as amended (Public Law 88-206), that are applicable to Guam. Bidders shall state if the equipment offered comply with these aforementioned Federal Laws.

- [X] 29. **SAFETY INSPECTION:** All motor vehicles delivered under this contract must pass the Government of Guam Vehicle Inspection before delivery at destination.
- [X] 30. **GUARANTEE:**
- a. Guarantee of Vehicle Type of Equipment:**
The successful bidder shall guarantee vehicular type of equipment offered against defective parts, workmanship, and performance, for a period of not less than one (1) year after date of receipt of equipment. Bidder shall also provide service to the equipment for at least one (1) year. Service to be provided shall include, but will not be limited to tune ups (change of spark plugs, contact points and condensers) and lubrication (change of engine and transmission oil). All parts and labor shall be at the expense of the bidder. All parts found defective and not caused by misuse, negligence or accident within the guarantee period shall be repaired, replaced, or adjusted within six (6) working days after notice from the Government and without cost to the Government. Vehicular type of equipment as used in this context shall include equipment used for transportation as differentiated from tractors, backhoes, etc.
- (b) Guarantee of Other Type of Equipment:**
The successful bidder shall guarantee all other types of equipment offered, except those mentioned in 30a, above, against defective parts, workmanship, and performance for a period of not less than three (3) months after date of receipt of equipment. Bidder shall also provide service to the equipment for at least three (3) months. All parts found defective within that period shall be repaired or replaced by the Contractor without cost to the Government. Repairs, adjustments or replacements of defective parts shall be completed by the contractor within six (6) working days after notice from the Government.
- (c) Compliance with this Section is a condition of this Bid.**
- [X] 31. **REPRESENTATION REGARDING ETHICS IN PUBLIC PROCUREMENT:** The bidder or contractor represents that it has not knowingly influenced and promises that it will not knowingly influence a Government employee to breach any of the ethical standards and represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities and kickbacks set forth on Chapter 11 (Ethics in Public Contracting) of the Guam Procurement Act and in Chapter 11 of the Guam Procurement Regulations.
- [X] 32. **REPRESENTATION REGARDING CONTINGENT FEES:** The contractor represents that it has not retained a person to solicit or secure a Government contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business (GPR Section 11-207).
- [X] 33. **EQUAL EMPLOYMENT OPPORTUNITY:** Contractors shall not discriminate against any employee or applicant of employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that employees are treated equally during employment without regards to their race, color, religion, sex, or national origin.
- [X] 34. **COMPLIANCE WITH LAWS:** Bidders awarded a contract under this Solicitation shall comply with the applicable standard, provisions, and stipulations of all pertinent Federal and/or local laws, rules, and regulations relative to the performance of this contract and the furnishing of goods.
- [] 35. **CHANGE ORDER:** Any order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-03.1 of the Guam Procurement Regulations.
- [X] 36. **STOP WORK ORDER:** Any stop work order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-04.1 of the Guam Procurement Regulations.
- [X] 37. **CANCELLATION OF INVITATION FOR BIDS OR REQUEST FOR PROPOSALS:** Any Invitation for Bid may be cancelled, or any or all bids or proposals may be rejected in whole or in part as may be specified in the solicitation, when it is in the best interests of the Territory in accordance with regulations promulgated by the Policy Office. The reasons therefor shall be made part of the contract file.
- [X] 38. **TIME FOR COMPLETION:** It is hereby understood and mutually agreed by and between the contractor and the Government that the time for delivery to final destination or the timely performance of certain services is an essential condition of this contract. If the contractor refuses or fails to perform any of the provisions of this contract within the time specified in the Purchase Order (from the date Purchase Order is acknowledged by vendor), then the contractor is in default. Defaults will be treated subject to and in accordance with the provisions of 2 GAR, Div. 4 § 6101(8).
- [X] 39. **JUSTIFICATION OF DELAY:** Bidders who are awarded contracts under this Solicitation, guarantee that the goods will be delivered to their destination or required services rendered within the time specified. If the bidder is not able to meet the specified delivery date, he is required to notify the Chief Procurement Officer of such delay. Notification shall be in writing and shall be received by the Chief Procurement Officer at least twenty-four (24) hours before the specified delivery date. Notification of delay shall include an explanation of the causes and reasons for the delay including statement(s) from supplier or shipping company causing the delay. The Government reserves the right to reject delay justification if, in the opinion of the Chief Procurement Officer, such justification is not adequate.

- [X] 40. **SERVICE-DISABLED VETERAN OWNED BUSINESS PREFERENCE:** Bidding is subject to the policy in favor of Service-Disabled Veteran Owned Business as defined in 5 GCA sections 5011 and 5012.
- [X] 41. **LIQUIDATED DAMAGES:** When the contractor is given notice of delay or nonperformance as specified in Paragraph 1 (Default) of the Termination for Default Clause of this contract and fails to cure in the time specified, the contractor shall be liable for damages for delay in the amount of one-fourth of one percent (1%) of outstanding order per calendar day from date set for cure until either the territory reasonable obtains similar supplies or services if the contractor is terminated for default, or until the contractor provides the supplies or services if the contractor is not terminated for default. To the extent that the contractor's delay or non-performance is excused under Paragraph 15 (Excuse for Nonperformance or Delayed Performance) of the Termination for Default Clause of this contract, liquidated damages shall not be due the territory. The contractor remains liable for damages caused other than by delay. **2 GAR, Div. 4 §6101(d).**
- [X] 42. **PHYSICAL LIABILITY:** If it becomes necessary for the Vendor, either as principal, agent or employee, to enter upon the premises or property of the Government of Guam in order to construct, erect, inspect, make delivery or remove property hereunder, the Vendor hereby covenants and agrees to take, use, provide and make all proper, necessary and sufficient precautions, safeguards and protections against the occurrence of any accidents, injuries or damages to any person or property during the progress of the work herein covered, and to be responsible for, and to indemnify and save harmless the Government of Guam from the payment of all sums of money by reason of all or any such accidents, injuries or damages that may occur upon or about such work, and fines, penalties and loss incurred for or by reasons of the violations of any territorial ordinance, regulations, or the laws of Guam or the United States, while the work is in progress. Contractor will carry insurance to indemnify the Government of Guam against any claim for loss, damage or injury to property or persons arising out of the performance of the Contractor or his employees and agents of the services covered by the contract and the use, misuse or failure of any equipment used by the contractor or his employees or agents, and shall provide certificates of such insurance to the Government of Guam when required.
- [X] 43. Contract will be cancelled if funds not appropriated or insufficient, and that government will timely inform contractor. **2 GAR, Div.4 §3121(e) (1) (C) and 2 GAR, Div.4 § 3121(e)(1)(D).**
- [X] 44. If cancelled, contractor will be reimbursed unamortized reasonably incurred non-recurring costs. **2 GAR, Div.4 § 3121(e) (1) (G).**
- [X] 45. **CONTACT FOR CONTRACT ADMINISTRATION:** If your firm receives a contract as a result of this Solicitation, please designate a person whom we may contact for prompt administration.

Name: _____	Title: _____
Address: _____	Telephone: _____

GOVERNMENT OF GUAM

SEALED BID SOLICITATION INSTRUCTIONS

1. **BID FORMS:** Each bidder shall be provided with one (1) Solicitation form. Additional copies may be provided upon request. Bidders requesting additional copies of said forms will be charged per page in accordance with 5 GCA § 10203 of the Government Code of Guam. All payments for this purpose shall be by cash, certified check or money order and shall be made payable to the General Services Agency (EO 86-24).
2. **PREPARATIONS OF BIDS:**
 - a) Bidders are required to examine the drawings, specifications, schedule, and all instructions. Failure to do so will be at bidder's risk.
 - b) Each bidder shall furnish the information required by the Solicitation. The bidder shall sign the solicitation and print or type his name on the Schedule. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent are to be accompanied by evidence of this authority unless such evidence has been previously furnished to the issuing office.
 - c) Unit price for each unit offered shall be shown and such price shall include packing unless otherwise specified. A total shall be entered in the amount column of the Schedule for each item offered. In case of discrepancies between a unit price and extended price, the unit price will be presumed to be correct.
 - d) Bids for supplies or services other than those specified will not be considered. Time, if stated as a number of days, means calendar days and will include Saturdays, Sundays, and holidays beginning the day after the issuance of a Notice to Proceed. Time stated ending on a Saturday, Sunday or Government of Guam legal holiday will end at the close of the next business day.
 - e) No Entitlement To Preparation Costs – the bidder expressly waives any right it may have against the government for any expenses incurred in connection with the preparation of its bid.
3. **EXPLANATION TO BIDDERS:** Any explanation desired by a bidder regarding the meaning or interpretation of the Solicitation, drawings, specifications, etc., must be submitted in writing and with sufficient time allowed for a written reply to reach all bidders before the submission of their bids. Oral explanations or instructions given before the award of the contract will not be binding until or unless such statements are memorialized in writing and distributed to registered prospective bidders. Any information given to a prospective bidder concerning a Solicitation will be furnished to all prospective bidders in writing as an amendment to the Solicitation if such information would be prejudicial to informed bidders.
4. **PRE-OPENING MODIFICATION OR WITHDRAWAL OF BIDS:** Bids may be modified or withdrawn by written notice received by the Government entity designated in the Invitation for Bid (IFB) prior to the due date. A telegraphic modification or withdrawal received by telephone from the receiving telegraph company office prior to the time and date of set for submission/opening will be effective if the telegraph company confirms the telephone message by sending a written copy of the telegram showing that the message was received at such office prior to the due date.
5. **ACKNOWLEDGEMENT OF AMENDMENTS TO SOLICITATIONS:** Receipt of an amendment to a Solicitation by a bidder must be acknowledged by signing an acknowledgement of receipt of the amendment. Such acknowledgement must be received prior to the hour and date specified for receipt of bids.
6. **SUBMISSION OF BIDS:**
 - a) Bids and modifications thereof shall be enclosed in sealed envelopes and addressed to the office specified in the Solicitation. The bidder shall show the hour and date specified in the Solicitation for receipt, the Solicitation number, and the name and address of the bidder on the face of the envelope.
 - b) Telegraphic bids will not be considered unless authorized by the Solicitation. However, bids may be modified or withdrawn by written or telegraphic notice, provided such notice is received prior to the hour and date specified for receipt (see paragraph 6 of these instructions).
 - c) Samples of items, when required, must be submitted within the time specified, unless otherwise specified by the Government, at no expense to the Government. If not destroyed by testing, samples will be returned at bidder's request and expense, unless otherwise specified by the Solicitation.
 - d) Regardless of any Attempt by a bidder to condition the bid, unsolicited samples or descriptive literature will not be examined or tested at the bidder's risk, and will not be deemed to vary any of the provisions of this Solicitation.
7. **FAILURE TO SUBMIT BID:** If no bid is to be submitted, do not return the solicitation unless otherwise specified. A letter or postcard shall be sent to the issuing office advising whether future Solicitations for the type of supplies or services covered by this Solicitation are desired.
8. **LATE BID, LATE WITHDRAWALS, AND LATE MODIFICATIONS:**
 - a) Definition: Any bid received after the time and date set for receipt of bids is late. Any withdrawal or modification of a bid received after the time and date set for opening of bids at the place designated for opening is late (Guam Procurement Regulations 2 GAR, Div.4 §3109(k)).
 - b) Treatment: No late bid, late modification, or late withdrawal will be considered unless received before contract award, and the bid, modification, or withdrawal would have been timely but for the action or inaction of territorial personnel directly serving the procurement activity.

9 **CANCELLATION OR REVISION OF BID:** This IFB may be canceled, or any and all bids may be rejected in whole or in part as may be pursuant to GAR § 3115, when it is in the best interest of the Government. Additionally, in accordance with GAR § 9105, if prior to award it is determined that a solicitation or proposed award of a contract is in violation of the law, then the solicitation or proposed award shall be canceled or revised to comply with the law. The reasons therefore shall be made part of the contract file.

10 **REJECTION OF BIDS:** Any bid submitted in response to this IFB may be rejected in whole or in part with it is in the best interest of the Government, in accordance with GAR § 3115(e). Reasons for rejecting bids include but are not limited to: (1) The business that submitted the bids is non-responsive as determined under GAR § 3116; (2) The bid ultimately fails to meet the announced requirements of the Government in some material respect; or (3) The bid price is clearly unreasonable. Upon request, unsuccessful bidders shall be advised of the reasons for rejection.

When bids are rejected, or a solicitation canceled after bids are received, the bids which have been opened shall be retained in the procurement file, or if unopened, returned to the bidders upon request, or otherwise disposed of pursuant to GAR § 3115(g).

11. **TERMINATION OF CONTRACT:** 1. TERMINATION OF CONVENIENCE PURSUANT TO GAR § 6101(10)

(a) Termination: The Government, when the interest of the Government so requires, may terminate this contract in whole or in part, for the Convenience of the Government. The Purchasing Agency shall give written notice of the termination to the contractor specifying the part of the contract terminated and when termination becomes effective.

(b) Contractor's Obligations: The contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination the contractor will stop work to the extent specified.

(c) Condition of Termination: Notwithstanding the foregoing, the cessation of services for people requiring services shall be contingent upon the Government obtaining a substitute provider for the services and the contractor shall cooperate by taking all reasonable and necessary steps to ensure that services are not interrupted and transferred to the succeeding provider. The contractor shall issue a written memorandum detailing the status of the contractor's ongoing services initiating termination or any fault of either party.

12. **MANDATORY DISPUTES RESOLUTION CLAUSE:** In the event of a conflict between this "Mandatory Disputes Resolution Clause" and any other terms in this contract, it is the intent of the government of Guam and the contractor that the terms of this clause are to be given precedence.

(1) Disputes – Contractual Controversies. The government of Guam and the contractor agree to attempt resolution of all controversies which arise under, or are by virtue of, this contract through mutual agreement. If the controversy is not resolved by mutual agreement, then the contractor shall request the head of the purchasing agency, or their designee, in writing to issue a final decision within sixty days after receipt of the written request in keeping with 5 GCA § 5427(c). The head of the purchasing agency or their designee shall immediately furnish a copy of the decision to the contractor, by certified mail with a return receipt requested, or by any other method that provides evidence of receipt.

(2) Absence of a Written Decision within Sixty Days. If the head of the purchasing agency, or their designee does not issue a written decision within sixty days after written request for a final decision, or within such longer period as may be agreed upon by the parties, then the contractor may proceed as though the head of the purchasing agency, or their designee had issued a decision adverse to the contractor.

(3) Appeals to the Office of Public Accountability. The head of the purchasing agency, or their designee's decision shall be final and conclusive, unless fraudulent or unless the contractor appeals the decision administratively to the Public Auditor in accordance with 5 GCA § 5706.

(4) Disputes – Money Owed To or By the Government of Guam. This subsection applies to appeals of the government of Guam's decision on a dispute. For money owed by or to the government of Guam under this contract, the contractor shall appeal the decision in accordance with the "Governments Claims Act", 5 GCA § 6101 et. Seq., by initially filing a claim with the Office of the Attorney General no later than eighteen months after the decision is rendered by the government of Guam or from the date when a decision should have been rendered. For all other claims by or against the government of Guam arising under this contract, the Office of the Public Auditor has jurisdiction over the appeal from the decision of the government of Guam. Appeals to the Office of the Public Auditor must be made within sixty days of government of Guam's decision or from the date the decision should have been made.

(5) Exhaustion of Administrative Remedies. The contractor shall exhaust all administrative remedies before filing an action in the Superior Court of Guam in accordance with applicable laws.

(6) Performance of Contract Pending Final Resolution by the Court. The contractor shall comply with the government of Guam's decision and proceed diligently with performance of this contract pending final resolution by the Superior Court of Guam of any controversy arising under, or by virtue of, this contract, except where the contractor claims a material breach of this contract by the government of Guam. However, if the head of the purchasing agency determines in writing that continuation of services under this contract is essential to the public's health or safety, then the contractor shall proceed diligently with performance of the contract notwithstanding any claim of material breach by the government of Guam.

13. **CONTRACT REMEDIES:** Remedies pursuant to 2 GAR § 9101. Any dispute arising under or out of this contract is subject to the provisions of Chapter 9 (Legal and Contractual Remedies) of Guam Procurement Regulations (GAR chapter 9)

DISCOUNTS:

a) Notwithstanding the fact that prompt payment discounts may be offered, such offer will not be considered in evaluating bids for award unless otherwise specified in the Solicitation. However, offered discounts will be taken if payment is made within the discount period, even though not considered in the evaluation of bids.

- b) In connection with any discount offered, time will be computed from date of delivery and acceptance of the supplies to the destination as indicated in the purchase order or contract. Payment is deemed to be made for the purpose of earning the discount on the date of mailing of the Government check.
14. **GOVERNMENT FURNISHED PROPERTY:** No material, labor or facilities will be furnished by the Government unless otherwise provided for in the Solicitation.
15. **SELLER' INVOICES:** Invoices shall be prepared and submitted in quadruplicate (one copy shall be marked "original") unless otherwise specified. Invoices shall be "certified true and correct" and shall contain the following information: Contract and order number (if any), item numbers, description of supplies or services, sizes, quantities, unit prices, and extended total. Bill of lading number and weight of shipment will be shown for shipments made on Government bills of lading.
16. **RECEIPT, OPENING AND RECORDING OF BIDS:** Bids and modifications shall be publicly opened in the presence of one or more witnesses, at the time, date, and place designated in the Invitation for Bids. The name of each bidder, the bid price, and such other information as is deemed appropriate by the Procurement Officer, shall be read aloud and recorded, or otherwise made available. The names and addresses of required witnesses shall be recorded at the opening. The opened bids shall be available for public inspection except to the extent the bidder designates trade secrets or other proprietary data to be confidential as set forth in accordance with Section 12, below. Material so designated shall accompany the bid and shall be readily separable from the bid in order to facilitate public inspection of the non-confidential portion of the bid. Prices, makes and models or catalogue numbers of the items offered, deliveries, and terms of payment shall be publicly available at the time of bid opening regardless of any designation to the contrary (Guam Procurement Regulations 2 GAR, Div.4 §3109(k)).
17. **CONFIDENTIAL DATA:** If a bidder considers any information submitted in its bid to be confidential, the bidder must identify in writing to the Government those portions which it considers confidential, and must request in writing that those portions be kept confidential. Only trade secrets and proprietary data will be considered confidential. If there is a request for confidentiality, the Government will render a decision on the request as soon as practicable after bids are opened. The Government will advise any bidder requesting confidentiality, of the Government's decision in writing. If the Government does not agree with a bidder's request, then the Government will inform the bidder that it may lodge a protest regarding any part of the Government's decision by following the procedure for protests outlined in Chapter 9 of the Guam Procurement Regulations.
18. **PROHIBITION AGAINST GRATUITIES AND KICKBACKS:** With respect to this procurement and any other contract that bidder may have or wish to enter into with the Government, the bidder represents that he/she has not violated, is not violating, and promises that he will not violate the prohibition against gratuities and kickbacks set forth in the Guam Procurement Regulations - GAR § 11170(e)
19. **STATEMENT OF QUALIFICATIONS:** The ability capacity and skill of the Bidders to perform; Whether the bidder can perform promptly or within the specified time; The quality of performance of the Bidder with regards to awards previously made to him; The sufficiency of the financial resources and ability of the bidders to perform; And the compliance with all of the conditions to the solicitation.
20. **WAGE AND BENEFIT COMPLIANCE-CONTRACTORS PROVIDING SERVICES:**
- (a) Contractor with regard to all person its employs whose purpose in whole or in part is the direct delivery of services contracted for with the Government of Guam in this procurement, shall pay such employees in accordance with the Wage Determination for Guam and the Northern Marianas Islands issued and promulgated by the U.S. Department of Labor for such labor as is employed in the direct deliverance of deliverables to the government of Guam. 5 GCA § 5801 Contractor shall be responsible for flowing down this obligation to its subcontractors.
- (b) The Wage Determination most recently issued by the U.S. Department of Labor at the time this Agreement was awarded to Contractor shall be used to determine wages and benefits which shall be paid to employees pursuant to this clause. 5 GCA § 5801
- (c) Should any contract contain a renewal clause, then at the time of renewal adjustments there shall be stipulations contained in that contract for applying the Wage Determination, so that the Wage Determination promulgated by the U.S Department of Labor on a date most recent to the renewal date shall apply. 5 GCA § 5801
- (d) In addition to the Wage Determination detailed above, health and similar benefits for employees having a minimum value as detailed in the wage Determination issued and promulgated by the U.S. Department of Labor shall apply. Contractor shall pay a minimum of ten (10) paid holidays per annum per employee. 5 GCA § 5802
- Any violation of Contractor or its subcontractors obligations of this section shall be investigated by the Guam Department of Labor and may include a monetary penalty assessment by the Guam Department of Labor of no less than One Hundred Dollars (\$100.00) per day, and no more than One Thousand Dollars (\$1,000.00) per day, until such time as a violation has been corrected, as well as the payment of all back wages and benefits due. 5 GCA § 5803
- (f) In addition to any and all other breach of contract actions the Government of Guam may have under this procurement, in the event there is a violation in the process set forth in subsection (e) above, Contractor may be placed on probationary status by the Chief Procurement Officer of the General Service Agency, or its successor, for a period of one (1) year.
- During the probationary status, a Contractor shall not be awarded any contract by any instrumentality of the Government of Guam. A Contractor who has been placed on probationary status, or has been assessed a monetary penalty pursuant to 5 G.C.A. Article 13 Title 5 may appeal such penalty or probationary status to the Superior Court of Guam. 5 GCA § 5804
- (g) Contractor along with all proposed offerors and submitter under this procurement were required to submit a Declaration of Compliance with Wage Determination laws as part of this procurement with a copy of the most recent Wage Determination for Guam and the Northern Marianas Islands issued and promulgated by the U.S. Department of Labor. 5 GCA §5805
- (h) The applicable USDOL Wage Determination Rate Revision (as defined by subsections (b) and (c)) is to this Agreement. Contractor agrees to provide upon written request by the Government of Guam written certification of its compliance with its obligations as part of each invoice, along with the names of any employees, their positions, and detailed wage and benefits paid in keeping with this section. Additionally upon request by Government of Guam the Contractor shall submit source documents as to those individuals provide direct services in part or whole under this Agreement and its payments to them of such wages and benefits.

21. **ETHICAL STANDARDS:** With respect to this procurement and any other contract that the Contractor may have, or wish to enter into, with Any government of Guam agency, the Contractor represents that it has not knowingly influenced, and promises that it will not knowingly influence, any government employee to breach any of the ethical standards set forth in the Guam Procurement Law and in any of the Guam Procurement Regulations. – GAR § 11103(b)
22. **PROHIBITION AGAINST CONTINGENT FEES:** The Contractor represents that he has not retained any person or agency upon an Agreement or understanding for a percentage, commission, brokerage, or other contingent arrangement, except for retention of bona fide employees or bona fide established commercial selling agencies, to solicit or secure this Agreement or any other contract with the government of Guam or its agencies. GAR § 11108(f)
23. **CONTRACTOR'S WARRANTY AS TO EMPLOYEES AND SEX OFFENSES.** *Reference 5 GCA 5253 (b):* Contractor warrants that no person providing services on behalf of the Contractor has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 of GCA or an offense as defined in Article 2 of Chapter 28, Title 9 GCA, or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry.
- Contractor warrants that if any person providing services on behalf of Contractor is convicted of a sex offense under the provisions of Chapter 25 of Title 9 GCA, or an offense as defined in Article 2 of Chapter 28, Title 9 GCA, or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry, that such person will be immediately removed from working at said agency and that the administrator of said agency be informed of such within twenty-four (24) hours of such conviction. Any contractor found in violation of this section, after notice from the Government of Guam, after notice from the contracting authority of such violation, shall within twenty-four (24) hours, take corrective action and shall report such action to the contracting authority. Failure to take corrective action with the stipulated period may result in the temporary suspension of the contract at the discretion of the Government of Guam.
24. **POLICY IN FAVOR OF SERVICE-DISABLED VETERAN OWNED BUSINESSES:** P.L. 31-115 (September 20, 2011) 5 GCA § 5011 and § 5012 In the procurement of any supply or service, (except for professional services), if such supply or service is offered by a Service-Disabled Veteran Owned Business "SDVOB", as defined in 5 GCA § 5012, that is at least fifty one percent (51%) owned by service-disabled veteran(s), and if the supply or service is available within the period that is required for the procurement, and the price for the supply or service does not exceed one hundred five percent (105%) of the lowest bidder price, a preference shall be given to that SDVOB by the Government of Guam, and the supply or service shall be purchased from said SDVOB. This shall be in addition to any other procurement benefit the SDVOB may qualify for under Guam law. A business concern is a qualified SDVOB if: (a) the business concern is licensed to do business on Guam; (b) the business concern maintains its headquarters on Guam; (c) the business concern is at least fifty-one (51%) owned by a service-disabled veteran(s) who served in the active U.S. military service, was discharged or released under honorable conditions and whose disability is service-connected as demonstrated by a DD214, and certified by an award letter from the U.S. Department of Veterans Affairs; the DD214 and Disability award letter from U.S. Department of Veterans Affairs are submitted to the Government of Guam procuring agency for every service offered; and the service disabled veteran(s) owner(s) of the business concern has filed individual tax returns on Guam for a period of at least three (3) consecutive years.
25. **CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:** The undersigned Bidder certifies that the bid price submitted was Independently arrived at without collusion – GAR § 3126
26. **LICENSING OR CERTIFICATE(S) OF EXEMPTIONS:** Bidders are cautioned that the Government will not consider for award any offer submitted by a bidder who cannot comply with the Guam Licensing Law. Specific information on license or exemptions may be obtained from the Director of Revenue and Taxation.
27. **EQUAL EMPLOYMENT OPPORTUNITY:** Bidder shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that employees are treated equally during employment without regards to their race, color, religion, sex, or national origin.
28. **DISCLOSURES OF MAJOR SHAREHOLDERS:** (5 GCA § 5233)
As a condition of submitted a bid, any partnership, sole proprietorship or corporation doing business with the Government of Guam shall submit an affidavit executed under oath that lists the name and address of any person who has held more than ten percent (10%) of the outstanding interest or shares in said month period immediately preceding submission of proposal.

CHASSIS/CAB

Chassis provided shall be designed for a 4-door fire apparatus. The chassis shall be designed and manufactured for heavy-duty service, with adequate strength and capacity for the intended load to be sustained and the type of service required.

4-door custom cabs, cab-over/cab-forward, or commercial/conventional type cabs are all acceptable provided they meet the requirements for the service they are being used.

UNDERBODY SUPPORT SYSTEM

Due to the severe loading requirements of this apparatus, a method of body and compartment support suitable for the intended load shall be provided.

The backbone of the support system shall be the chassis frame rails, which is the strongest component of the chassis, and is designed for sustaining maximum loads.

A steel frame shall be mounted on the top of these supports to support a minimum 400-pound equipment support rating per lower side compartment and minimum 500-pound equipment support rating for the rear tailboard compartment.

A design with body compartments hanging on the chassis in an unsupported fashion shall not be acceptable. Compartments shall as a minimum be capable of handling weight requirements of equipment held within (reference compartment minimum equipment list at end of this specification).

UNDERCOATING, CAB & BODY

The underside of the apparatus shall be undercoated with an asphalt petroleum-based material, dark in color. The undercoating material utilized on the apparatus shall be formulated to resist corrosion and deaden unwanted sound or road noise.

Coating texture shall be firm, yet flexible, and resistant to abrasion.

The material shall be applied to the following areas:
Body and cab wheel well fender liners, on the back side only.
Underside of body and cab sheet metal, and structural components.
Underside and vertical sides of all sheet metal compartmentation, including support angles.

Structural support members under running boards, rear platforms, battery boxes, walkways, etc.

Inside surfaces of the pump heat enclosure, (when installed).

WARRANTY

Each piece of new fire or rescue apparatus shall be warrantied to be free from defects in materials or workmanship under normal use and service. Each manufacturer shall supply, as a part of their bid package, a copy of the warranty or warranties that they propose to provide, and in no case shall it be less than one (1) year on the entire apparatus.

All other warranties, as outlined in these specifications shall be provided in writing as a part of the bid package.

Failure to provide the warranties, as outlined throughout these specifications, shall be cause for rejection of the bid package.

FRAME

The chassis frame shall be built with steel channels bolted to cross members.

FRAME RAIL WARRANTY

The frame rails shall be guaranteed against defects in design, material, or workmanship, excluding accidents or abuse for a minimum three (3) years

A copy of the fire apparatus manufacturer's warranty shall be included with the bid.

ENGINE

Although the Guam Fire Department would prefer an “export only” type engine that does not require the use of DEF, the chassis shall be powered, at a minimum, by an electronically controlled engine as described below:

- Min Power: 300 hp
- Fuel: Diesel [must be able to use fuel currently available on Guam]
- Fuel Filters with shutoff: Spin-on style primary filter with water separator and water-in-fuel sensor. Secondary fuel filter.
- Coolant Filter: Spin-on style with shut off valves on the supply and return line.

ENGINE WARRANTY

The engine shall have a minimum five (5) year/100,000 mile warranty provided by the engine manufacturer.

ENGINE INSTALLATION CERTIFICATION

If a custom cab/chassis is provided, the fire apparatus manufacturer shall provide certification, along with a letter from the engine manufacturer stating they approve of the engine chosen to be used in the bidder's chassis. The certification shall be provided at the time of bid.

MANUAL FLUID CHECK ACCESS

The engine oil dipstick shall allow for check only, and the transmission dipstick shall allow for check and fill.

An additional tube shall be provided for engine oil fill.

ENGINE COMPARTMENT LIGHT

LED engine compartment light(s) shall be installed under the engine hood, of which the switch is an integral part. Light(s) shall have lenses designed to prevent moisture retention.

ENGINE AIR INTAKE

The air intake with ember separator shall be mounted on the engine and shall be easily accessible by opening the hood/hatch. The ember separator must prevent road dirt and re-circulating hot air from entering the engine.

EXHAUST SYSTEM

The exhaust shall exit the apparatus either through stacks or the side of apparatus. A heat deflector shield shall be provided where the exhaust is routed under any side compartments or exposed sections.

TRANSMISSION

An electronic torque converting automatic transmission shall be provided.

A transmission temperature gauge with warning light and audible alarm shall be installed on the cab dash.

The gear ratios shall be specific to the engine manufacturer's recommendations.

TRANSMISSION SHIFTER

A push button shift module shall be mounted in close proximity to the driver. Shift position indicator shall be backlit for after dark operation.

TRANSMISSION COOLER

A transmission oil cooler shall be provided.

TRANSMISSION WARRANTY

The transmission shall have a five-year unlimited mileage warranty covering 100% parts and labor. The warranty is to be provided by the transmission manufacturer and not the apparatus builder.

RADIATOR

The radiator and the complete cooling system shall meet or exceed NFPA and engine manufacturer cooling system standards.

COOLANT LINES

Rubber hose shall be used for all engine coolant lines to be installed by the chassis manufacturer. Hose clamps shall be stainless steel "constant torque type" to prevent coolant leakage. They shall react to temperature changes in the cooling system and expand or contract accordingly while maintaining a constant clamping pressure on the hose.

CLUTCH FAN

An air actuated clutch fan shall be provided. Clutch fan shall be automatic when the pump transmission is in "Road" position and engaged constantly when in "Pump" position.

FRONT AXLE

The front axle shall be capable of supporting, a minimum, the load that is required of the apparatus being constructed.

Oil seals with viewing window shall be provided on the front axle.

FRONT AXLE WARRANTY

A minimum two (2) year, unlimited mileage, parts, and labor warranty shall be provided with this axle.

REAR AXLE

The rear axle shall be sufficient to support, at a minimum, the weight of the apparatus being constructed in addition to the weight of the fully loaded water tank, pump, and all equipment stored in fixed compartments.

Oil seals shall be provided on the rear axle.

REAR AXLE WARRANTY

A minimum two (2) year, unlimited mileage, parts, and labor warranty shall be provided with this axle.

TOP SPEED OF VEHICLE

A rear axle ratio shall be furnished to allow the vehicle to reach a top speed of at least 55 mph.

SHOCK ABSORBERS

Shock absorbers shall be provided on the front axle.

SUSPENSION, FRONT

Front springs, semi-elliptical or coil type, shall be sufficient for, at a minimum, the weight of the apparatus, personnel, and equipment.

REAR SUSPENSION

Rear suspension shall be capable of supporting, at a minimum, the weight of the apparatus, fully loaded water tank, and equipment stored within permanent compartments. Provisions shall be provided for lubrication. The grease fittings shall be accessible without removing the wheels or sheet metal.

BRAKE SYSTEM

- The brake system shall include:
- Pressure gauges with warning light and audible alarm, that activates when air pressure falls below operating pressure
 - Parking Brake
 - A parking "brake on" indicator light on instrument panel

BRAKES

The service brake system shall be an air type design.

Front brakes shall be disc or drum type with automatic pad wear adjustment ventilated rotors for improved stopping distance. The rear brakes shall be disc or drum operated with slack adjusters and ventilation for improved stopping distance.

AIR COMPRESSOR, BRAKE SYSTEM

The air compressor shall have adequate output to match the braking system installed.

ANTI-LOCK BRAKE SYSTEM

The vehicle shall be equipped with an anti-lock braking system. The ABS shall provide anti-lock braking control on both the front and rear wheels.

ANTI-LOCK BRAKE SYSTEM WARRANTY

The ABS system shall come with a minimum three (3) year or 30,000-mile parts and labor warranty provided by ABS manufacturer.

ENGINE EXHAUST BRAKE

An engine exhaust brake shall be installed with the control located on the interior cab instrument panel within easy reach of the driver.

The ABS system shall automatically disengage the auxiliary braking device, when required.

FUEL TANK

A 50-gallon (minimum) fuel tank shall be provided. It shall be equipped with swash partitions and a vent.

A drain plug shall be provided in a low point of the tank for drainage.

A vent shall be provided to allow rapid filling without blow-back.
All fuel lines shall be provided as recommended by the engine manufacturer.

DRIVELINE

Drivelines shall be a heavy-duty metal tube and be equipped with universal joints.

Each of the chassis drivelines shall have a U-shaped safety guard provided and installed to protect the chassis electrical and air lines in the event of driveline failure.

The shafts shall be dynamically balanced before installation.

STEERING

A steering gear, with integral heavy-duty power steering, shall be provided.

The steering wheel shall be of sufficient size, capable of tilting and telescoping to improve fit for a broader range of driver configurations.

TIRES

Front tires, DOT spec, all-season tread and rated for the weight of the apparatus and equipment shall be provided.

The front tires shall be mounted on aluminum, black or apparatus color matched steel wheels.

4 rear tires, DOT spec, all-season tread and rated for the weight of the apparatus and equipment shall be provided.

The rear tires shall be mounted on aluminum, black or apparatus color matched steel wheels.

TIRE BALANCE

All tires shall be balanced with counteract balancing beads or wheel weights.

WHEEL CHOCKS

There shall be one (1) set(s) of folding aluminum alloy wheel blocks, with easy-grip handle provided.

WHEEL CHOCK BRACKETS

There shall be one (1) set(s) of wheel chock brackets provided for the folding wheel chocks.

MUD FLAPS

Mud flaps shall be installed behind the rear wheels of the apparatus.

TIRE PRESSURE MANAGEMENT

There shall be a tire alert pressure management system provided that shall monitor each tire's pressure. A sensor shall be provided on the valve stem of each tire for a total of six (6) tires.

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

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

GRILLE

A front grille (plastic, aluminum, or stainless steel shall be supplied. Grille may be in black/gray finish or bright aluminum/stainless steel.

FENDER CROWNS

Fender crowns shall be installed at the cab wheel openings.

SIDE VIEW MIRRORS

FMVSS compliant west coast or bus style mirrors shall be provided.

A convex mirror shall be also be provided.

FRONT BUMPER

A bumper shall be attached to the front of the frame. A channel shall be mounted directly behind the bumper for additional strength.

The bumper shall be extended from front face of cab.
As part of the bumper extension, a formed channel with flanges or equivalent shall be provided directly behind the full width of the flat portion of the bumper to protect the front of the cab in the event of accident.

REAR BUMPER

A full width rear bumper shall be provided.

The rear bumper shall be mounted to the frame or comparable rear support to ensure strength.

TAILBOARD

A rear step shall also be provided and supported by a structural steel assembly.

The rear tailboard shall be approximately 16.00" deep.

Entire rear surface between the beavertails shall be covered.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA standards.

FOLDING STEPS

Non-skid folding steps shall be provided at both right and left sides on the rear of the apparatus body in order to allow access to the tank fill tower.

The steps can be used as a hand hold with openings wide enough for a gloved hand.

BACK-UP ALARM

An electronic audible back-up alarm that actuates when the truck is shifted into reverse shall be provided.

BACK-UP CAMERA (OPTIONAL)

An industrial grade back-up camera, capable of full color, and moisture resistance, shall be installed.

A cab mounted screen, whether integrated into the stereo system or standalone, shall be installed for viewing images by the back-up camera in order to remove blind spots and facilitate reversing.

TOW HOOKS

Tow hooks shall be installed under the bumper and attached to the front frame members. The tow hooks shall be designed and positioned to allow a minimum 6,000lb straight horizontal pull in line with the centerline of the vehicle. The tow hooks shall not be designed for, and are not intended to be used for lifting of the apparatus.

GRAVEL PAN

A gravel pan shall be furnished between the bumper and cab face. The gravel pan shall be properly supported from the underside to prevent flexing and vibration.

APPARATUS CAB

- Black or gray vinyl interior panels
- LH and RH door panels
- Interior LH and RH grab handles
- Black mats with insulation
- Forward roof mounted console with upper storage compartments
- In dash storage bin
- (2) cup holders
- Black, gray, or charcoal colored dash
- Heater, defroster, and air conditioner
- Standard HVAC ducting
- Main HVAC controls with recirculation switch
- Standard heater plumbing
- Premium insulation
- Solid-state circuit protection and fuses
- 12v negative ground electrical system
- Dome door activated LH and RH, dual reading lights
- Cab door latches with manual door locks

- 12-volt power supply in dash
- High back air suspension driver seat with NFPA compliant seat sensors
- SCBA type passenger seat with NFPA compliant seat sensors
- LH and RH integral door panel armrests
- Black or Gray cloth driver seat cover
- Black or Gray cloth passenger seat covers
- High visibility seat belts as per NFPA standards
- Tilt steering column
- Driver and passenger interior sun visors

INSTRUMENTATION AND CONTROLS

- Black or gray driver instrument panel
- Black or gray center instrument panel
- Low air pressure indicator light and audible alarm
- Primary and secondary air pressure gauges
- Engine compartment mounted air restriction indicator with graduations, with warning light in dash
- Key operated ignition switch and integral start position; 4 position off/run/start/accessory or push button start
- Diagnostic interface connector, located below dash
- Electric fuel gauge
- Programmable rpm control - electronic engine
- Engine coolant temperature gauge
- Transmission oil temperature gauge
- Engine and trip hour meters
- Engine oil pressure gauge
- Overhead instrument panel
- Electronic mph speedometer with secondary KPH scale
- Standard vehicle speed sensor
- Electronic tachometer
- Idle limiter, electronic engine, park brake activated
- Digital voltage display integral with driver display
- Single electric windshield wiper motor with delay
- Marker light switch integral with headlight switch
- One valve parking brake system with warning indicator
- Self-canceling turn signal switch with integral electronic turn signal flasher

The engine hood shall be insulated, lightweight, and non-corrosive (e.g. aluminum or fiberglass) for protection from heat and sound. The noise insulation shall keep the DBA level within the limits stated in the current NFPA 1901.

All cab doors shall contain a tinted, conventional power or manual roll down window.

The doors shall be provided with exterior (keyed) locks as required by FMVSS 206.

The locks shall be capable of activating when the doors are open or closed. The doors shall remain locked if locks are activated when the doors are opened, then closed.

There shall be automotive type rubber seals around the perimeter of all cab doors to ensure a weathertight fit.

Door liners shall be constructed of smooth material to match the cab interior.

Full circular inner fender liners, in the wheel wells, shall be provided.

Economical windshield/window replacement glass shall be of the type and quality that is readily available from local auto glass suppliers.

Two (2) sun visors will be provided. The sun visors shall be located above the windshield with one (1) mounted on each side of the cab.

The two (2) windshield wipers shall be electrically controlled and meet FMVSS requirements. Wipers shall have a speed modulation feature allowing the driver to adjust the speed of the wiper. The windshield wipers shall also be furnished with a feature which allows the wiper to return to the stored position when the wiper is not in use.

Wipers shall be equipped with a washer and wiper control.

AIR CONDITIONING

The apparatus shall have an air conditioning system with defogger, capable at a minimum, of cooling the inside cab to a temperature of 70 degrees Fahrenheit. _____
Controls for the air conditioning system must be easily reachable for the driver and passengers if separate air conditioning/blower units are used. _____

CAB INTERIOR

Headliner shall be installed in cab section. Headliner material shall be a dark colored vinyl or cloth (specify). A sound barrier shall be part of its composition. Cab headliner shall be securely fastened, yet shall permit easy access for service of electrical wiring or other maintenance needs. _____

The cab and crew cab floor areas shall be covered with a floor mat that is durable, non-slip, and fluid resistant. Mat shall be black or dark gray. Floor matting must also provide significant sound dampening for interior of cab. _____

CAB WARRANTY

The bidder shall furnish a minimum five (5) year cab warranty. The warranty shall cover defects in design or workmanship in the cab tubular support and mounting supports and other cab structural components identified in the specifications. A copy of the warranty shall be submitted with the bid. _____

SEATING CAPACITY

The seating capacity in the cab shall be a minimum of Five (5) firefighters in complete turnout/firefighting gear. _____

DRIVER SEAT

An air-ride, mid-height with headrest style seat shall be provided in the cab for the driver. The driver's seat shall be furnished with three (3)-point shoulder type seat belt. The seat belt shall be furnished with automatic retractor. Extension shall be provided with the seat belt so the male end can be easily grasped and the female end easily located while sitting in a normal position. _____

OFFICER/REAR PASSENGER SEATS

An SCBA seat with high-back shall be provided in the cab for the officer. The SCBA cavity shall be adjustable front to rear in order to accommodate different size SCBA bottles. _____

Moving the SCBA cavity shall be accomplished by unbolting, relocating and re-bolting in the desired location. _____

The seats shall be furnished with three-point shoulder type seat belts. The seat belts shall be furnished with automatic retractors. Extensions shall be provided with the seat belts so the male end can be easily grasped, and the female end easily located while sitting in a normal position. _____

PORTABLE RADIO STORAGE COMPARTMENT

A radio compartment shall be provided under the officer's seat. _____

The compartment shall be constructed of smooth, durable, non-corrosive material. It shall be painted to match the cab interior. _____

SEAT BELT MONITORING SYSTEM

A seat belt monitoring system (SBMS) shall be provided. The SBMS shall be capable of monitoring each seating position in the cab with green and red LED indicators as follows:

Seat Occupied	Buckled	Green
Seat Occupied	Unbuckled	Red
No Occupant	Buckled	Red
No Occupant	Unbuckled	Not Illuminated

The SBMS shall include an audible alarm that shall be activated when a red illumination condition exists and the parking brake is released, or a red illumination condition exists and the transmission is not in park. _____

HELMET HOLDER

There shall be two (2) helmet holder bracket(s) provided in the cab. The brackets shall provide quick access and secure storage of the helmet(s). The bracket location(s) shall be determined at time of final inspection. _____

INDICATOR LAMPS

To promote safety, the following telltale indicator lamps (when applicable)

shall be located on the instrument panel in clear view of the driver. The indicator lamps shall be "dead-front" design that is only visible when active. The colored indicator lights shall have descriptive text or symbols.

- If applicable, the following telltale lamps (colored appropriately) shall be present:
- Low coolant
 - Trac Cntl (traction control)
 - Check engine
 - Check Trans (check transmission)
 - Air rest (air restriction)
 - Driver door open
 - Passenger door open
 - DPF (engine diesel particulate filter regeneration)
 - ABS (antilock brake system)
 - MIL (engine emissions system malfunction indicator lamp)
 - Regen inhibit (engine emissions regeneration inhibit)
 - Trans temp (transmission temperature)
 - Front air bag fault
 - Aux brake overheat (auxiliary brake overheat)
 - Parking brake
 - Stop engine
 - Left turn
 - Right turn
 - Battery on
 - Ignition
 - Aux brake (auxiliary brake engaged)
 - High beam
 - Headlight

INDICATOR LAMP AND ALARM PROVE-OUT

A system shall be provided which automatically tests telltale indicator lights and alarms located on the cab instrument panel.

CONTROL SWITCHES

For ease of use, the following controls shall be provided immediately adjacent to the cab instrument panel within easy reach of the driver. All rocker switches shall be lighted when in use and have backlit labels for low light applications.

Headlight/Parking light switch: A three (3) position rocker switch shall be provided.

Panel backlighting intensity control switch: A variable voltage control switch shall be provided.

Turn signal arm: A self-canceling turn signal with integrated high beam headlight controls.

DIAGNOSTIC PANEL

A diagnostic panel shall be accessible while standing on the ground and shall be located on the driver's side. The diagnostic panel shall allow diagnostic tools such as computers to connect to various vehicle systems for improved trouble shooting providing a lower cost of ownership. Diagnostic switches shall allow engine and ABS systems to provide blink codes should a problem exist.

VEHICLE DATA RECORDER

A vehicle data recorder (VDR) shall be provided. The VDR shall be capable of reading and storing vehicle information. The VDR shall be capable of operating in a voltage range from 8VDC to 16VDC. The VDR shall not interfere with, suspend, or delay any communications that may exist on the CAN data link during the power up, initialization, runtime, or power down sequence.

The VDR shall continue operation upon termination of power or at voltages below 8VDC for a minimum of 10 milliseconds.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A CD provided with the apparatus shall include the programming to download the information from the VDR. A USB cable can be used to connect the VDR to a laptop to retrieve required information.

The vehicle data recorder shall be capable of recording the following data via hardwired and/or Controller Area Network inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec

Engine Speed - RPM
Engine Throttle Position - % of Full Throttle
ABS Event- On/Off
Seat Occupied Status - Yes/No by Position
Seat Belt Buckled Status - Yes/No by Position
Master Optical Warning Device Switch - On/Off
Time - 24 Hour Time
Date - Year/Month/Day

Software shall be provided in accordance with NFPA 1901, chap 4.11.

RADIO (OPTIONAL)

A single-head mobile radio unit, compatible with current GFD operating system, with compatible windshield glass mounted antenna shall be provided.

Radio shall be mounted on dash within reach of driver and passenger.

AM/FM RADIO/CD SYSTEM

There shall be a Bluetooth capable AM/FM stereo radio with antenna and speaker system provided in the cab.

ELECTRONIC LOAD MANAGEMENT

An electronic load management (ELM) system shall be provided that monitors the vehicles 12-volt electrical system, and automatically reduces the electrical load in the event of a low voltage condition and by doing so, ensures the integrity of the electrical system.

The ELM shall monitor the vehicle's voltage while at the scene (parking brake applied). It shall sequentially shut down individual electrical loads when the system voltage drops below a preset value. The ELM shall sequentially re-energize electrical loads as the system voltage recovers.

AMP DRAW REPORT

The bidder shall provide, at the time of bid and delivery, an Itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus shall provide the following:

- 1) Documentation of the electrical system performance tests.
 - 2) A written load analysis, which shall include the following:
 - A) The nameplate rating of the alternator.
 - B) The alternator rating under the conditions specified per:
Applicable NFPA 1901 (Current Edition).
 - C) The minimum continuous load of each component that is specified per:
Applicable NFPA 1901 (Current Edition).
 - D) Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - E) Each individual intermittent load.
- All of the above listed items shall be provided by the bidder per the applicable NFPA 1901 (Current Edition).

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer shall conform to modern automotive practices. All wiring shall be high temperature crosslink type. Wiring shall be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal.

Wiring shall be color, function, and/or number coded. Function and number codes shall be continuously imprinted on all wiring harness conductors.. Exterior exposed wire connectors shall be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture, and automotive fluids.

Electrical wiring and equipment shall be installed utilizing NFPA 1901 standards and test requirements and procedures:

- (1) All holes made in the roof shall be caulked with silicon or rope caulk; large fender washers, liberally caulked, shall be used when fastening equipment to the underside of the cab roof.
- (2) Any electrical component that is installed in an exposed area shall be mounted in a manner that shall not allow moisture to accumulate in it. Exposed area shall be defined as any location outside of the cab or body.
- (3) Electrical components designed to be removed for maintenance

shall not be fastened with nuts and bolts. Metal screws shall be used in mounting these devices. Also, a coil of wire shall be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.

(4) Corrosion preventative compound shall be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and for easy separation (of the plug).

(5) All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

(6) All electrical terminals in exposed areas shall have silicon applied completely over the metal portion of the terminal. All emergency light switches shall be mounted on a panel installed in the cab. A master warning light switch and individual switches shall be provided to allow pre-selection of emergency lights. The light switches shall be "rocker" type with an internal indicator light to show when switch is energized. All switches shall be properly identified and mounted in a removable panel for ease in servicing. Identification of the switches shall be done by either printing or etching on the switch panel. The switches and identification shall be illuminated.

An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order. The results of the tests shall be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

A 12-volt approved battery system shall be provided.

The battery compartments shall be mounted on the vehicle frame. They shall be well ventilated and enclosed to protect against road splash and debris. Suitable provisions shall be provided for drainage.

The batteries shall sit on non-corrosive trays with appropriate mounting hardware.

Heavy-duty battery cables shall be used to provide maximum power to the electrical system. Cables shall be color-coded.

Battery terminal connections shall be coated with anti-corrosion compound. Battery solenoid terminal connections shall be encapsulated with semi-permanent rubberized compound.

MASTER BATTERY SWITCH

A master battery switch, to activate the battery system, shall be provided inside the cab within easy reach of the driver.

An indicator light shall be provided on the instrument panel to notify the driver of the status of the battery system.

SHORE POWER RECEPTACLE

One (1) shore power receptacle shall be provided on the apparatus. The shore power plug shall be "ejected" when the chassis' engine starter is engaged. Air/electric energizing shall be delayed until detector pin senses plug is inserted, eliminating terminal arcing.

The receptacle shall be wired to any 230-volt A/C equipment that requires shore power. An aluminum enclosure shall be provided with the receptacle for protection from road dirt and damage. A hinged weatherproof cover shall be provided.

BATTERY CHARGING RECEPTACLE (OPTIONAL)

The battery charging receptacle location shall be on the driver side, in proximity to the battery switch.

IGNITION SYSTEM

A single starting system shall be provided.

A keyed ignition switch and/or starter button shall be located on the instrument panel.

ALTERNATOR

The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

HIGH IDLE

A high idle switch shall be provided, inside the cab, on the instrument panel that shall automatically maintain a preset engine rpm. A switch shall be installed, at the cab instrument panel, for activation/deactivation. The high idle shall be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light shall be provided, adjacent to the switch. The light shall illuminate when the above conditions are met.

ELECTRICAL POWER CONTROL SYSTEM

A compartment shall be provided in or under the cab to house the vehicle's electrical power and signal circuit protection and control components. The power and signal protection and control compartment shall contain circuit protection devices and power control devices.

Power and signal protection and control components shall be protected against corrosion, excessive heat, excessive vibration, physical damage and water spray.

Serviceable components shall be readily accessible.

Circuit protection devices, which conform to SAE standard, shall be utilized to protect each circuit. All circuit protection devices shall be sized to prevent wire and component damage when subjected to extreme current overload.

VOLTAGE MONITOR SYSTEM

A voltage monitor system shall be provided to indicate the status of each battery system connected to the vehicle's electrical load. The monitor system shall provide visual and audio warning when the system voltage is above or below optimum levels.

EMI/RFI PROTECTION

The electrical system shall include means to control undesired electromagnetic and radio frequency emissions.

The contractor shall be able to demonstrate the EMI and RFI testing has been done on similar apparatus and certifies that the vehicle proposed meets SAE requirements.

EMI/RFI susceptibility shall be controlled by applying immune circuit designs, shielding, twisted pair wiring and filtering. The electrical system shall be designed for full compatibility with low level control signals and high powered 2-way radio communication systems. Harness and cable routing shall be given careful attention to minimize the potential for conducting and radiated EMI-RFI susceptibility.

ELECTRICAL SYSTEM (ALTERNATING CURRENT)

The following guidelines shall apply to the 120/240 VAC system installation:

Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures shall conform to NFPA 70, National Electrical Code (herein referred to as the NEC).

Line voltage electrical system equipment and materials included on the apparatus shall be listed and installed in accordance with the manufacturer's instructions. All products shall be used only in the manner for which they have been listed.

Grounding

Grounding shall be in accordance with "Portable and Vehicle Mounted Generators". Ungrounded systems shall not be used.

Operation

Instructions that provide the operator with the essential power source operating instructions, including the power-up and power-down sequence, shall be permanently attached to the apparatus at any point where such operations can take place.

Provisions shall be made for quickly and easily placing the power source into operation. The control shall be marked to indicate when it is correctly positioned for power source operation.

Any control device used in the drive train shall be equipped with a means to prevent the unintentional movement of the control device from its set position.

A power source specification label shall be permanently attached

to the apparatus near the operator's control station. The label shall include and provide the operator with the following detail information.

Power Source Specifications Label

Operational Category
Continuous Duty Rating
Rated voltage(s) and type (AC or DC)
Phase
Rated frequency
Rated amperage
Continuous rated watts
Power source engine speed

Direct drive (PTO) and portable generator installations shall comply with applicable articles of the NEC.

Wiring Methods

Fixed wiring systems shall be limited to the following:

- Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius)
- Separated, or properly shielded, from exhaust piping
- Separated from fuel lines. Electrical cord or conduit shall be supported. Supports shall be made of nonmetallic materials or corrosion protected metal. All supports shall be of a design that does not cut or abrade the conduit or cable and shall be mechanically fastened to the vehicle.

Wiring Identification

All line voltage conductors located in the main panel board shall be individually and permanently identified. The identification shall reference the wiring schematic or indicate the final termination point. When pre-wiring for future power sources or devices, the un-terminated ends shall be labeled showing function and wire size.

Wet Locations

All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, shall be of the grounding type provided with a wet location cover.

All receptacles located in a wet location shall be not less than 24 inches from the ground.

The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle shall be installed in a face up position.

Dry Locations

All receptacles located in a dry location shall be of the grounding type.

All receptacles shall be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they shall be so marked.

Listing

All receptacles and electrical inlet devices shall be listed to appropriate performance standards. Receptacles used for direct current voltages shall be rated for the appropriate service.

Electrical System Testing

The wiring and associated equipment shall be tested by the apparatus manufacturer or the installer of the line voltage system.

The test shall be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test shall be conducted after all body work has been completed.

Electrical polarity verification shall be made of all permanently wired equipment and receptacles to determine that connections have been properly made.

Operational Test per Current NFPA 1901 Standards

The apparatus manufacturer shall perform the following operation test and ensure that the power source, and any devices that are attached to the line voltage electrical system, is properly connected and in working order. The test shall be witnessed, and the results certified by an independent third-party certification organization.

The power source shall be operated at 100 percent of its nameplate voltage for a minimum of two (2) hours unless the system meets category certification as defined in the current NFPA 1901 standard.

Where the line voltage power is derived from the vehicle's low voltage system, the minimum continuous electrical load as defined in the current NFPA 1901 standard shall be applied to the low voltage electrical system during the operational test.

FEDERAL MOTOR VEHICLE SAFETY STANDARD (FMVSS) LIGHTING

A pair of stop-tail lights, directional lights, and backup lights shall be furnished.

The lights/modules shall be mounted on the face of the rear body, one on each side.

A license plate bracket shall be mounted on the driver's side. An LED lamp shall illuminate the license plate.

Three (3) identification lights shall be located at the rear and shall be installed per the following:

As close as practical to the vertical Centerline.

Centers spaced not less than six (6) inches or more than twelve (12) inches apart, red in color, and all at the same height.

The outside clearance lights located at the rear shall be installed per the following:

- 1. To indicate the overall width of the vehicle.
- 2. At least one (1) each side of the vertical Centerline.
- 3. All at the same height.
- 4. As near the top as practical.
- 5. To be visible from the rear and the side.
- 6. Per FMVSS 108 and CMVSS 108 requirements.

Reflectors shall also be provided as required per FMVSS 108.

"DO NOT MOVE APPARATUS" INDICATOR (NFPA 1901, Ch 13.11)

A flashing red indicator light, located in the driving compartment, shall be illuminated automatically per the current NFPA requirements. The light shall be labeled "Do Not Move Apparatus If Light Is On". The same circuit that activates the Do Not Move Apparatus indicator shall not activate any alarm when the parking brake is released.

OPEN DOOR INDICATOR LIGHT

One (1) red indicator light shall be provided and located in clear view of the driver, warning of an open passenger or equipment compartment door.

GROUND LIGHTING, CAB (NFPA 1901)

Ground lighting in accordance with NFPA 1901 shall be provided for each cab door. Lighting shall be designed to provide illumination on areas under the driver, officer, and crew cab riding area exits, which shall be activated automatically when the exit doors are opened and by the same means as the body perimeter lights.

The lighting shall be capable of providing illumination in areas which personnel climb in or out of the apparatus or descend from the apparatus to the ground level.

GROUND LIGHTING, BODY (NFPA 1901)

Ground lighting in accordance with NFPA 1901 shall be provided for the apparatus body.

The lighting shall be capable of providing illumination in areas designed for personnel to climb onto the apparatus or descend from the apparatus to the ground level.

EXTERIOR LIGHTING

Exterior lighting shall meet or exceed Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

Front headlights/high beam shall be halogen or LED type.

Clearance and marker LED lights shall be installed across the leading edge of the cab.

SWITCHABLE STEP LIGHTS

At a minimum, four (4) LED, step lights shall be provided. Step lights shall be provided on each side, step lights at the rear to

illuminate the tailboard.

All other steps on the apparatus shall be illuminated per the current edition of NFPA 1901.

HANDHELD LIGHT

There shall be two (2) LED handheld lights provided. The location shall be on the rear wall of the cab. Lights shall be rechargeable type with integral charger mount. A 110v in-station charging system shall also be provided per unit.

LIGHTBAR

One LED light bar, minimum 55", shall be mounted on the cab roof.

This light bar shall include, at a minimum, the following:
Four (4) red/white flashing forward facing LED modules.

Two (2) red/white flashing front corner LED modules.

Two (2) red/white flashing rear corner LED modules.

One (1) switch located in the cab on the switch panel shall control this light bar.

Four (4) red/white flashing rear facing LED modules.

LIGHTS, FRONT ZONE LOWER

One (1) pair of flashing LED warning lights shall be installed.

The color of these lights shall be red LED.

These lights shall meet or exceed NFPA front lower zone requirements.

These lights shall be controlled by the designated switch for all lower zone lighting located on the cab instrument panel.

SIDE ZONE LOWER LIGHTING

Four (4) flashing LED warning lights shall be located in the following positions:

Two (2) lights, one (1) on each side on the bumper extension or side of hood.

The color of these lights shall be red LED.

Two (2) lights, one (1) on each side, above the body fenders.

The above four (4) lights shall be required to meet or exceed the lower level optical warning and optical power requirements of NFPA.

These lights shall be controlled by the designated switch for all lower zone lighting located on the cab instrument panel.

REAR ZONE LOWER LIGHTING

Two (2) flashing LED warning lights shall be located at the rear lower corners of the body, required to meet or exceed the lower level optical warning and optical power requirements of NFPA.

The color of these lights shall be red LED.

These lights shall be controlled by the designated switch for all lower zone lighting located on the cab instrument panel.

SIDE ZONE UPPER LIGHTING

Four (4) flashing LED warning lights, one on each of the upper corners of each side of the body side panels shall be provided, and required to meet or exceed the lower level optical warning and optical power requirements of NFPA.

The color of these lights shall be red LED.

These lights shall be controlled by the designated switch for all upper zone lighting located on the cab instrument panel.

REAR ZONE UPPER LIGHTING

Two (2) flashing LED warning lights shall be provided at the top rear corners of the body, located one (1) on each side.

The color of the lights shall be one (1) red on the driver side and one (1) amber located on the passenger side.

The rear zone lights shall be mounted on the beavertails as high as possible.

These lights shall be controlled by the designated switch for all upper zone lighting located on the cab instrument panel.

BROW LIGHT (OPTIONAL)

One LED Brow Light shall be provided.

One (1) switch located in the cab on the switch panel shall control this light.

SCENE LIGHTING, DRIVER'S SIDE BODY

There shall be a minimum two (2) 12-volt LED floodlights installed on the driver's side of the body, in the upper corners.

The light(s) selected above shall be controlled by a switch on the console switch panel.

SCENE LIGHTING, PASSENGER'S SIDE BODY

There shall be a minimum two (2) 12-volt LED floodlights installed on the passenger's side of the body, in the upper corners.

The light(s) selected above shall be controlled by a switch at the console switch panel.

SCENE LIGHTING, REAR UPPER CORNERS

There shall be a minimum two (2) 12-volt LED floodlights installed on the rear side of the body, in the upper corners.

The light(s) selected above shall be controlled by a switch at the console switch panel.

TRAFFIC PRE-EMPTION EMITTER

A traffic pre-emption emitter, with the capability to interface with current traffic light sensors on island, shall be installed on the cab roof.

The pre-emption emitter selected above shall be controlled by a switch at the console switch panel.

AIR HORN SYSTEM

Two (2) air horns shall be provided and recessed in the front bumper or mounted on the side of the hood. The horn system shall be piped to the air brake system wet tank. A pressure protection valve shall be installed in-line to prevent loss of air in the air brake system.

AIR HORN CONTROL

The air horn shall be actuated by a button located at the foot of the driver and passenger or dual lanyard cable, one on each side for both the driver and the officer.

ELECTRONIC SIREN

An electronic siren, with noise canceling microphone shall be provided. Siren control head shall be located in the cab instrument panel.

The driver shall have the option to control the siren or the chassis horns from the horn button by means of a selector switch.

SPEAKER

There shall be one speaker provided. The speaker shall be a minimum 100-watt and connected to the siren amplifier. The speaker shall be recessed in the front bumper.

MECHANICAL SIREN, (Auxiliary)

A mechanical siren shall be furnished. A siren brake button shall be installed on the switch panel.

The mechanical siren shall be activated by foot switches for both the officer and the driver. The siren brake shall be controlled on the driver's switch panel.

COMPARTMENTATION

Each bidder is encouraged to offer their standard body configuration that most closely meets these dimensions while providing the maximum amount of enclosed compartment space.

Each bidder shall submit a detailed blueprint of the vehicle as being proposed which shall depict the compartment arrangement with all dimensions, including the clear door opening of each compartment on the apparatus body.

Circular fender liners shall be provided for prevention of rust pockets and ease of maintenance.

Compartment flooring shall be of the sweep out design with the floor higher than the compartment door lip.

The compartment door opening shall be framed by flanging the edges.

Drip protection shall be provided above the doors.

All screws and bolts which protrude into a compartment shall have acorn nuts on the ends to prevent injury.

LOUVERS

Louvers shall be stamped into compartment walls to provide the proper airflow inside the body compartments and to prevent water from dripping into the compartment. Where these louvers are provided, they shall be formed into the metal and not added to the compartment as a separate plate.

COMPARTMENT LIGHTING

LED compartment lighting shall be provided in each exterior cab and body compartment.

Strips shall be mounted vertically along both sides of the door framing on each compartment. The length of the light strips shall be within 6.00" to the top and bottom of the compartment door opening. The lighting in each compartment shall be controlled from a door switch built into each roll up shutter door. Opening the compartment door shall automatically turn compartment lighting on.

COMPARTMENTATION, DRIVER'S SIDE

A minimum of three compartments capable of carrying miscellaneous hoses, fittings, and nozzles must be integrated in the apparatus body.

Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

COMPARTMENTATION, PASSENGER'S SIDE

A minimum of three compartments capable of carrying miscellaneous hoses, fittings, and nozzles must be integrated in the apparatus body.

Closing of the door shall not require releasing, unlocking, or unlatching any mechanism and shall easily be accomplished with one hand.

ROLL-UP DOOR, SIDE COMPARTMENTS

Roll-up doors with a raw finish or a finish that is painted one color to match the lower portion of the body shall be installed on the side compartments.

Doors shall be double faced, aluminum construction.

Between each slat at the pivoting joint shall be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments. Side, top and bottom seals shall be provided to resist ingress of dirt and weather.

All hinges, barrel clips and end pieces shall be nylon.

A lift bar shall be provided for each roll-up door. The lift bar shall be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge shall be supplied over lift bar for additional area to aid in closing the door.

Door(s) shall be constructed from an aluminum box section. The exterior surface of each slat shall be flat.

A roll-up door that retracts below the compartment ceiling (garage door style) shall not be acceptable.

A switch shall be used for control of "open compartment door" warning lights. All mechanical components of the door shall be warrantied to be free from defects in materials and workmanship for the lifetime of the vehicle.

The roll up doors shall also be warrantied against corrosion and perforation for a period of **three (3) years**.

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

RUB RAIL

Bottom edge of the side compartments shall be trimmed with a aluminum extruded rub rail.
The rub rails shall not be an integral part of the body construction, which allows replacement in the event of damage.

The rub rails shall be the widest portion of the body and shall fully protect each side of the apparatus body including the rear fenders and the lift bar latch assembly on each roll up shutter door.

BODY FENDER CROWNS

Fender crowns shall be provided around the rear wheel openings. A rubber welling shall be provided between the body and the crown to seal the seam and restrict moisture from entering.

If applicable, a dielectric barrier shall be provided between the fender crown fasteners and the fender to prevent corrosion.

HANDRAILS

- Handrails shall be located on the front of the body in positions needed to meet NFPA requirements.
- One (1) vertical handrail, shall be located on each side of the rear beavertail.
 - One (1) full width horizontal handrail shall be provided at the rear of the apparatus.
 - One (1) vertical handrail, not less than 18.00" long, shall be located on each side of the cab, by the doors, in order to facilitate access while climbing into the cab.

AIR BOTTLE STORAGE

A minimum of four (4) air bottle compartments shall be provided on the body. The air bottle compartment shall be in the form of a round tube to accommodate different size air bottles. A door with latch shall be provided to contain the air bottles.

LADDERS

Extension Ladder

There shall be a 24', two (2) section, aluminum extension ladder provided.

Roof Ladder

One (1) aluminum, 12' roof ladder shall be provided.

LADDER STORAGE

The ladders shall be stored in the hosebed in a full width enclosed compartment. The area shall house ladder slide-in tracks to store specified ladders in a horizontal position.

PIKE POLE, 10'

One (1) pike pole, 10' long with a fiberglass handle, shall be provided, with storage or mounting system.

PIKE POLE, 8'

One (1) pike pole, 8' long with a fiberglass handle, shall be provided with storage or mounting system.

HARD SUCTION HOSE

Two (2) lengths of 6.00" diameter clear corrugated PVC hard suction hose, 10' in length shall be provided. The hose shall be equipped with a 6.00" long handle female NH thread coupling on one (1) end and a 6.00" rocker lug male coupling on the other end. Couplings shall be hard coated aluminum.

Two (2) hard suction hose mounts shall be provided.

A 6.00" suction strainer shall also be provided.

RUNNING BOARD HOSEWELLS (OPTIONAL)

One (1) hosewell shall be recessed in the left side running board of the apparatus pump panel. The hosewell shall be constructed of aluminum material and shall be provided with drain holes drilled in each bottom corner with plastic grating on the floor.

One (1) hosewell shall be recessed in the right side running board of the apparatus pump panel. The hosewell shall be constructed of aluminum material and shall be provided with drain holes drilled in each bottom corner with plastic grating on the floor.

There shall be straps provided for the securement of the hose in the running board hose well.

PUMP

Pump shall be a minimum 1000 gpm mounted centrifugal type.

Pump shall deliver, at a minimum, the percentage of rated discharge at pressures indicated below:

- 100% of rated capacity at 150 psi net pump pressure.
- 70% of rated capacity at 200 psi net pump pressure.
- 50% of rated capacity at 250 psi net pump pressure.

Pump body shall facilitate easy removal of the entire impeller shaft assembly (including wear rings).

Pump shall be designed for complete servicing from the bottom of the truck, without disturbing the pump setting or apparatus piping.

Pump case halves shall be designed to minimize chance of leakage and facilitate ease of reassembly.

Bearings shall be protected from water and sediment by suitable stuffing boxes, flinger rings, and oil seals. No special or sleeve type bearings shall be used.

Stuffing boxes shall be of the conventional type, to allow adjustment or replacement of packing without disturbing the pump. Provisions for lubrication and cooling when the pump is operating shall be provided.

Wear rings shall be easily replaceable and eliminate the need to replace the entire pump casing due to wear.

THERMAL RELIEF VALVE

A thermal protection device that monitors pump water temperature and opens to relieve water to cool the pump shall be included on the pump. The thermal protection device shall be set to relieve water when the temperature of the pump water exceeds 120 degrees F. The thermal protection device shall include an indicator light and audible buzzer.

Indicator lights shall be provided as per NFPA requirements. A green indicator light shall be installed adjacent to the hand throttle on the pump panel and indicate either the pump is engaged and the road transmission is in pump gear, or the road transmission is in neutral and the pump is not engaged. A green indicator light shall be installed adjacent to the throttle on the pump panel and shall be labeled "Warning: Do not open throttle unless light is on". The pump shift control in the cab shall be illuminated to meet NFPA requirements.

TRANSMISSION LOCK-UP

The direct gear transmission lock-up for the fire pump operation shall engage automatically when the pump shift control, in the cab, is activated.

AUXILIARY COOLING SYSTEM

A supplementary heat exchange cooling system shall be provided to allow the use of water from the discharge side of the pump for cooling the engine water.

PRESSURE CONTROLLER

An electric pressure governor shall be provided which is capable of automatically maintaining a desired preset discharge pressure in the water pump. When operating in the pressure control mode, the system shall automatically maintain the discharge pressure set by the operator (within the discharge capabilities of the pump and water supply) regardless of flow, within the discharge capacities of the water pump and water supply.

A pressure transducer shall be installed in the water discharge of the pump. The transducer continuously monitors pump pressure sending a signal to the Electronic Control Module (ECM).

The governor can be used in two (2) modes of operation, RPM mode

and pressure modes.

In the RPM mode, the governor can be activated after vehicle parking brake has been set. When in this mode, the governor shall maintain the set engine speed, regardless of engine load (within engine capabilities).

In the pressure mode, the governor system can only operate after the fire pump has been engaged and the vehicle parking brake has been set. When in the pressure mode, the pressure controller monitors the pump pressure and varies engine speed to maintain a precise pump pressure. The pressure controller shall use a quick database for engine control.

A preset feature allows a predetermined pressure or rpm to be set.

A pump cavitation protection feature shall be provided which shall return the engine to idle should the pump cavitate. The throttle shall accommodate use with a gloved hand. A throttle ready light shall be provided adjacent to the throttle control, with a large RPM display visible at a glance.

Check engine, and stop engine indicator lights shall be provided for easy viewing.

Large push buttons shall be provided for menu, mode, preset, and silence selections.

The water tank level indicator shall be incorporated in the pressure governor.

A pump hour meter shall be incorporated in the pressure controller.

The pressure controller shall incorporate monitoring for engine temperature, oil pressure, fuel level alarm, and voltage. Pump monitoring shall include, pump gearcase temperature, error codes, diagnostic data, pump service reminders, and time stamped data logging, to allow for fast accurate trouble shooting. It shall also notify the driver/engineer of any problems with the engine and the apparatus.

If applicable, messages shall be provided in a multi-character display, to lessen abbreviations in the message.

The pressure controller shall include a USB port for easy software upgrades, which can be downloaded through a USB memory stick, eliminating the need for a laptop for software installations. A complete interactive manual shall be provided with the pressure controller.

PRIMING PUMP (IF NOT EQUIPPED WITH AUTOMATIC PRIMER)

A primer shall be provided with push button control on the pump panel. When dry, the pump system shall be capable of taking suction through 20 feet of hard suction hose and discharging water in not more than the time allowed by current NFPA 1901 standard.

A control valve shall be located at the pump operator's panel. This valve shall utilize a switch arrangement so that as the valve is manually opened, a plunger closes the switch and the primer motor is energized.

If applicable, a second priming valve and control shall be plumbed to the front suction piping. The second control shall be located at the pump operator's panel. Primer motor shall be environmentally safe, self lubricating style.

PUMP WARRANTY

A warranty against defects in material and workmanship under normal use and service for a period no less than five (5) years from the date the pump was first placed in service, shall be provided.

PUMP MANUALS

Two (2) pump manuals from the pump manufacturer shall be furnished in electronic storage format for each apparatus. Manuals shall cover pump operation, maintenance, and parts.

PLUMBING

All inlet and outlet plumbing, 3.00" and smaller, shall be plumbed with either stainless steel pipe or synthetic rubber hose reinforced with high-tensile polyester braid. If hose is used it shall have a minimum burst rating of 1,000 psi and be equipped with high pressure couplings. Small diameter secondary plumbing such as drain lines shall be stainless steel, brass, or rubber hose. This shall include the

pump manifold and all front suction piping.

All lines to drain through either a master drain valve or shall be equipped with individual drain valves. All individual drain lines for discharges shall be extended with a hose to drain below the chassis frame.

PUMP PLUMBING WARRANTY

The stainless steel plumbing components and ancillary brass fittings used in the construction of the water/foam plumbing system shall be warrantied for a period of **ten (10) years or greater**. This covers structural failures caused by defective design or workmanship, or perforation caused by corrosion, provided the apparatus is used in a normal and reasonable manner. This warranty is extended only to the original purchaser for a period of ten years from the date of delivery. **A copy of the warranty shall be submitted with the bid.**

MAIN PUMP INLETS

A 6.00" pump inlet shall be provided on driver's side and passenger side of the vehicle. The suction inlets shall include a screen that is designed to provide cathodic protection for the pump, thus reducing corrosion in the pump. The pump inlets shall have National Standard Threads with a long handle chrome cap. The cap shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

A 6.00" to 5.00" Storz adapter shall be provided for the pump inlet.

AUXILIARY INTAKE (Driver's Side)

On the left side pump panel shall be one (1) 2.50" auxiliary suction, terminating in 2.50" National Standard Hose Thread. The auxiliary suction shall be provided with a strainer, chrome swivel and plug.

INTAKE VALVE

Provisions shall be provided for a dealer installed butterfly, gate, or ball type intake valve.

INTAKE CONTROL

Control for the side auxiliary intake(s) shall be located at the inlet valve.

INTAKE RELIEF VALVE

An intake relief valve, preset at 125 psig, shall be installed on the inlet side of the valve.

Relief valve shall have a working range of 75 psig to 250 psig.

The cap shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

TANK TO PUMP

The booster tank shall be connected to the intake side of the pump with heavy duty piping and a quarter turn 3.00" full flow line valve with the control remotely located at the operator's panel. Tank to pump line shall run straight (no elbows) from the pump into the front face of the water tank and angle down into the tank sump. A rubber coupling shall be included in this line to prevent damage from vibration or chassis flexing.

A check valve shall be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.

TANK REFILL

A combination tank refill and pump re-circulation line shall be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

PRECONNECTED HOSE LINES

Two areas, each a minimum of 3.5 ft, to accommodate 1 ¾" or larger preconnected fire hose lines shall be provided.

Crosslay hosebed(s) shall be mounted over the upper pump panel or gauge panel in the upper portion of the pump enclosure.

The crosslay hosebed shall be equipped with a cover.

DISCHARGE OUTLET (Front Bumper Preconnect), (OPTIONAL)

One (1) discharge shall be piped to the front bumper area within a hosewell placed in the center of the extended bumper.

The tray shall have a capacity of 150' of 1.5" double jacket hose. Rubber grating shall be provided at the bottom of the tray. Drain holes shall also be provided.	<hr/> <hr/> <hr/>
Straps shall be provided within the hose tray. The straps shall be used to secure the hose in the tray.	<hr/> <hr/> <hr/>
A hosewell cover, with a securing device(s), shall be provided.	<hr/> <hr/> <hr/>
<u>DISCHARGE OUTLET (Passenger's Side)</u> There shall be a minimum one (1) discharge outlet on the right side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter.	<hr/> <hr/> <hr/>
<u>DISCHARGE OUTLET (Driver's Side)</u> There shall be a minimum two (2) discharge outlets with 2.50" valves on the left side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter.	<hr/> <hr/> <hr/>
<u>DISCHARGE OUTLET (Rear)</u> There shall be one (1) discharge outlet on the rear side of the apparatus, terminating with a male 2.50" National Standard hose thread adapter.	<hr/> <hr/> <hr/>
<u>VALVES WARRANTY</u> Valves shall have a minimum three (3) year warranty.	<hr/> <hr/> <hr/>
<u>HOSEBED</u> The hose bed compartment deck shall be constructed entirely from maintenance-free, extruded aluminum slats. The slats shall be a grid system to prevent the accumulation of water and allow ventilation to assist in drying hose. The apparatus hose bed shall be properly reinforced without projections that might damage the fire hose. The main apparatus hose body shall run the full length of the apparatus body from behind the pump panel area to the rear face of the body.	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<u>HOSE BED STORAGE CAPACITY</u> The hose bed shall be designed to have a storage capacity to meet the minimum NFPA requirements for structural pumpers.	<hr/> <hr/> <hr/>
<u>HOSEBED COVER</u> The apparatus shall be equipped with a NFPA approved hosebed cover.	<hr/> <hr/> <hr/>
<u>DECK GUN (OPTIONAL)</u> A 3" deluge riser shall be installed above the pump. Piping shall be rigidly braced. One (1) 3" deck gun discharge outlet shall be provided above pump compartment. The deck gun discharge shall be provided and located above the pump panel and shall terminate with NST threads and be capped for later use. The discharge shall be plumbed directly from the pump discharge manifold utilizing direct connect discharge valve flanges. A 3.00" deluge riser shall be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping shall be installed securely so no movement develops when the line is charged.	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<u>ELECTRIC REWIND HOSE REEL (OPTIONAL)</u> One aluminum hose reel with leak proof ball bearing swing joint, adjustable friction brake, and electric rewind. Location TBD. The reel shall be plumbed with high-pressure hose and shall be bolted to a mounting system for easy service or removal. A push button hose reel rewind switch shall be installed to control the electric rewind hose reel. One (1) discharge shall be provided and piped from the fire pump to the hose reel. A quarter turn ball valve or similar shall be controlled on pump panel. Three (3) 50' lengths of 1" water hose (150') with adequate working pressure rating shall be provided and mounted on the specified hose reel.	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

One (1) captive type roller assembly shall be provided.

DISCHARGE CAPS

Chrome plated, rocker lug, caps with chains or stainless steel stranded cable, shall be furnished for all side discharge outlets. The cap shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

OUTLET BLEEDERS

A bleeder valve shall be provided for each outlet 1.50" or larger. Automatic drain valves are acceptable. The valves shall be located behind the panel with a swing style handle control extended to the outside of the side pump panel. The handles shall be chrome plated and provide a visual indication of valve position. The swing handle shall provide an ergonomic position for operating the valve without twisting the wrist.

Bleeders shall be located at the bottom of the pump panel. They shall be properly labeled identifying the discharge they are plumbed in to. The water discharged by the bleeders shall be routed below the chassis frame rails.

ELBOWS, LEFT SIDE OUTLET

The 2.50" discharge outlets, located on the left side pump panel, shall be furnished with a 2.50"(F) National Standard hose thread x 2.50"(M) National Standard hose thread, chrome plated, 45 degree elbow. The elbow shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

ELBOWS, RIGHT SIDE OUTLET

The 2.50" discharge outlet, located on the right side pump panel, shall be furnished with a 2.50"(F) National Standard hose thread x 2.50"(M) National Standard hose thread, chrome plated, 45 degree elbow. The elbow shall incorporate a thread design to automatically relieve stored pressure in the line when disconnected.

DISCHARGE OUTLET CONTROLS

The discharge outlets shall incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism shall indicate the position of the valve.

AIR BLOWOUT VALVE

A blowout shall be furnished to blow out any remaining water from the pump or individual discharge lines. Blowout shall be piped from the wet tank of the brake system to the main body of the pump, and shall be controlled at the pump operator's panel.

An additional blowout shall be piped from the air inlet on pump panel to the main body of the pump, and shall be controlled at the pump operator's panel.

An instruction plate shall be located at the operator's panel next to the blowout.

PUMP COMPARTMENT AND MOUNTING

The pump compartment shall be separate from the hosebed and compartments so that each may flex independently of the other. The mounting shall allow chassis frame rails to flex independently without damage to the fire pump.

The pump compartment shall be mounted on the chassis frame rails to allow for chassis frame and twist.

Pump compartment, pump, plumbing and gauge panels shall be removable.

PUMP CONTROL PANELS (Driver's Side)

All pump controls and gauges shall be located at the driver's side of the apparatus and properly identified.

Layout of the pump control panel shall be ergonomically efficient and systematically organized.

The upper section shall contain sub panels for the mounting of the pump pressure control device, engine monitoring gauges, and electrical switches. Sub panels shall be removable from the face of the pump panel for ease of maintenance. Below the sub panels shall be located all valve controls and line pressure gauges.

The lower section of the panel shall contain all inlets, outlets, and drains. All push/pull valve controls shall have 1/4 turn locking control rods with polished chrome plated tee handles.

Guides for the push/pull control rods shall be securely mounted to the pump panel. Push/pull valve controls shall be capable of locking in any position. The control rods shall pull straight out of the panel and shall be equipped with universal joints to eliminate binding.

IDENTIFICATION TAGS

The identification tag for each valve control shall be recessed in the face of the tee handle.

All discharge outlets shall have color coded identification tags, with each discharge having its own unique color. Color coding shall include the labeling of the outlet and the drain for each corresponding discharge.

PUMP PANEL CONFIGURATION

The pump panel configuration shall be arranged and installed in an organized manner that shall provide user-friendly operation.

PUMP PANEL GAUGES AND CONTROLS

The following shall, at a minimum be provided on the pump and gauge panels in a neat and orderly fashion:

An electronic engine monitor or status gauge shall display the engine oil pressure, engine temperature and engine rpm.

A warning alarm shall be provided for these items.

- Thermal Protection Device
- Tachometer: Electric
- Voltmeter

Also provided at the pump panel shall be the following:

- Master Pump Drain Control

GAUGES, VACUUM and PRESSURE

The pump vacuum and pressure gauges shall be liquid (synthetic, silicone, etc.) filled.

Primary gauges shall be a minimum 3" in diameter and shall have white faces with black lettering, with a pressure range of 30-600 psi.

The pump pressure and vacuum gauges shall be installed adjacent to each other at the pump operator's control panel.

Test port connections shall be provided at the pump operator's panel. One shall be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They shall have 0.25 in. standard pipe thread connections and non-corrosive polished stainless steel or brass plugs. They shall be marked with a label.

These gauges shall include a **minimum three (3) year warranty** against leakage, pointer defect, and defective bourdon tube.

PRESSURE GAUGES

The individual "line" pressure gauges for the discharges shall be liquid (synthetic, silicone, etc.) filled. They shall be a minimum of 2.5" in diameter and shall have white faces with black lettering.

Gauges shall have a pressure range of 30"-0-400psig.

The individual pressure gauge shall be installed as close to the outlet control as practical.

The gauges shall include a **minimum three (3) year warranty** against leakage, pointer defect, and defective bourdon tube.

WATER LEVEL GAUGE

An electronic water level gauge shall be provided on the operator's panel that registers water level by means of colored LED lights. The lights shall be durable, ultra-bright LED design viewable through 180 degrees.

The light shall flash when the level drops below the given level indicator to provide an eighth of a tank indication. To further alert the pump operator, the lights shall flash sequentially when the water

tank is empty.

LIGHTING

Illumination shall be provided for controls, switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it.

A green pump engaged indicator shall come on at the operator's panel when the pump is shifted into gear from inside the cab. One pump panel light shall also come on at the operator's panel when the pump is shifted into gear from inside the cab. The remaining lights to be actuated from a switch located on the pump panel.

WATER TANK

Tank shall have a minimum capacity of 500 gallons and be constructed of polypropylene plastic.

Tank shall be baffled in accordance with NFPA 1901 requirements. Baffles shall permit movement of air and water between compartments.

Tank top shall be sufficiently supported to keep it rigid during fast filling conditions.

A sump shall be provided at the bottom of the water tank.

Fill tower shall be furnished with a screen and a hinged cover.

WATER TANK RESTRAINT

A heavy-duty water tank restraint shall be provided.

WATER TANK WARRANTY

The tank shall have a **lifetime** warranty.

If a tank problem renders the truck out-of-service, the tank manufacturer, or representative (successful bidder) shall dispatch a service technician. Service of the tank must commence **WITHIN 10 DAYS**.

LOOSE EQUIPMENT

The following equipment shall be furnished with the completed unit:

- (2ea) 6" NH to 5" STORZ adapters
 - (2ea) 5" STORZ to 4" STORZ reducers
 - (1ea) 4 ½" NH to 5" STORZ Adapter

 - (1ea) 5" STORZ Siamese
 - (1ea) 4 WAY Valve (HUMAT Valve) Refill Hose
(4 ½" NH – 5" STORZ / 2 ½" NH)
-

There shall be a 20' length of 3.00" soft suction hose provided with a 2.50" male coupling on one end and a 2.50" female coupling on the other end.

One (1) 2.50" National Standard hose thread barrel strainer, shall be provided.

PAINT

The cab shall be cab painted red.

The body of the apparatus shall be painted red.

The paint shall be uniform in color and be free of defects or surface imperfections. Finish shall be durable, abrasion and peel resistant and shall be resistant to mold and mildew. Paint and topcoat shall be anti-fade and provide a stain resistant finish.

All removable items such as brackets, compartment doors, door hinges, trim, etc. shall be removed and painted separately to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly shall be finish painted before assembly.

PAINT CHASSIS FRAME ASSEMBLY

The chassis frame assembly shall be painted black before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc. Components that are included with the chassis frame assembly that shall be painted black are frame rails, cross members, axles, suspension, steering gear, fuel tank, body sub-structure supports, miscellaneous mounting brackets, etc.

PAINT AND CORROSION WARRANTY

The cab and body exterior paint finish shall be warrantied against blistering, peeling, corrosion, lack of adhesion or any other manufacturing or material defect for a period of a minimum one (1) year.

The cab and body shall also be warrantied against corrosion perforation for a period of a minimum five (5) years. A copy of the manufacturer's warranty shall be included with the bid.

All non-painted metal surfaces on the exterior of the vehicle shall be sprayed with a corrosion protective coating. A transit coating remover kit shall be supplied to remove the transit coating. The transit coating and the remover shall be biodegradable.

PAINT, COMPARTMENT INTERIOR

Interior of compartments shall be painted with a black or gray spatter type paint or textured equivalent.

REFLECTIVE STRIPES

Reflective stripes shall be provided along the sides of the body (color and pattern TBD at the Pre-Construction Conference).

The reflective band shall continue on the cab face.

CHEVRON STRIPING, REAR

There shall be alternating chevron striping located on the rear-facing vertical surface of the apparatus. The entire rear surface, excluding the rear compartment door, shall be covered. The colors shall be red and fluorescent yellow diamond grade. Each stripe shall be 6.00" in width. This shall meet the requirements of NFPA 1901, 2009 edition, which states that 50% of the rear surface shall be covered with chevron striping.

REFLECTIVE STRIPE, CAB DOORS

A reflective stripe shall be provided across the interior of each cab door. The stripe shall be located on the door panel. This stripe shall meet the NFPA 1901 requirement.

LETTERING

Sixty (60) to seventy (70) reflective white colored lettering, 4.00" high, outlining and shading shall be provided. Lettering and location shall be specified at the pre-construction conference and/or before final painting of the completed apparatus.

The lettering shall be totally encapsulated between two (2) layers of clear fade and stain resistant coatings.

APPARATUS DOOR GRAPHICS

Two (2) custom door graphics featuring the Guam Fire Department logo shall be installed on the apparatus.

LAMINATION WARRANTY

The manufacturer shall provide a three (3) year warranty against defects in material and workmanship with the graphics process. A copy of the fire apparatus manufacturer's warranty shall be included with the bid.

CD MANUAL, FIRE APPARATUS PARTS

Custom parts manuals for the complete fire apparatus shall be provided in hardbook and CD format for each apparatus.

CD MANUAL, CHASSIS SERVICE

A hardbook and CD format chassis service manual containing parts and service information on all major components shall be provided for each apparatus.

CD MANUAL, CHASSIS OPERATION

2 Hardbook and 2 CD format chassis operation manuals shall be provided for each apparatus.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, shall be provided for each apparatus.

5-YEAR EXTENDED SERVICE/MAINTENANCE AGREEMENT

Guam Fire Department Extended Service/Maintenance Agreement STRUCTURAL FIREFIGHTING PUMPER Procurement #GSA-081-22

INTENT

It shall be the intent of this Extended Service/ Maintenance Agreement for the Guam Fire Department and the Contractor to enter into a 5 year service/maintenance warranty agreement in order to maximize the serviceability of these Structural Firefighting Pumpers and minimize the "down time" or "out of service time" so that said fire apparatus will be ready to respond to an emergency when called upon to do so. It is also the intent of this agreement to extend the usable lifespan of these Fire Apparatus to maximize the tax dollars used to purchase said Fire Apparatus.

AGREEMENT PERIOD

- A. This document shall depict the minimum requirements for a five (5) year Extended Service/Maintenance Agreement as required by the Guam Fire Department for vehicles known as Structural Firefighting Pumpers. This Agreement compliments and adds to, where it exceeds, the regular warranties as provided by the specifications of the involved fire apparatus.
- B. This Agreement shall commence on the date that the fire apparatus is placed in service by the Guam Fire Department; only after the award of this contract has been made, and the Agreement is signed by the Governor of Guam, Contractor, and authorized representative of the Guam Fire Department.

STANDARDS OF CARE

- A. This document also defines the minimum requirements for a preventive maintenance program and shall comply with national Fire Protection Association's (NFPA) 1915, Standard for Fire Apparatus Preventive Maintenance Program, 2000 Edition, which has been deemed a part of this agreement.
- B. The service, maintenance, and their intervals, as well as the methods of repairs recommended by the various manufacturers that make up the complete fire apparatus, are hereby deemed as part of this agreement.
- C. This agreement covers all systems and components of the fire apparatus to include, but not limited to: drive train, body, cab, frame, fire pump, electrical systems, lighting, plumbing, hose reels, doors, tires, wheels, etc.

RESPONSIBILITIES

- A. The Contractor shall be responsible for the service, maintenance, and repairs as well as other services explained herein, for this fire apparatus and all their systems, for the contract period. If work cannot be completed by the Contractor and must be sub-contracted to another business, the Contractor must ensure that said business is qualified to do the work required and reimburse the sub-contractor for all expenses incurred. The Contractor is still responsible for all fire apparatus referenced within this Agreement and the maintenance of all warranties in good standing.
- B. During the 5-year period of this contract, the Contractor agrees to conduct the specified services, maintenance, and repairs, which includes, but is not limited to, labor costs and all consumables, apart from apparatus tires. The Contractor will not be responsible for labor costs, parts and repairs that are not covered under the warranty provisions of the new fire apparatus in the specifications of this agreement.
- C. Under no circumstances will the warrantied service, repair and/or maintenance of these fire apparatus be delayed due to any outstanding payments owed to the contractor by the Government of Guam. To delay these services will constitute a breach of this agreement.

- D. The Guam Fire Department, and their personnel, will be responsible for following all recommended procedures for this Agreement and conduct all vehicle inspections, as required, especially the Daily Fire Apparatus Check and Checklist.
- E. Guam Fire Department Vehicle Maintenance personnel, when allowed, shall at all times seek prior approval, from the Contractor, before conducting any type of maintenance or alteration(s) to these Fire Apparatus, no matter how minor.

SERVICE, MAINTENANCE, AND OTHER PROVISIONS

In addition to the above provisions, the following shall also apply:

- A. Prior to placing the vehicle in service, the Contractor shall conduct a pre-service inspection and service.
- B. If there are any deficiencies, defects and/or damages noted at this time, said discrepancies shall be brought up to the attention of GFD and arrangements will be made, with the assistance of the Contractor, to rectify said discrepancies. Since the Contractor is responsible for all warranty items on this fire apparatus, the Contractor shall handle all related issues.
- C. Examples of some of the services to be conducted:
 - a. Replace engine oil and filter(s)
 - b. Inspect and replace fuel filter(s)
 - c. Inspect air cleaner and intake system
 - d. Inspect hoses, belts and belt tensioners and replace or adjust if needed
 - e. Inspect front and rear suspension and steering to include tie rod ends, draglink, king pins, air bags (if equipped) and control valves
 - f. Inspect fire pump for unusual water leaks
 - g. Test Electrical System for proper operation
 - h. Perform scheduled maintenance on generator
- D. The Contractor shall supply a Daily Fire Apparatus checklist that will be utilized by the GFD Fire Apparatus driver/operator, while conducting their daily vehicle check at the beginning of their shift, as per GFD Rules and Regulations. This daily check will also ensure that certain provisional requirement of the warranty can be honored.
- E. The Contractor may elect, from time to time, to provide remedial training on the operation and/or operator daily service checks and maintenance requirements, to GFD personnel, when deemed necessary.
- F. The Contractor shall be responsible for the towing of the apparatus. If the vehicle is on a public roadway, the tow function shall begin to be addressed within one (1) hour upon notification by GFD. The affected vehicle shall be under tow within two (2) hours after notification by GFD. If either of these two provisions is not met, it is deemed that the Contractor has given implied consent for GFD personnel to arrange for the towing. All costs of this towing shall be borne by the Contractor.
- G. Guam Fire Department Vehicle Maintenance personnel shall be allowed to conduct minor vehicle repairs, such as changing of light bulbs, lamps, fuses, etc., if prior approval has been obtained from the Contractor. GFD personnel shall request prior approval from the Contractor; however, if the Contractor does not respond to requests within forty-eight hours, approval will be implied.
- H. Guam Fire Department Vehicle Maintenance personnel shall also be allowed to diagnose vehicle faults, such as, but not limited to, malfunctioning air conditioning or mobile radio system(s), and report same to the Contractor for approval to have the vehicle further diagnosed and/or repaired by a sub-contractor, whenever the Contractor cannot effect or is not certified or qualified to effect said repairs or service. GFD personnel shall request prior approval from the Contractor; however, if the Contractor does not respond to requests within forty-eight hours, approval will be implied.

- I. If the Contractor fails to begin addressing any complaint by GFD regarding the serviceability of any fire apparatus covered under this extended service agreement, within 24 hours after receiving said report by GFD, it shall be construed as unnecessary delay. Whenever an unnecessary delay situation occurs, this shall be deemed as implied consent from the Contractor for GFD to seek service and/or repairs elsewhere to expedite the return of the apparatus into emergency service.
- J. All charges incurred during the unnecessary delay repairs/services will be charged back to the Contractor for payment. Neither GFD nor the Government of Guam will be held liable for these repairs/services and the warranties for said apparatus will not be affected in any way.
- K. All Inspections/services shall be performed on a quarterly basis, at minimum.
- L. All service and repairs shall be performed according to accepted industry standards, good faith practices and agreed upon time frames.
- M. The Contractor shall furnish annual reports to GFD depicting total services, maintenance, and repairs for each Fire Apparatus per annum. These reports shall be based on a calendar year timeframe and will be due to GFD, Office of the Fire Chief, no later than the 15th day of January of the following year. If the apparatus is covered for a partial year under this agreement, then the report will be based on that portion of the calendar year.

CONTRACT EXTENSION CLAUSE

At the end of this contract period, the Guam Fire Department reserves the right to extend this contract for another five (5) year period. Any revisions to this contract shall be addressed at that time prior to entering into another five (5) year term.

FAILURE TO PERFORM CONTRACT

Contractor is responsible for adhering to the Liquidated Damages clause, Termination for Cause clause, and the Termination for Convenience clause, listed in specifications; pursuant to 2 CFR § 200.326.

FIRE APPARATUS IDENTIFICATION NUMBERS

VIN

VIN

BIDDER’S REFERENCES FORM

The Bidder is **required** to provide a minimum of three (3) references where work of a similar size and nature was performed within the past five (5) years. This will enable the Government of Guam and the Guam Fire Department to judge the responsibility, experience, skill, and business standing of the Bidder.

Company Name		Contact Name	
Address			
Phone Number		Fax Number	
Dollar Value of Contract			
Contract Dates			
Requirements of Contract			
Company Name		Contact Name	
Address			
Phone Number		Fax Number	
Dollar Value of Contract			
Contract Dates			
Requirements of Contract			
Company Name		Contact Name	
Address			
Phone Number		Fax Number	
Dollar Value of Contract			
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Company Name		Contact Name	
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Phone Number		Fax Number	
Dollar Value of Contract			
Contract Dates			
Requirements of Contract			
Company Name		Contact Name	
Address			
Phone Number		Fax Number	
Dollar Value of Contract			
Contract Dates			
Requirements of Contract			

NO.	ITEM DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
1.1	STRUCTURAL FIREFIGHTING PUMPERS	2	EA.	\$_____	\$_____

				Per Year	Total
2.1	5-Year Extended Service/Maintenance Agreements	2	EA.	\$_____	\$_____