



## REQUEST FOR QUOTATION RFQ #FT071322

### South Carolina Ports Authority

200 Ports Authority Drive  
Mount Pleasant, SC 29466  
Phone 843-843-7052

Request for Quote ID

**FT071322**

Date

**07/13/2022**

Buyer

**Robert J. Mitchell Jr.**

Closing Date & Time for Quotations: **07/29/2022 at 3:00 PM EST**

**Ship To:**

See Information Below

Line	Item	Description	Quantity	UOM
1	New 5,000 LB Forklift Truck, w/ solid pneumatic tires & 4' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	1	Each
2	New 5,000 LB Forklift Truck, w/ solid pneumatic tires & 5' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	2	Each
3	New 10,000 LB Forklift Truck, w/ solid pneumatic tires & 6' forks	North Charleston Terminal 1000 Remount Road North Charleston, South Carolina 29406	1	Each
4	New 12,000 LB Forklift Truck, w/ solid pneumatic tires & 4' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	2	Each
5	New 12,000 LB Forklift Truck, w/ cushion tires & 4' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	2	Each
6	New 15,500 LB Forklift Truck, w/ solid pneumatic tires & 5' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	1	Each
7	New 15,500 LB Forklift Truck, w/ solid pneumatic tires & 6' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	1	Each



**REQUEST FOR QUOTATION (continued)**  
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**Ship To:**

See Information Below

Line	Item	Description	Quantity	UOM
8	New 15,500 LB Forklift Truck, w/ cushion tires & 5' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	2	Each
9	New 36,000 LB Forklift Truck / Non-Chassis Rotator w/ solid pneumatic tires & 8' forks	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	1	Each
10	New 36,000 LB Forklift Truck / Non-Chassis Rotator w/ solid pneumatic tires & 8' forks	North Charleston Terminal 1000 Remount Road North Charleston, South Carolina 29406	1	Each
11	New 36,000 LB Forklift Truck / Chassis Rotator w/ solid pneumatic tires & 8' forks	Wando Welch Terminal 400 Long Point Road Mount Pleasant, South Carolina 29464	1	Each
12	New Paper Roll Clamp	Columbus Street Terminal 30 Johnson Street Charleston, South Carolina 29403	1	Each



**REQUEST FOR QUOTATION (continued)**  
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Vendor's Quotation shall meet the Minimum Design Requirements for the appropriate Forklift Truck size. Minimum Design Requirements are included with this RFQ.

Vendor's Quotation shall include the following information for our review:

1. Design Features
2. Complete Technical Specifications
3. Detailed Standard and Optional Equipment offerings with specific pricing
4. Spare Parts and Service Availability information
5. Warranty Information

Vendor's Quotation shall include all freight delivered, set up, serviced, and any related expenses necessary to provide Forklift Trucks and Attachments in ready-to-work condition.

Vendor's Quotation shall be considered "Non-Responsive" if delivery information is not provided.

Vendor's price information shall remain "Firm-Fixed" for a period of 60-days from the closing date.

This purchase is exempt from SC sales taxes. A copy of the SCPA's Exemption Certificate will be provided upon ordering.

Vendor shall submit Questions via email to Bob Mitchell at: [bmitchell@scspa.com](mailto:bmitchell@scspa.com), and Corey Frierson at: [cfrierson@scspa.com](mailto:cfrierson@scspa.com)

Vendor shall submit Quotations via email to Bob Mitchell at: [bmitchell@scspa.com](mailto:bmitchell@scspa.com)

Vendor shall submit Quotation by the closing date and time listed above.

Anticipated Award Date: August 2022

This Solicitation does not commit the SCPA to award a contract, to pay for any costs incurred in the preparation of Quotation submitted, or to procure or contract for the articles or services. The SCPA reserves the right to accept or reject any, all or part of offers received as a result of this Solicitation or to cancel in part or its entirety this Request for Quotations if it is in the best interest of the SCPA.

**This is NOT AN ORDER**

All returned quotes and related documents must be identified with our Request for Quote ID Number listed above.

**Authorized Signature**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **5,000 LB. CAPACITY FORKLIFT TRUCK WITH**

### **TIRES BEING SOLID PNEUMATIC**

### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 5,000 pounds with 24" load center.

**CARRIAGE:** To include Side Shift and Fork Positioning. Hang on carriage unit preferred. Not integrated to carriage. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 173", lowered mast height not more than 86". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair. Electronic controls VS Manual Lever controls maybe requested.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 4', 5', or 6' forks. (We will specify what length being requested depending on quantity being purchased) Data plates for all three fork sizes are requested, no matter the size forks purchased with the forklift.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments like a bale clamp. Finger/e-controls are preferred. If finger/e-controls are equipped access to the speed or rate of how the hydraulic function operates will be required. Please quote finger controls.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Solid pneumatics.

**BRAKES:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** **Two copies/One PDF or CD & One hard copy:** operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems.** An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustment's and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would or could be provided at an additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing.
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks.**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **10,000 LB. CAPACITY FORKLIFT TRUCK**

#### **TIRES BEING SOLID PNEUMATIC**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 10,000 pounds with 24" load center.

**CARRIAGE:** To include Side Shift and Fork Positioning. Hang on carriage unit preferred. Not integrated to carriage. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 173", lowered mast height not more than 90". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 6' forks. Data plates for three fork sizes are requested, no matter the size forks purchased with the forklift. Please include placards for 4', 5', and 6' foot forks.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments. Lever controls are preferred.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled, Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Standard Solid Pneumatic Tire

**BRAKES:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** Two copies/One PDF or CD & One hard copy: operator's instruction manual, service/repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder.

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems**. An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustments and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.



**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks.**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **12,000 LB. CAPACITY FORKLIFT TRUCK**

#### **TIRES BEING CUSHION**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 12,000 pounds with 24" load center.

**CARRIAGE:** To include class IV Carriage to accept a hang on paper roll attachment. Include Side Shift and Fork Positioning. Hang on carriage unit preferred. Not integrated to carriage. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 160", lowered mast height not more than 85". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth. Lift truck will need to be capable of accessing a Standard container, Low Cube, and High Cube container. This lift truck will be used to unload and load paper rolls from rail cars and various size containers.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 4', 5', or 6' forks. (We will specify what length being requested depending on quantity being purchased) Data plates for all three fork sizes are requested, no matter the size forks purchased with the forklift.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments like a paper clamp or bale clamp. Hydraulic System should be sized to handle harsh operating conditions to avoid overheating. Please add to the RFQ additional hydraulic cooling options if available. Finger/e-controls are preferred. If finger/e-controls are equipped access to the speed or rate of how the hydraulic function operates will be required. Please quote finger controls.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions. This unit will be used for paper roll projects and additional cooling features may be required. Additional louvers in hood for air flow preferred. Auto fan reversal for removing debris from radiator preferred. Please quote as an option.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled, Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Standard Black Cushion Tire. (Standard Paper Roll Spec)

**BRAKES:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** Two copies/One PDF or CD & One hard copy: operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder.

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems.** An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustments and

troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a "standard option" to an "upgraded option", list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as "Standard" equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks.**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **12,000 LB. CAPACITY FORKLIFT TRUCK**

#### **TIRES BEING SOLID PNEUMATIC**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 12,000 pounds with 24" load center.

**CARRIAGE:** To include Side Shift and Fork Positioning. Hang on carriage unit preferred. Not integrated to carriage. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 160", lowered mast height not more than 85". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth. Lift truck will need to be capable of accessing a Standard container, Low Cube, and High Cube container. This lift truck will be used to unload and load paper rolls from rail cars and various size containers.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 4', 5', or 6' forks. (We will specify what length being requested depending on quantity being purchased) Data plates for all three fork sizes are requested, no matter the size forks purchased with the forklift.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments like a paper clamp or bale clamp. Hydraulic System should be sized to handle harsh operating conditions to avoid overheating. Please add to the RFQ additional hydraulic cooling options if available. Finger/e-controls are preferred. If finger/e-controls are equipped access to the speed or rate of how the hydraulic function operates will be required. Please quote finger controls.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions. This unit will be used for paper roll projects and additional cooling features may be required. Additional louvers in hood for air flow preferred. Auto fan reversal for removing debris from radiator preferred. Please quote as an option.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled, Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Standard Solid Pneumatic Tire

**BRAKES:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** Two copies/One PDF or CD & One hard copy: operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder.

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troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
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**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a "standard option" to an "upgraded option", list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
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## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **15,500 LB. CAPACITY FORKLIFT TRUCK**

#### **TIRES BEING CUSHION**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 15,500 pounds with 24" load center.

**CARRIAGE:** To include class IV Carriage to accept a hang on paper roll attachment. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 145", lowered mast height not more than 88". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth. Lift truck will need to be capable of accessing a Standard container, Low Cube, and High Cube container. This lift truck will be used to unload and load paper rolls from rail cars and various size containers.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 4', 5', or 6' forks. (We will specify what length being requested depending on quantity being purchased) Data plates for all three fork sizes are requested, no matter the size forks purchased with the forklift.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments like a paper clamp or bale clamp. Hydraulic System should be sized to handle harsh operating conditions to avoid overheating. Please add to the RFQ additional hydraulic cooling options if available. Finger/e-controls are preferred. If finger/e-controls are equipped access to the speed or rate of how the hydraulic function operates will be required. Please quote finger controls.



**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions. This unit will be used for paper roll projects and additional cooling features may be required. Additional louvers in hood for air flow preferred. Auto fan reversal for removing debris from radiator preferred. Please quote as an option.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled, Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Standard Black Cushion Tire. (Standard Paper Roll Spec)

**Brakes:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** Two copies/One PDF or CD & One hard copy: operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder.

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems.** An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustments and

troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a "standard option" to an "upgraded option", list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as "Standard" equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks.**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **15,500 LB. CAPACITY FORKLIFT TRUCK**

#### **TIRES BEING SOLID PNEUMATIC**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 15,500 pounds with 24" load center.

**CARRIAGE:** To include Side Shift and Fork Positioning. Hang on carriage unit preferred. Not integrated to carriage. Hydraulic Attachment Extension tubes on the carriage are preferred. Plumbed for two functions. Extension tubes are preferred to be steel tubing.

**MAST:** Max lift height not less than 162", lowered mast height not more than 100". Three Stage Mast. Should maximize operator visibility. Equipped with a load Hydraulic Accumulator/Hydra-Smooth. Lift truck will need to be capable of accessing a Standard container, Low Cube, and High Cube container. This lift truck will be used to unload and load paper rolls from rail cars and various size containers.

**OPERATORS COMPARTMENT:** This unit is to be equipped with a Monotrol for forward and reverse. All function controls to be ergonomically designed, seat **with suspension**, all adjustable to fit any size operator. Seat should NOT be cloth. The lift truck should have ease of access to the engine and transmission components for routine maintenance and repair.

**FORKS:** The truck shall be equipped with heavy-duty standard taper 4', 5', or 6' forks. (We will specify what length being requested depending on quantity being purchased) Data plates for all three fork sizes are requested, no matter the size forks purchased with the forklift.

**HYDRAULICS:** Tilting, hoisting, side shift, and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for carriage mounted attachments like a paper clamp or bale clamp. Hydraulic System should be sized to handle harsh operating conditions to avoid overheating. Please add to the RFQ additional hydraulic cooling options if available. Finger/e-controls are preferred. If finger/e-controls are equipped access to the speed or rate of how the hydraulic function operates will be required. Please quote finger controls.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions. Additional louvers in hood for air flow preferred. Auto fan reversal for removing debris from radiator preferred. Please quote as an option.

**TRANSMISSION:** Transmission should be electronically or computer-controlled, to include neutral safety protection. Operator controlled inching for precise position control. If Lift Truck is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes. Preferred Transmission options would be to have controlled direction modulation through the trans controller. For protection to all drive line components during directional changes. If trans is computer-controlled, Preference would be for direction control or shift modulation to be adjustable through the trans controller.

**TIRES:** Standard Solid Pneumatic Tire. Dual drive configuration is acceptable.

**BRAKES:** Service brakes - hydraulic oil cooled wet disc are preferred. Standard Hydraulic Drum brakes are acceptable. Service brakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. Single Pedal for Brakes and Inching is preferred.

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** Two copies/One PDF or CD & One hard copy: operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder.

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems**. An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustments and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate

if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Name plates will need to be provided by the lift truck manufacture for fork blades and attachments purchased to be utilized by this lift truck. Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks or other lift truck mounted attachments.**



## SOUTH CAROLINA STATE PORTS AUTHORITY

### 36,000 LB. CAPACITY FORKLIFT TRUCK / NON-CHASSIS ROTATOR

#### TIRES BEING SOLID PNEUMATIC

#### MINIMUM DESIGN PARAMETERS

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 36,000 pounds with 48" load center.

**CARRIAGE:** To include dual function side shift and fork positioner. Side load rollers preferred on carriage, instead of wear pucks.

**MAST:** Max lift height not less than 157", lowered mast height not more than 160". 2Stage **This unit will not be utilized for chassis rotator use.** Mast Channels should maximize operator visibility. Constructed with side load rollers is Preferred. Hose group over mast, capable of supplying necessary hydraulics for fork mounted attachment.

**OPERATORS COMPARTMENT:** Climate controlled (**with high performance air conditioning**). All function controls to be ergonomically designed, adjustable arm rest, and swivel operators' **seat with full suspension**, all adjustable to fit any size operator. Cab must be designed to tilt for service access. Window vent shades are preferred to reduce cab heat.

**FORKS:** The truck shall be equipped with heavy-duty 8' standard tapered forks. Preferred forks are hook type hang on. Should have an option for "full tapered chamfer forks"

**HYDRAULICS:** Tilting, hoisting, side shift, fork positioning and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for fork mounted attachment.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Shall be elect controlled power shift type, to include neutral safety protection. Including controlled modulation for directional reversal to protect drive line components. Operator controlled inching for precise position control. Include oil cooler and easy access to filters. If Lift is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes.

**TIRES:** Solid pneumatics.

**BRAKES:** Service brakes are preferred to be hydraulic oil cooled wet disc. Service bakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. If brake cooling is achieved via the hydraulic system a low-pressure filter on the brake return circuit is preferred. Include two brake pedals (**left pedal brakes and inching, right pedal brakes only**).

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** **Two copies/One PDF or CD & One hard copy:** operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems**. An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustment's and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would or could be provided at an additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Name plates will need to be provided by the lift truck manufacture for fork blades and attachments purchased to be utilized by this lift truck. Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks or other lift truck mounted attachments.**





## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **36,000 LB. CAPACITY FORKLIFT TRUCK / CHASSIS ROTATOR**

#### **TIRES BEING SOLID PNEUMATIC**

#### **MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 36,000 pounds with 48" load center.

**CARRIAGE:** To include dual function side shift and fork positioner. Side load rollers preferred on carriage, instead of wear pucks.

**MAST:** Max fork height not less than 157", lowered mast height not more than 180". **THIS UNIT WILL BE UTILIZED AS A CHASSIS ROTATOR.** Mast Channels should maximize operator visibility. Constructed with side load rollers is Preferred. Hose group over mast, capable of supplying necessary hydraulics for fork mounted chassis rotator attachment.

**OPERATORS COMPARTMENT:** Climate controlled (**with high performance air conditioning**). All function controls to be ergonomically designed, adjustable arm rest, and swivel operators' **seat with full suspension**, all adjustable to fit any size operator. Cab must be designed to tilt for service access. Window vent shades are preferred to reduce cab heat.

**FORKS:** The truck shall be equipped with heavy-duty 8' standard tapered forks. Preferred forks are hook type hang on. Should have an option for "full tapered chamfer forks"

**HYDRAULICS:** Tilting, hoisting, side shift, fork positioning and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. Additional or external cooler preferred for hydraulic cooling. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for fork mounted chassis rotator attachment. Hydraulics for Clamping and Rotating is required for the chassis rotator.

**ENGINE:** The engine must be LP powered. Certified to meet the latest EPA emissions and fuel economy requirements. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Shall be elect controlled power shift type, to include neutral safety protection. Including controlled modulation for directional reversal to protect drive line components. Operator controlled inching for precise position control. Include oil cooler and easy access to filters. If Lift is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes.

**TIRES:** Solid pneumatics.

**BRAKES:** Service brakes hydraulic oil cooled wet disc. Service bakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. If brake cooling is achieved via the hydraulic system a low-pressure filter on the brake return circuit is preferred. Include two brake pedals (**left pedal brakes and inching, right pedal brakes only**).

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** **Two copies/One digital or CD/ One hard copy:** operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery.

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems**. An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustment's and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would or could be provided at an additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Name plates will need to be provided by the lift truck manufacture for fork blades and attachments purchased to be utilized by this lift truck. Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks or Greenfield Engineering HCR-4 Chassis Rotator.**



## **SOUTH CAROLINA STATE PORTS AUTHORITY**

### **PAPER ROLL CLAMP**

#### **REQUESTED MINIMUM DESIGN PARAMETERS**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The Paper Roll clamp shall be rated at 7,200-7,700 pounds @ 30".

**CARRIAGE:** Paper roll clamp should fit any class IV carriage. Should be easy to install and remove from the carriage with no modification to the carriage or paper roll attachment.

**PAPER ROLL CLAMP:** Should be designed with durability and extreme use in mind. Paper clamp will be required to rotate in 360°. Short Arm positioning is required for small roll handling. All Arms movable in any position required. Solid Arms for the Short and Long arm are required. Clamp pads should be designed to reduce knifing. Some type of Clamp pad Alignment preferred. Clamp will be used in loading and unloading of rail cars, containers, and trailers.

**COLOR:** White Heavy-Duty Paint is preferred.

**WARRANTY:** Provide details on warranty.

**LITERATURE:** **Two copies/One PDF or CD & One hard copy:** operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about: An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Periodic Service (3) Adjustments and Troubleshooting information. (4) Mechanic's training to be on or near the Authority premises Indicate if any of above requested service/maintenance information would cost or could cost additional. Please provide the additional cost.

**ALSO INCLUDE:**

- **Lead times and expected delivery date / continuous updates on any delivery delays**
- **List any additional safety options and pricing.**

**GENERAL:** Nameplate should be provided for Paper Clamp and Lift Truck. Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable.