

PERFORMANCE WORK STATEMENT
for
TRANSPORTABLE CONCRETE PUMP TRUCK

1.0 SCOPE. The Naval Facilities Expeditionary Logistics Center (NFELC) has a requirement for two concrete placing pump trucks, hereinafter referred to as the "pump truck". The pump trucks shall be JP-8 fuel compatible, have concrete output of 210 cubic yards per hour, and equipped with a 100 foot vertical and 86 feet-11 inch horizontal reach.

2.0 APPLICABLE DOCUMENTS.

2.1 General. The documents listed in section 2 are referenced in sections 3 and 4 of this Performance Work Statement (PWS). This section does not include documents referenced in other sections of this specification or within listed documents, or recommended for additional information, or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements cited in sections 3 and 4 of this specification; whether or not they are listed here.

2.2 Specifications, Standards, and Handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein.

2.2.1 Military Documents.

Military Detailed Specification (MIL-DTL)

MIL-DTL-83133H	Turbine Fuel, Aviation, Kerosene Type JP-8 (NATO F-34), NATO F-35 and JP-8+100 (NATO F-37)
MIL-PRF-38807C	Technical Manuals- Illustrated Parts Breakdown

Military Standard (MIL-STD)

MIL-STD-129P	Military Marking for Shipment and Storage
MIL-STD-130N	Identification Marking of U.S. Military Property
MIL-STD-209K	Interface Standard for Lift and Tiedown Provisions
MIL-STD-1179E	Lamps, Reflectors and Associated Signaling Equipment for Military Vehicles
MIL-STD-1366E	Interface Standard for Transportability Criteria
MIL-STD-1474D	Noise Limits
MIL-STD-38784A	Standard Practices for Manuals

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Military Hand Book (MIL-HDBK) (for guidance only)

MIL-HDBK-863	Preparation of Wiring Data and System Schematic Diagrams
MIL-HDBK-1223	Non-tactical Wheeled Vehicles Treatment, Painting, Identification Marking and Data Plate Standards
MIL-HDBK-1791	Designing for Internal Aerial Delivery in Fixed Wing Aircraft
MIL-HDBK-46164	Rustproofing for Military Vehicles and Trailers

Copies of the above Military Documents can be obtained at
<https://assist.daps.dla.mil/quicksearch/>

Naval Facility Publication (NAVFAC P)

NAVFAC P-300	Management of CESE
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Copies of the above NAVFAC documents can be obtained at:
<http://www.nll.navsup.navy.mil>

2.2.2 Federal.

FED-STD-595C	Colors Used in Government Procurement
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Copies of the above FED-STD documents can be obtained at
<https://assist.daps.dla.mil/quicksearch/>

2.2.3 Other Government Documents, Drawing, and Publications. The following other Government documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those in effect at the time of solicitation.

Commercial Item Descriptions (CIDs)

A-A-50271	Identification Plate
A-A-59133B	Cleaning Compound, High Pressure (Steam) Cleaner

Copies of the above CID documents can be obtained at:
<https://assist.daps.dla.mil/quicksearch/>

Code of Federal Regulations (CFR)

CFR Title 29	Labor
Chapter XVII	Occupational Safety and Health Administration

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CFR Title 40	Protection of Environment
Chapter I	Environmental Protection Agency
Part 80	Regulation of Fuel and Fuel Additives
Part 85	Control of Air Pollution from Mobile Sources
Part 89	Controls of Emissions from New and In-Use Nonroad Compression-Ignition Engines
Part 1068	General Compliance Provisions for Nonroad Programs
CFR Title 49	Transportation
Chapter III	Federal Motor Carrier Safety Administration (FMCSR), Department of Transportation
Part 393	Parts and Accessories Necessary for Safe Operation
Chapter V	National Highway Traffic Safety Administration, Department of Transportation
Part 571	Federal Motor Vehicle Safety Standards (FMVSS)

Copies of the above CFR documents can be obtained at:
<http://ecfr.gpoaccess.gov>

California Code of Regulations (CCR)

CCR Title 13	Motor Vehicles - Mobile Sources and Fuels Sections
CCR Title 17	Public Health

Copies of the above CCR documents can be obtained at:
<http://www.arb.ca.gov>

2.2.4 Non-Government Publications. The following documents form a part of this document to the extent specified here. Unless otherwise specified, the issues are those in effect at the time of solicitation.

American Society of Mechanical Engineering (ASME)

ASME-Y14.100-2004	Engineering Drawing Practices
ASME-Y14.24	Drawings Types and Applications of Engineering Drawings
ASME-Y14.34	Associated Lists
ASME-Y14.35M	Revision of Drawings, Engineering, and Associated Documents

Copies of the above ASME documents can be obtained at:
<http://www.asme.org/>

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American Society for Testing and Materials International (ASTM)

ASTM D975 Standard Specification for Diesel Fuel Oils
Copies of the above ASTM documents can be obtained at:
<http://www.astm.org/>

American Welding Society (AWS)

AWS D1.1 Structural Welding Code - Steel.
AWS D1.2 Structural Welding Code - Aluminum.
AWS D1.6 Structural Welding Code - Stainless Steel.
Copies of the above AWS documents can be obtained at:
<http://www.aws.org>

National Fire Protection Association (NFPA)

NFPA 70: NATIONAL ELECTRICAL CODE

Application for copies of the standard should apply to NFPA, 1
Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101, An
International Codes and Standards Organization

Society of Automotive Engineers, Inc. (SAE)

SAE J534 Lubrication Fittings.
SAE J682 Rear Wheel Splash And Stone Throw Protection.
SAE J10 Automotive and Off-Highway Air Brake Reservoir
Performance and Identification Requirements -
Truck and Bus
SAE J1402 Automotive Air Brake Hose and Hose Assemblies
SAE J318 Automotive Air Brake Line Couplers (Gladhands) -
Truck and Bus
SAE J702 Brake and Electrical Connection Locations-Truck-
Tractor and Truck-Trailer
SAE J560 Primary and Auxiliary Seven Conductor Electrical
Connector for Truck-Trailer Jumper Cable SAE
J1292 Automobile, Truck, Truck-Tractor, Trailer,
and Motor Coach Wiring.

Copies of the above SAE documents can be obtained at:
<http://www.sae.org>

2.3 Order of Precedence. In the event of a conflict between the text
of this document and the references cited herein, the text of this
document takes precedence. Nothing in this document, however,
supersedes applicable laws and regulations unless a specific exemption
has been obtained.

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3.0 CHARACTERISTICS.

3.1 General Characteristics. The Contractor shall provide all labor, materials, and services necessary to design, engineer, fabricate, and deliver the equipment identified within this Performance Work Statement (PWS). The truck shall have a truck-mounted pump, JP-8 Fuel Compatible¹, have concrete output of 210 cubic yards per hour, have a 100 foot vertical, and 86 feet-11 inch horizontal reach. All material utilized in the construction of the pump truck shall be new and unused. The pump truck shall have a minimum of a 5 section folding boom with an opening standard hopper cover and optional 180-degree discharge elbow that rotates for convenient attachment of system.

3.2 Carrier. The Contractor shall provide a carrier with a 6x4 truck-type chassis and the mobility and stability required for a pump truck in all aspects of pumping and placing concrete operations.

3.2.1 Carrier Cab. The Contractor's standard commercial cab shall conform to Federal Motor Vehicle Safety Standards and Federal Motor Carrier Safety Regulations with respect to windshield and window glazing, windshield wipers, heater and defroster, operator's controls, two seats and seat belts, and cab doors. Provisions for climate controls (air conditioning and heating) shall be easily adjustable by the operator. Hand holds and steps shall be provided to facilitate access to both sides of the cab.

3.2.2 Carrier Accessories. The Contractor shall provide all carrier accessories required for safe operation in conformance with Department of Transportation (DOT) Motor Carrier Safety Regulations. A fire extinguisher shall be provided and securely mounted in the cab; ABC capacity, minimum 10-pound.

3.2.3 Carrier Diesel Engine. The engine shall be of the diesel type having horsepower, torque, and speed characteristics to meet all pumping/placing performance requirements specified herein. The engine shall be capable of meeting all performance requirements in all environmental conditions, using JP-8 (MIL-DTL-83133F) as the primary fuel. The fuel may have up to 3,000 parts per million of sulfur. Pollution control technologies that are impacted by the sulfur level of JP-8 fuel either in maintenance effort/frequency or life expectancy shall not be used¹. The diesel engine shall be capable of operation in all environmental conditions standard diesel fuels (ASTM D 975). The

¹ In accordance with 40 CFR 85.1708, the Navy will obtain National Security Exemptions from normal emission control requirements for the offer's proposed engines. Upon formal granting of National Security Exemptions for the proposed carrier engines by the EPA's Heavy-Duty and Nonroad Engine Group, and prior to delivery, the engines shall be labeled:

"<Company and engine information>. THIS ENGINE HAS AN EXEMPTION FOR NATIONAL SECURITY UNDER 40 CFR 85.1078."

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diesel engine shall start in all ambient temperatures between 0 degrees and +120 degrees Fahrenheit.

3.2.4 Tires, Rims and Wheels. All tires, rims and wheels shall conform to the recommendations of the Tire and Rim Association applicable to the type of application and load.

3.2.5 Carrier Brake System. The Contractor shall provide a service and parking brakes conforming to all federal requirements of Federal Motor Safety Vehicle Safety Standards and Federal Motor Carrier Safety Regulations. In addition, the parking brake shall be capable of holding the pump truck fully equipped and with maximum payload on a grade of at least 15% when facing in either direction.

3.2.6 Steering. The carrier shall be equipped with hydraulic power steering.

3.2.7 Carrier Lighting and Associated Electrical System. The Contractor shall provide a 12-volt electrical system conforming to Federal Motor Vehicle Safety Standard No. 108.

3.2.8 Power Train Retarder. The Contractor shall provide an Engine Brake engine retarder or equal, compatible with the diesel engine. The system shall have an on-off switch within easy reach of the driver.

3.2.9 Carrier Transmission. A ten (10) speed manual transmission shall be used in the pump truck.

3.2.10 Instruments and Instrument Panel. An instrument panel shall be furnished. Instruments shall be illuminated and shall include at least an engine oil pressure gage, an engine coolant temperature gage, an ammeter or voltmeter, a fuel level gage, and a speedometer that incorporates an odometer. An hour-meter shall be provided and be either instrument panel or engine mounted. A disengage switch shall be provided for Odometer, and Hour-meter for a separate function for the engine.

3.2.11 Carrier Fuel Tank(s). The Contractor shall provide a fuel tank or tanks conforming to Federal Motor Carrier Safety Regulations. Fuel tanks shall be located in a manner, which will not allow spills or overflows to run onto the engine, exhaust, or electrical equipment.

3.2.11.1 The tank shall be mounted in a protected location near the outside frame member and be accessible for refueling without obstruction.

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3.2.11.2 Fuel lines shall be adequately supported and shall be protected against damage. Grommets shall be used where fuel lines pass through frames, bulkheads, or areas where abrasive action could occur. Construction and mounting shall be such that neither vibration nor tightening of mounting devices will cause leaks to develop.

3.2.11.3 The filler cap shall not protrude from the body of the system and fuel type shall be stenciled near fuel cap in letters not less than one-inch letter height.

3.2.11.4 A fuel tank drain petcock valve located at the lowest point shall be furnished.

3.2.11.5 If the tank(s) are located in positions that they may be walked on, they shall be covered with an antiskid type material.

3.2.11.6 The fuel tank shall be capable of sustaining operations, at manufacturer's stated maximum capacity, for a 10 hour normal duty cycle operation without re-filling. The diesel engine shall be compatible of fully operating during the normal duty cycle using standard diesel (DF-2) and JP-8 fuel for the lifecycle of the equipment.

3.2.12 Carrier Storage Batteries. Storage batteries shall be of the lead acid type and shall be housed in accordance with the Federal Motor Carrier Safety Regulations. Batteries shall be mounted so as to provide easy access for servicing.

3.2.13 Carrier Battery charging. Provisions shall be furnished to maintain the battery in the full charged condition.

3.2.14 Power Take-Off Unit. The carrier shall be equipped with a power take-off unit. The take-off unit shall provide reliable power for all hydraulic and air systems on the SV when operated simultaneously.

3.2.15 Concrete Pump. The Contractor shall provide a concrete pump with the following characteristics.

Capacity: minimum 210 cubic yards per hour
Minimum Pressure on Concrete: 825 psi
Pump Cylinder Stroke Length: 83 inch
Maximum Aggregate Size: 2.5 inch
Pipeline Diameter: 5 inch standard, twin-wall
Vertical Reach: 100 foot
Horizontal Reach: 86 feet, 11 inch
Reach Depth: 64 ft
Boom: Folding Type, minimum four sections

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Slewing Range: at least 365°
End hose length: 10 feet
Closed Loop Hydraulic System: 5000 psi
Water Tank: 185 Gallon equipped with 25 foot water wash-down hose

3.2.16 Hopper. The Contractor shall provide a hopper with the following characteristics. The hopper shall include a capacity of a minimum of 19 cubic feet, have hard-faced re-mixer paddles, include a vibrator, have hinged splash guard covers (during transit) and removable modular flatpack.

3.2.17 Outriggers. The Contractor shall provide outriggers with the following characteristics. The outriggers shall be fully hydraulic with integral cylinders, outrigger stability system according to ASME B30.27-2009 and four (4) outrigger pads with side storage compartments.

3.2.18 Pedestal. The Contractor shall provide the following:

Rack and Pinion Slewing system
Fully integrated pedestal design that is part of the truck
Access opening
Single-Suction filter with indicator gauge
Pipe and hose storage
Side mounted tool boxes
Integrated work lights
Breakaway rear steps

3.2.19 Optional Accessories. The Contractor shall provide a spare tire, lug wrench and jack for each pump truck for use as directed by the Original Equipment Manufacturer (OEM). The spare tire, lug wrench and jack shall be mounted in a space dedicated for that item.

3.2.19.1 The Contractor shall provide all markings, controls, indicators, guards in accordance with ASME B30.27-2009 for each pump truck.

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3.3 Military Modifications / Requirements.

3.3.1 Transportability. The pump truck shall be capable of being transported (within the military logistic system) by sea and roadway.

3.3.2 Lift and Tie-down Provisions. The Contractor shall verify lift and tie-down provisions meet the applicable MIL-STD-209K requirements.

3.3.3 Transportation Data Plate. The Contractor shall provide and install an updated, nonferrous, MIL-STD-209K compliant, transportation data plate. The transportation data plate shall conform to A-A-50271 and be mechanically attached near existing transportation plate. Transportation data plate's location shall be approved by authorized Contracting Officer's Representative (COR). The transportation data plate shall meet all the requirements indicated in the MIL-STD-209 which includes, but is not be limited to, an inscribed diagram with the following data.

- a. A silhouette of the equipment showing the center of gravity.
- b. Reflect the equipment's weights and dimensions.
- c. Indicate locations of all lifting and tie-down provisions.
- d. Identify capacity, length, and size of each lifting sling.

3.3.5 Paint. The primer shall be compatible with their applied surfaces and the specified topcoat. The paint shall be applied in accordance with coating systems manufacturer recommended instructions, and utilizing MIL-HDBK-1223 as a guideline; in a manner that protects the entire plant from rust and corrosion.

3.3.5.1 Color. The colors to be utilized for this PWS are identified in FED-STD-595C as standard color chip number 34094 Flat Olive Drab (Seabee) Green and 37030 Flat Black.

3.3.5.2 Top Coat. The top, or finish, coat shall be a lusterless finish (not glossy) matching FED-STD-595C, color chip number 34094, Flat Olive Drab (Seabee) Green. The truck body and wheels top coat color shall match.

3.3.5.3 Dry Film Thickness. The minimum dry film thickness applied will be 6 mils (primer and top coat combined).

3.3.5.4 Painted Surfaces. Painted surfaces shall have a smooth, continuous, adherent film that is free of visual surface imperfections affecting performance or appearance, such as: incomplete coverage, holidays, runs, sags, or blisters.

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3.3.5.5 Components Not Normally Painted. All chrome or shiny components visible from the exterior of the equipment shall be subdued. With the exclusion of glass components, all other components not normally painted (mirror frames, bolts, door handles, etc) shall be subdued to flat black (FED-STD-595C, color chip number 37030 Flat Black), low reflectivity appearance. Treatment shall contain rust inhibiting properties and protect component(s) from corrosion and oxidization.

3.3.5.6 Painting of Non-Metallic Parts. Painting of hoses, clamps, wiring harnesses, tires, and other non-metallic service parts shall not be acceptable.

3.3.5.7 Cleaning. The equipment and all its components shall withstand cleaning with high pressure steam or water jet cleaner, at a distance no closer than 5 feet to any surface, compatible with A-A-59133 without deterioration.

3.3.5.8 Markings. The Contractor shall apply Navy identification USN markings in accordance with NAVFAC P-300.

3.3.6 Technical Manuals. The Contractor shall deliver two copies per truck of Technical Manuals (TM) to the Government. The Contractor shall provide all TMs on CD-ROM; in PDF format and a complete printed set. The TM shall be in accordance with MIL-STD-38784.

3.3.6.1 Labeling. Both the CD disk and the jewel case for all CD-ROM TMs, shall be appropriately labeled with the following information: Nomenclature, Model Number, Adobe Acrobat Version Number, PWS Number, PR #, P:1 Line identifier, and Manufacturer. The appropriate Purchase Order Information document shall be included with each delivery.

3.3.6.2 TM Set. The Contractor shall provide the following as part of the TM set:

3.3.6.3 Parts Manual. The Parts Manual shall contain an Illustrated Parts Breakdown which includes "exploded" views of the major component assemblies in order to identify parts for procurement. The exploded view shall be in accordance with MIL-PRF-38807C.

3.3.6.4 Operators Manual. The Operators Manual shall contain the information necessary for the equipment or vehicle operators to safely operate equipment.

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3.3.6.5 Service / Maintenance Manual. The Service/Maintenance Manual shall display the complete assembly breakdown of major components of the new equipment (i.e. engine, brakes, pump, etc.). The Contractor shall provide electrical diagrams using the guidelines in MIL-HDBK-863.

3.3.7 Supportability.

3.3.7.1 As part of each equipment deliverable, the Contractor, at no additional cost to the Government, shall provide a spare parts package for a 30, 60, and 90 day sustainment. The package shall include any and all recommended items that replaced during the stated interval. Each of the 30, 60, and 90 day sustainment parts shall be individually packaged for the level of support.

3.3.7.2 The package shall include a detail listing of all part numbers on the equipment (build sheet, line setting ticket). The spare parts shall include an OEM cross listing section.

3.3.7.3 The Contractor shall provide a recommended tools support package with National Stock Numbers (NSNs) to include diagnostic tools.

3.3.7.4 The Contractor shall provide access to repair parts, via normal Government procurement process, for a minimum of five years from the date the equipment is accepted by the Government.

3.3.7.5 The Contractor shall offer global parts support service, 96 hours (objective).

4.0 ACCEPTANCE REQUIREMENTS.

4.1 Acceptance Inspection. An acceptance inspection and acceptance shall be required to validate vehicle meets requirements of this performance work statement.

4.2 Validation of military modifications. The Contractor's shall demonstrate the equipment meets the military requirements of this PWS; including, but not limited to, the following:

4.2.1 JP-8 Compatibility

4.2.2 Transportability

4.2.3 Full System Operations for the carrier and Concrete Pump.

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5.0 WARRANTY. Applicable to any system, sub-system, or component delivered under this PWS.

5.1 The Contractor shall provide a warranty that complies with statutes of this section, yet is not less than the typical warranty provided by the Contractor.

5.1.1 The warranty period shall be no less than 12 months/2,000 hours from the date of acceptance by the Government against defects in materials and workmanship.

5.1.2 The warranty shall be one that is redeemable within the 48 contiguous United States. This shall be inclusive to include travel, shipping, labor costs, and repair or replacement parts.

5.1.3 For warranty claims discovered outside the 48 contiguous United States, the Contractor shall be responsible for expediting, at no cost to the Government, repair and/or replacement parts.

5.1.4 All installed components, including assemblies and subassemblies, shall be included in the Contractor's warranty.

5.1.5 The Contractor shall be the single point of contact for the warranty of all products and services furnished.

5.1.6 The warranty shall be comprehensive. No deductibles shall be allowed for travel time, service hours, repair parts cost, etc.

5.1.7 The Contractor shall be solely responsible for all related warranty costs; to included transportation and shipping.

5.1.8 Marking of all components shipped shall comply with MIL-STD-129P for shipment and storage.

5.2 TRAINING. The Contractor shall provide, as part of this PWS and at no additional costs to the Government, two independent New Equipment Training (NET) sessions to include: setup, operation, and maintenance. NET sessions shall be held at Naval Base Ventura County, Port Hueneme, California and Naval Construction Battalion Center, Gulfport, Mississippi.

5.2.1 Specific training dates and daily training times shall be coordinated prior to the delivery of the first pump truck. However, the first NET session shall be conducted no later than 60 days after acceptance of the first complete pump truck by the Government.

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5.2.2 Subsequent training dates and daily training times shall be coordinated prior to the delivery of the first pump truck. However, the second NET session shall be conducted no later than 365 days after completion of the first NET session.

5.2.3 Each NET session shall last for a duration of five normal work days, each eight hours per day.

5.2.4 There shall be up to twelve Government students per session. On the first day of the training, the Contractor shall provide any and all training materials required to the students attending that session.

5.2.5 The Government shall receive training course materials no later than 14 days prior to start of training sessions. Training course materials shall consist of lesson plans/agenda, student guides, and instructional media (e.g., videos, PowerPoint presentation).

5.2.6 For each training session one (1) copy of all developed training materials shall be delivered on digital media (e.g., CD-ROM, DVD). The Government shall be granted permission to reproduce copies as needed.

5.2.7 Content. Training shall provide students with the knowledge and understanding of the equipment's capabilities and limitations, safety practices, initial set-up, operations, packaging for shipment, preventive and corrective maintenance requirements for the entire pump truck. As part of the training session, students shall set-up the pump truck (from a packed out state to a fully operational state), conduct normal pump truck operations (actually place concrete), and preparing equipment for shipment.

5.2.8 Government Furnished Training Material. The government will furnish all raw mineral materials required for training sessions.

5.3 REPORTING REQUIREMENTS.

5.3.1 Initial Schedule / Milestone Report. The Contractor shall provide a schedule and milestones report within five calendar days after receiving award. The schedule and milestones report shall comply with Section 5.3.2 of this document.

5.3.2 Weekly Status and Schedule / Milestone Reports. The Contractor shall provide a status update report and an updated Schedule and Milestones report, on the first work day of each week following the Contractor receipt of award. The weekly status update reports and updated Schedule and Milestones reports shall comply with Sections 5.3.3 and 5.3.4 of this document, respectively.

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5.3.3 Status and Schedule / Milestone Reports.

5.3.3.1 Status Update Report. The Contractor shall provide weekly status reports via e-mail. The status reports shall include all vehicles cover by this contract. All documentation provided shall be unclassified in nature. The status reports shall include the following information:

5.3.3.2 A narrative write-up indicating status of progress in percent complete, potential delays (if applicable), and an overview of the work that is in progress and what was completed during the reporting period. The narrative shall be compatible with "2007 Microsoft Office" products or Adobe Acrobat Reader 10 (PDF).

5.3.3.3 A photographic summary supporting reported progress shall accompany narrative; as a visual reference of stated progress. The photographs shall illustrate physical progress identified in the narrative write-up.

5.3.4 Schedule and Milestone Report. The schedule and milestones update reports shall be compatible with "Microsoft Project 2007" (Gantt Chart), keyed by a linear milestone chart which shall, at a minimum, depict all major categories of effort. The Gantt chart shall illustrate the start and finish dates of the terminal elements and summary elements of the project. Terminal elements and summary elements comprise the work breakdown structure of the project. The Gantt charts shall show dependency (i.e., precedence network) relationships between activities. Acceptance of schedule and milestone updates by the Government does not constitute an extension to the period of performance.

5.3.5 Design Reviews.

5.3.5.1 Preliminary Design Review.

5.3.5.1.1 A joint review between the Government and the Contractor is required at the beginning of the design process. This Preliminary Design Review shall be held at the Contractor's facility. The Contractor shall provide a printed copy of the Initial Design Package to the Government. The Preliminary Design Review Package shall be delivered to the Government no later than seven calendar days prior to the review.

5.3.5.1.2 The Preliminary Design Review shall, at a minimum, include sufficient details that demonstrate compliance to PWS requirements.

5.3.5.1.3 The Preliminary Design Review Package shall include the following items for the complete pump truck:

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- equipment's capabilities and limitations,
- safety practices,
- initial set-up,
- operations,
- packaging for shipment,
- preventive and corrective maintenance

5.3.5.1.4 Developmental design drawings; to include mechanical layout identifying component positioning, conveyer layout and exterior views to include dimensional data. All drawings shall be in accordance with American Society of Mechanical Engineering (ASME) Y14.24, Y14.34, Y14.35M, and Y14.100-2004.

5.3.5.1.5 Preliminary Verification Test Plan; to include planned methods which verify PWS requirements (see Section 4.0 of this document).

5.3.5.2 Critical Design Review.

5.3.5.2.1 A joint review between the Government and the Contractor is required at the completion of the design process. This Critical Design Review shall be held at the Contractor's facility. The Contractor shall provide a printed copy of the Finalized Design Package to the Government. The Critical Design Review Package shall be delivered to the Government no later than seven calendar days prior to the review.

5.3.5.2.2 The Critical Design Review shall, at a minimum, include sufficient details that demonstrate compliance to PWS requirements. The Critical Design Review Package shall include the following items:

5.3.5.2.3 Engineering drawings; to include mechanical layout identifying component positioning, to include dimensional data.

5.3.5.2.4 Preliminary Technical Manuals (see Section 3.3.6 of this document).

5.3.5.2.5 Finalized Verification Test Plan; to include a planned method which verifies PWS requirements (see Section 4.0 of this document).

5.4 Teleconference. In the event the Government has questions concerning the submitted weekly update; the Contractor shall participate in a teleconference within two normal working days after the Government's request.

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5.4.1 Teleconference Time. Teleconferences would be held during normal working hours.

5.4.2 Normal Working Hours. Normal working hours shall be considered 0800 to 1600, Monday through Friday, except on Federal Holidays.

5.4.2.1 Normal working hours is based on the time zone of the Contractor's facility where work is being performed.

5.5 Site Inspection and Visits. For the duration of this contract, the Government reserves the right to conduct site visits. Site visits shall be conducted during normal working hours at the Contractor's place of work. The purpose of site visits is to verify progress and compliance. During the site visits; Government representatives shall be granted access by the Contractor to items covered by this contract. The Contractor shall also provide any test documentation, reports, and access to all facilities necessary to verify the equipment meets the requirements of the contract.

6.0 SHIPMENT AND DELIVERY.

6.1 Shipment. The Contractor shall be responsible for all shipping and shipping related costs; to include any labor and weight handling equipment. The Contractor shall transport the complete concrete pump truck to the destination listed in Table I; as identified by the Contracting Officer. If the equipment fails to meet standards set within this PWS, it shall be shipped back to Contractor at the Contractor's expense. The Government's ship to addresses is as follows:

TABLE I - Destinations
Receiving Officer Naval Base Ventura County / Bldg. 801 Port Hueneme, CA 93043-4301 Attn: Mr. Manny Gomez Phone: (805) 982-5246 Alt: Mr. Chris Bisbee Phone: (805) 982-3161
TABLE II - Destinations
Receiving Officer Naval Construction Battalion Center 2307 Upper Nixon Road, WHSE 320 Gulfport, MS 39501-5001 Attn: Mr. Pat Reid Phone: (228) 323-2090

(end of sources sought PWS).